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LITO 0000 and 10000000	~~ 1

	Contents	7
	Activation Server - Error Codes	
	Other Errors	228
Index		229



## **1.1** About the Activation Sever

The Activation Server 4 is the central point for administration of licenses - create keys, lock licenses, change activations or generate reports.

**Print this tutorial** 

The Online Tutorial is also available as a PDF document.

You can print this tutorial - click on the link to download PDF file

🥯 recently added

- Dashboard 31 (4/2014)
- <u>Deactivate one single computer</u> 54 (4/2014)
- Computer usage report 55 (4/2014)
- Product configuration for MAC OS X [97] (3/2014)
- Shop Integration with Cleverbridge [93] (5/2013)
- <u>Abusive Usage Flag</u> [47] (5/2013)

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Activation Server 4 Version: 4.2

This document was updated: 9/23/2015

## **1.2** Administration Interface

The Activation Server 4 comes with a browser based Administration interface. You can monitor each activation, allow a reactivation of a product or detect fraudulent usage of Activation Keys. It also covers administration task like creation of Serial Numbers or manual product activation.

Have a look at the administration interface on the demo Activation Server.

The user name is *demo-en*, the password is *protector*. To get a German user interface, use user name: *demo-de* and password: *protector*.

We tested the application with the latest version of:

- Chrome
- Firefox
- Internet Explorer (recommended)
- Safari

## **1.3 Test the Activation Server**

You can make a complete activation test using the demo Activation Server 4. As the activation server needs project definitions uploaded, you can test only with the EasyGo project.

## **Project Settings**

Use the demo-easygo.xml project template from the folder ..\EasyGo and do not change

- ReadKey, WriteKey, ProjectSecureKey
- Projectname
- WebServiceURL- must be <a href="http://registerserver.net/lptest/lpweb/lpws.asmx">http://registerserver.net/lptest/lpweb/lpws.asmx</a>

## **Administration Interface**

Invoke the Administration Interface with the link <u>https://www.registerserver.net/lptest/</u> <u>lpweb/</u>

The user name is *demo-en*, the password is *protector*. To get a German user interface, use user name: *demo-de* and password: *protector*.

## **EasyGo Settings**

To use online activation, set the parameter RegisterOnline in the command SetRegisterSettings to true.

Now create a Serial Number and start your application using PrepareAndCheck.

## 1.4 Hosting of the Activation Server

Mirage provides the Activation Server 4 as a hosting service. That allows you to start without worrying to run an own server, apply updates or firewall issues.

You pay per number of activations. For details including used hardware and pricing see <u>hosting service</u> on our website.

## 1.5 Free Basic Hosting

A free basic hosting is available for all customers with a valid update subscription.

Customers, who only have a few deliveries per month, don't need a paid online activation but they can benefit from a professional license and address administration. The free basic hosting includes:

- Create single keys or key lists
- Manual product activation by e-mail, fax and phone
- Managing addresses of customers and resellers
- Reports about activations, locked licenses, license usage on multiple PCs
- One administration user
- No setup fee

Contact <u>sales@mirage-systems.de</u> to get a free basic hosting.

## Limitations

The Basic Hosting package offers nearly the full functionality of the paid package. Limitations are:

- Online activation or license transfer is not possible
- Only one administration user is possible

## 1.6 Software Update

The latest main release number is 4.2.2.3

The installed release number is displayed in the login screen in the bottom right corner.

	Activation Server 4	Administration Control Center
miage	ADMINISTRATION LOGIN:	
Activation Activation	Username	
IN CONTRACT	Password	
	Forgot your password?	
M	>> Login	

Release Number

- Update from version 4.0 or 4.1 to version 4.2
- Modification History version 4.1 14
- Update from version 3.0 to version 4.0 17

## 1.6.1 Update Version 4 to 4.2

**Modification history version 4.2** 

■ For a complete list of all modifications click here

Dashboard 31 about hosting usage and important key metrics New Deactivate one single computer 54 in case one single key / ID is used on multiple computers Key / ID usage Report 55 in case one single key / ID is used on multiple computers New <u>search options</u> 29 - restrict a search to a category like reseller, key list, customer etc. or search for computer names New New icon to indicate an abusive usage 47 for a key / ID New Create custom keys - e.g. 12 digits, only upper case letters Settings for MAC projects 97 Changed Manual product activation - when searching for a Serial Number you can limit the search by product and module ID changed Screens to edit / display the Transaction 41 and Key Details 47 have been modified changed New design for product configuration 93 changed New design for key details 47 Changed New design for transaction details 41

E-Mail Activator

New SSL support

Installer

New Supports Windows 2012 Server New Supports MS-SQL Server 2012

## **Update Eligibility**

The update is free for users with a valid license of Activation Server 4.

Installation of the Update

The update requires a running instance of Activation Server 4

Install Updates 150

#### **Backward compatibility**

- The Activation Server 4.2 can accept Transactions from prior DLL versions
- The Activation Server 4.2 supports all features from Licence Protector 4.0. It is mandatory to upgrade to Activation Server version 4.2 if Licence Protector MAC Edition 2 is used

#### 1.6.2 Update Version 4 to 4.1

**Modification history version 4.1** 

■ For a complete list of all modifications click here

- Full **Unicode** support e.g. Chinese characters can be used while adding data in the web interface or by sending the data via the Licence Protector DLL / COM exe 4.x
- **Transactions** are recorded in more detail. There are now transactions for *product* activation, product deactivation, license validation, product reactivation, check a key, license file upload / download. The full information is only available in combination with the DLL /COM exe 4
- New <u>shop configuration</u> [102] for cleverbridge. After the order process the key is generated using Activation Server 4. The customer address and the key is stored. More shop configurations will follow. A key can be generated by any shop system using the inbuilt web service for key generation [82]
- The **host name of a PC** is displayed with each transaction. This helps to identify the usage of a key on different computers \_\_\_\_\_
- Key / ID details: New option <u>abusive usage</u> 47 مالي الم
- Key / ID details: If a key / ID was generated using the <u>web services</u> and the create field information displays *Web Service*. If a key / ID was generated using the web interface, the create field information displays the user <u>Alias</u> 58
- Key / ID details: Button *More Details* displays all details like transactions or license files for this key

Key generation using the <u>web service</u> اعداً creates a new address entry or updates an existing address entry

 Product configuration
 93
 A product can be deleted

Free Basic Hosting 11 available for all customers with an update subscription

New security settings all on Allow key generator only using https instead of https

License file: Button Save and Activate. With only one click on this button the time limitation is removed and the module is activated

New 3 new languages added: French, Portuguese, Spanish

Changed Wording: Activation Requests are now named <u>Transactions</u> 22. The reason is that a lot of more different ways to connect to the server is supported like product activation, deactivation, license verification, check keys, upload or download a

license file etc.

Changed An address can only be deleted, if there are no keys / IDs assigned to this address Changed A key / ID can only be deleted, if there are no transactions for this key / ID Changed After creating a key / ID the name of the customer and reseller is displayed with a

- hyperlink. This allows changing address information after creating a key / ID changed Manual product activation provides more information about the priorities of the
  - installation codes
- changed Manual product activation. Selecting E-Mail saves activation done by: *E-Mail* instead of *E-Mail service* to the transaction
- Changed Home Tab: Search is done by default only searching the exact search phrase or entries which begin with the search phrase. This improves the search performance. A new option *contains* can be checked to search entries which contain the search phrase
- Changed Home Tab: The customer and reseller name include a hyperlink in the search result list. This allows to view the customer or reseller details
- Changed Transactions and Key list search options. The product name and key / ID is saved when changing between the 2 list views
- Changed Key generation: While searching for a customer / reseller the search list includes more fields like city or country
- changed Key generation: Reseller is linked to the reseller table

Changed Project configuration: multiple changes and new fields added

- Changed Reports: Licence Protector DLL / COM exe 4.x sends new transaction status codes. The reports have been modified to use the new status codes. Report *License Transfer* was removed as the necessary information will only be available with a future Licence Protector update.
- changed Data import: Reseller is linked to the reseller table
- Fixed Depending on the configuration the module ID was not always displayed
- Fixed Manual product activation. In case an key / ID was already used the option to allow a reactivation was missing
- <sup>Fixed</sup>Search within transactions or key list. Different fixes and improvements
- Fixed Searching a non existing key displayed all records
- Fixed License file: The date grid did not display Saturday
- Fixed License file: Deleting an entry in the data area was not possible
- **E-Mail Activator**

Supports Unicode

Installer

No changes

## Update Eligibility

The update is free for users with a valid license of Activation Server 4.

## Installation of the Update

The update requires a running instance of Activation Server 4 as it only updates files.

Only install the latest update 4.2.2.3

## **Backward compatibility**

- The Activation Server 4.1 can accept Transactions from prior DLL versions
- The Activation Server 4.1 supports all features from Licence Protector 4.0. It is mandatory to upgrade to Activation Server version 4.1 if Licence Protector version 4 is used

#### 1.6.2.1 Service Update 4.1.2

## Modification history version 4.1.2

■ For a complete list of all modifications click here

By default the transactions of the last **30 days** are displayed. The period can be changed within <u>user settings</u>

Changed Keys created through a shop 3 are displayed in the field Created with the user

Created 12.09.2013 13:21:33 name: Web Service

33 Web Service

- Changed
   Search within Transactions 38
   Searching by module ID now supports using the name of the module or the module ID
- تلاطع Selecting French, Spanish or Portuguese language did not work. Can be changed within <u>User Settings</u>
- Fixed Bug in the pop-up window for addresses
- Fixed When an address was created through a <u>shop</u> [93] it could not be modified (error when saving)
- Fixed Manual product activation depending on the project configuration the installation codes have been displayed wrongly
- Fixed Manual product activation search for a Serial Number. Field *maxtries* was blank instead showing the real value

Fixed License file 50 - in case a Yes/No module was added through the web interface, the module always had the value = No

Fixed Translation errors

Fixed Fixes issues with Serial Number import

E-Mail Activator

No changes

Installer

No changes

## **Update Eligibility**

The update is free for users with a valid license of Activation Server 4.

## Installation of the Update

The update requires a running instance of Activation Server 4 as it only updates files.

## Only install the latest update 4.2..2.3

### 1.6.3 Update Version 3 to 4

**Modification history version 4** 

■ For a complete list of all modifications click here

New Complete redesign of the user interface Activation Server 4 can handle requests from Licence Protector Windows, MAC and All-In-One Protector New HOME Tab with full text search and guick link buttons New KEY Tab - menu to create different types of keys New view for addresses - see all keys and license files associated to an address and instantly create a key or copy a file Reseller information can be stored with a complete address and keys / customers can be assigned to a reseller wewWithin the detail view of an activation request or key the hardware ID, which was used for copy protection, is highlighted. This option is also available if you hover over an key in the activation request list view Manual product activation - select activation type (E-Mail, Fax, Phone) and attach a note to the kev Manual product activation - In case the Serial Number is already stored, it can be automatically inserted (search by customer name or Serial Number) New Create Serial Numbers for time limited full versions (include the expiry date or days until the version expires in the Serial Number) New Option to create tamper reset keys New Create a key list up to 1000 keys

New New option - a user can now access *all projects* or only *selected projects* New Instead of Module IDs you can choose to **display the module name** 

Search within reports or lists - depending on the search field you get pre-

configured search values - e.g. search: *Activation done* by would give a list where you can select a value (Application, e-mail etc.)

New If a module is locked you see a lock icon in lists or views

The user name is displayed in the right upper corner

Keys which have been used can be deleted (not possible with hosting)

New Field country was added to reports

License file view: new date last uploaded, downloaded and modified, product name and customer name added

## The administrator can **restrict the login for a user to a specific IP address** and specify an automatic logout after x minutes of inactivity

Installation code 13 and 14 (MAC) is available for key generation

Modify the product configuration of a project (new configuration option)

All keys can be generated from external applications using an http request to

the Activation Server 4. The access can be limited by IP address and password New New security settings to limit the access for certain operations, e.g. key generator New fields can be assigned and default values can be set when keys are imported Changed Copy license file - search for customer name, used or unused key Changed License file view - new icons

Changed Display project full name instead of project short name in all views and lists
Changed New TAB Keys

Changed An online activation is required for the Activation Server 4 license 86

Changed Report - Address List - only displays addresses for projects, where the user is eligible to access

Changed When an Activation Key is created all modules are selectable - in version 3 you had to define which modules should appear

Changed Performance optimization for projects with a large number of modules

Changed The address fields sent with the product activation are merged with address fields, which are already stored on the Activation Server 4

Changed The default value for Maximum Key / ID Usage is automatically added while generating or modifying a key

changed Search for keys can be limited by displaying only used or unused key

changed Database backup has changed

<sub>changed</sub>Forgot password - new dialogue

<sub>Changed</sub>First user login - changed dialogue

Fixed CSV Export quotes added for text fields

Fixed License file - display Code 11, 12, 13 including text

Fixed Some Search values resulted in an error, wrong result or the image column was not displayed

Fixed License file - if an expiry date was removed the date was still displayed

#### E-Mail Activator

No changes

#### Installer

New complete new installer which installs all prerequisites, configures the IIS, sets the necessary user rights and creates the database

## **Update Eligibility**

The update is free, if version 3 was bought after **October**, **1st 2012** or you have a valid update subscription which expires after **October 1st 2012**.

## Installation of the Update

The update requires a **full new installation and a new Serial Number**. You will automatically get a Serial Number. In case you don't get one, contact <%OEMEMAIL%>.

Details how to install the update 154

## 1.7 **Tutorial Activation Server**

The Web Activation Server comes with an own tutorial which covers the Administration Interface, Installation and Configuration 172.

#### 1.7.1 What is the Activation Server

The Licence Protector Activation Server 4 is an enhancement to the standard Licence Protector system.

The Activation Server 4 is comprehensive web based administration application which offers the following main features:

- Activate a license online (one time activation)
- Verify an Activation Key online
- Check a license with ongoing verifications and lock a license
- Move a license from PC A to PC B
- Submit address and newsletter data
- Create reports, import / export data with the Licence Protector
- Create keys like Serial Numbers or Additional Activation Keys

The Activation Server 4 ensures that each license can be registered only once. Every transaction is logged into a database (database license not included). Each project 25 can have a different workflow. This allows to handle different scenarios:

- full version turn on copy protection
- trial version registration allows to retrieve a key to prolong the trial version
- version for a specific distributor allows 2 activations and reports by distributor (distributorname has to be included in projectname)

Optionally, keys can be transmitted to the Activation Server before they are applied to the license file. It is checked, if the key was already used. This is to ensure, that the key can not be passed on and used multiple times.

The Activation Server also comes with an additional service - <u>E-Mail Activation Service</u> **180**. This allows to automatically respond to activation requests by E-Mail.

## 1.7.2 Start Administration Interface

You will get a link from your administrator to start the Administration Interface. It will look like.

http://yourservername/lpweb/login.aspx

All Mirage hosting customers get a link like this one

https://www.registerserver.net/hosting ID/lpweb/

Mirage provides a demo access to explore and test this interface at

https://www.registerserver.net/lptest/lpweb/

#### 1.7.3 Video Tutorial

Activation Server 4 also comes with a video tutorial. The tutorial covers the basic steps and is the perfect start if you don't like reading.

The video tutorial requires **audio** (headset or PC speaker).

## **Creating Serial Numbers**

This video explains different ways how to create a Serial Number.

Activation Server 4					
4	Create Serial Numbers				
The central p	oint for administration of keys, customers and resellers				

## **1.7.4** Terms and Definitions used in the Tutorial

To fully understand terms, used in this tutorial, browse through the terms and definition chapter. Sometimes it is hard to understand the difference between a <u>Serial Number</u> <sup>26</sup> or an <u>Activation Key</u> <sup>21</sup> or between a <u>product Activation</u> <sup>25</sup> and <u>Transaction</u> <sup>22</sup>.

#### 1.7.4.1 Activation Key

All keys used by Activation Server 4 are unique and have the same format.

#### dO8uc-G1iC9-jOGeA-BqgEX-U71ID-0V1VX

There are 6 blocks each with 5 characters. The blocks are separated by a hyphen for better readability.

An Activation Key is used to change an existing license, e.g. to

- prolong a trial version
- add more users for a network license
- enable an additional module 24

Although a <u>Serial Number</u> 26 is technically also an Activation Key, only a Serial Number can be used for a <u>product activation</u> 25.

Each Activation Key can be used **once** (default) but the <u>Maximum Key / ID usage</u> and be changed. This allows to use one Activation Key on multiple machines.

In the moment, an Activation Key is used, also a  $\frac{\text{Transaction}}{22}$  is recorded. An Activation Key can have one or **more** Transactions:

#### 1.7.4.2 Transaction

Every usage of an <u>Activation Key 21</u> or <u>Serial Number 26</u> or any other connections to the Activation Server 4 (like move a license) create a record in the database - this is a **Transaction**.

Even if the request fails, an error is recorded.

There could be more than one Transaction for a key / ID.

What would create an additional Transaction?

- A user reinstalls the software and uses the Activation Key again. If this reinstallation is working or would create an error is defined in the product reactivation 25 settings
- Validate a key / ID
- A license is moved from PC A to PC B
- A key, which was already used on PC A is also used on PC B. If this additional usage of a key is working or would create an error is defined in the Maximum Key / ID 24 usage settings
- A regular online check, e.g. license check every 30 days
- A license transfer
- A license file upload or download

A transaction is also counted for validations which result in an error like

- Key / ID is locked
- Key / ID already used
- Transaction failed

#### 1.7.4.3 Automatic Licence Generator

The activation action is invoking the *Automatic License Generator*. This is the universal batch processing tool to generate a license file or key. It can be obtained as a separate module to produce key lists or for integration in Online Shops. In the combination with the Activation Server 4 it can only be used with the server and not as a standalone tool. The standalone tool requires a license for the *Automatic License Generator*.

The Automatic License Generator processes the <u>configuration.xml file</u> defined for the project (<u>ProjectID</u> and looks for the definitions defined for the Serial Number /DID. Then the project template file is processed.

In combination with the Activation Server 4 the *Automatic License Generator* only produces Activation Keys. These keys can be retrieved within the <u>Manage Activations</u> [38] Tab, Modify a <u>Transaction</u> [41].

#### See also

Configuration project.config [193]: GeneratorConfig [199] Configuration project.config [193]: GeneratorApp [199] Configuration project.config [193]: GeneratorPath [200]

#### 1.7.4.4 Copy Protection

#### 1.7.4.5 EasyGO

**EasyGo** is a technique, developed by Mirage Computer Systems GmbH, to implement licensing and copy protection with **just 4-6 DLL calls** using professional screens (in multiple languages) and different activation options. It can be combined with all the other Licence Protector features to have all the flexibility you need.

#### 1.7.4.6 Entry Key

The Entry Key is a unique **identifier**. The ID is used to **identify the license**. Normally the unique ID is the license file ID or the <u>Serial Number</u> [26]. If you do not have a serialised license file, then the unique ID could be the order number or the installation code (e.g. use GetInstcode and combine all installation codes to 1 string).

The Entry Key for a <u>Serial Number / ID</u> <sup>24</sup> can be defined by the application. The Entry Key for an <u>Activation Key</u> <sup>21</sup> is the Activation Key itself.

EasyGo 23 or All-In-One Protector use the Serial Number as Entry Key.

#### 1.7.4.7 Effective Key / ID usage

The <u>Effective Key / ID usage</u> <sup>23</sup> indicates, how often the an Activation Key or Serial Number **have been** used. The Maximum Key / ID usage indicates, how often an Activation Key or Serial Number **can** be used.

This value is visible on different screens and reports and **cannot** be changed.

- Key List 46
- Modify a Transaction 41

#### See also

How can I allow a second activation only for a specific user? [21] How can I specify the number of times a key can be used? [212] How do I allow to make a reinstallation on the same machine? [213]

#### 1.7.4.8 Installation Code

Enter topic text here.

#### 1.7.4.9 Licence File ID

The license File ID is an internal number, which was assigned to the license file during creation of the file.

#### 1.7.4.10 Module

A module is a functionality which can be tested with Licence Protector. Even is your application is 'just one single application' it has at least one module. There a different module types and license information per module, which are explained in detail in the main Licence Protector documentation.

To identify a module, it has a **module ID** which appears on all reports.

Activation 25 is done on module level. Even if only a <u>Serial Number</u> 26 is used for activation (e.g. with <u>EasyGo</u> 23), a module ID is used.

#### 1.7.4.11 Maximum Key / ID usage

The Maximum Key / ID usage indicates, how often an Activation Key or Serial Number **can** be used. The Effective Key / ID usage and indicates, how often the an Activation Key or Serial Number **have been** used.

This value is visible on different screens and reports and can be changed.

- Key List 46
- Modify a Transaction 41

#### See also

How can I allow a second activation only for a specific user? 211 How can I specify the number of times a key can be used? 212 How do I allow to make a reinstallation on the same machine? 213

#### 1.7.4.12 Product Activation

A product activation is normally done once per product and triggers a workflow like:

- Activate copy protection
- Make a full version which is not time limited or which expires at a certain date

To activate a product, a <u>Serial Number</u> 26 or ID is used, which is unique. The Activation Server 4 ensures that the Serial Number / ID can be used only within the defined maximum usage limits.

#### 1.7.4.13 Product Reactivation

Enter topic text here.

#### 1.7.4.14 Project name / ID

The project name is used to determine the workflow and project specific settings. Each project name can have a different workflow. This allows to handle different scenarios:

- full version turn on copy protection
- trial version registration allows to retrieve a key to prolong the trial version
- version for a specific distributor allows 2 activations and reports by distributor (distributorname has to be included in projectname)

The projectname is configured in project.config [193], parameter ProjectID [203]. The project name should be identical with the project name of your template xml file but it can be different.



You can add any number of projects you like. It is not counted as a license like it is within the Licence Generator.

The project name is referenced in this tutorial as **project**.

#### 1.7.4.15 Serial Number

26

Although a <u>Serial Number</u> 26 is technically also an <u>Activation Key</u> 21, only a Serial Number can be used for a <u>product activation</u> 25.

Each Serial Number can be used **once** (default) but the <u>Maximum Key / ID usage</u> at can be changed. This allows to use one Serial Number on multiple machines.

In the moment, an Activation Key is used, also a  $\frac{\text{Transaction}}{22}$  is recorded. An Activation Key can have one or **more** Transactions:

#### 1.7.4.16 Unlock Key

Enter topic text here.

#### 1.7.5 Login Screen

To access the Administration Interface, you have to provide username / password. Depending on the user rights, not all options could be available.

The default username is **admin** and there is **no password** (leave password field empty).

	Activation Server 4	Administration Control Center
miage	ADMINISTRATION LOGIN:	
Activation	Username	
Server -	Password	
1	Forgot your password?	
PK	>> Login	
		Activation Server Version 4.0.0.3

If you forgot your password, your can request it by e-mail. Select Forgot your Password?

You have to specify a **new password** after the first login. Also specify your e-mail address (required if password is lost) and more settings like language or date format.

Change Your Password: Please en	ter and verify a new password below.				Administration / Setup
	password ers long vith or contain your username			Ser Settings	Customize Screen - Manage Activations
Chang Username *	ge Your Password				
E-mail*					
New Password *					
Verify New Password *					
Language	English				
Date Format	English: 20/10/2012 🗨				
		Save	X Cancel		

Press Save after you have filled out the form

#### 1.7.5.1 Forgot your Password?

If you forgot your password, Select in the login screen *Forgot your password?* You can then type in your e-mail address and select **Request Password**. Your password is e-mailed to you.

## WEB ACTIVATION SERVICE ADMINISTRATION INTERFACE LOGIN

VERSION WEB ACTIVATION SERVICE VERSION 3.0.0.25142

E-Mail



Request Password

X <u>Cancel</u>

In order for us to recover your password we need to confirm your identity. Please enter your E-Mail address. You get your password e-mailt to this address.

If you still cannot log in, please contact the administrator at your company and he can reset the password for you.

## 1.7.6 Getting Started

After login successfully, the main screen appears.

The different TABs grant access to different areas

- <u>Home</u> 29
- <u>Reports</u> 34
- Manage Activations 38
- <u>Keys</u> 63
- <u>Administration / Setup</u>
   <sup>86</sup>

The access and available options can be restricted per user 58.

Activation Server 4		Demo
Home Reports Manage Activations	Keys Administration / Setup	🖲 Help 📲 Logout

To log out, use the **Logout** option in the top right corner.

	Demo
🕐 Help 🚽 Log	out

## 1.7.7 TAB - Home

The Home screen is the place to start.

Reports	Manage Activations	Keys	Administration / Set	up	() Hel	p 📲 Logout	
Search for keys	s, customers and re	sellers					
	Search						
Search Optio	ns						
Contains							
Search All ‡ All products							
. In products							
Quick Links							
Quick Links	Create a Serial Number	Manual F	Product Activation	Manage your addre	esses Transactions	s Key List	
Quick Links	Create a Serial Number	Manual F	Product Activation	Manage your addre	esses Transactions	s Key List	
Quick Links	Create a Serial Number	Manual F	Product Activation	Manage your addro	esses Transactions	s Key List	
Quick Links Dashboard	Create a Serial Number	Manual I	Product Activation	Manage your addre	esses Transactions	s Key List	
Dashboard	Create a Serial Number	Manual F	_		Transactions	s Key List	
	Create a Serial Number	Manual F	Transactions -	- Results	esses Transactions	s Key List	
Dashboard		Manual F	_		esses Transactions	s Key List	
Dashboard Hosting Usage	1200 1500 1800		Transactions -	- Results	esses Transactions	s Key List	
Dashboard Hosting Usage 90(			Transactions -	- Results	esses Transactions	s Key List	
Dashboard Hosting Usage 90( 600		2400	Transactions -	- Results	ok (864) unknown error (7:	3)	
Dashboard Hosting Usage 90(			Transactions - Last 30 days	- Results	• ok (864)	3)	

## Search

The search is a **full text search** - you can search for **keys, company name, customer first** or **last name**, **reseller name** or **e-mail address**. The search is even extended to the computer names (host name) within a transaction.

#### Search options

You can narrow down or expand the search with search options.

**Contains** 

- If this option is **unchecked**, the field to search must **begin** with the search term. Example search term: - *Tom* - would find a first name Tom, an e-mail address which begins with tom or a computer name like tomspcs.
- If the option is checked, the field to search can contain the search term. Example search term: Peter would find a first name Peter, but also St. Petersburg or an email address Charles.Peters@hotmail.com

#### Limit search by product or by category

You can limit the search by either selecting a **category** like *customers* or *keys* or limit the search by **product**. Especially with a large amount of data limiting the search result speeds up the search and makes it easier to pick the correct result.

If no search option is specified, you get as a search result a list with customers, resellers, keys, transactions and license files.



You can even search for a computer name like *johnspc* to locate a specific key.

## **Quick Links**

The quick links buttons provide a quick access for often used tasks

- Create a Serial Number 64
- Manual Product Activation
- Manage your addresses 56
- Transactions 38
- Key List 46

## Dashboard

The wealth of information Activation Server 4 at your fingertips - ranging from real-time snapshots of your transactions to yearly summaries.

By always knowing where you stand, you can spot trends early, localize problems e.g. with abuse key usage and make the best decisions for your business.

Working with Dashboards 31

#### 1.7.7.1 Dashboard



The Dashboard gives you an overview about important metrics like result of  $\frac{\text{transactions}}{22}$  or your hosting usage.

## **Hosting Usage**

This dashboard is available only for hosting customers.

It shows your hosting usage within the actual invoicing period (typically 3 months or 6 months).

#### Hosting Usage



Hosting Package 'Package M1' (1000 Transactions / Month)

Once the limit of your package is reached, the gauge control turns red. The tActivation Server 4 will still accept transactions but you will have to pay for the transactions which exceed the hosting package.

Below is an example of a hosting where the package includes 1.500 transactions in 3 months but nearly 9300 transactions have been done.



## **Standard Dashboard**

The dashboard includes interesting figures about the usage of keys.

You can select a different time period e.g. to a weekly, monthly or yearly view.

## **Transactions - Results**

The dashboard gives an overview about the 3 most common results of transactions.



#### **Transactions - History**

Overview about the number of transactions per day.



Example for a huge increase within one month, e.g. because an update was delivered



Example if sales is done mostly in the last quarter of the year



## 1.7.8 TAB - Reports

The Activation Server 4 comes with a set of predefined reports. All reports can be displayed on the screen, printed as a PDF file or exported into a CSV file. It is possible to define filter and sort criteria per report.

#### 1.7.8.1 The Basics about Reports

1.7.8.1.1 Search, Filter and Sort Criteria

To start with a specific project (= application) for a report, select the project name in the **product list** option. The default is to display *All Projects* within a report. After selecting a report on the main screen the report data is displayed.

Search Criteria			
Product:	Key / ID:	Customer Name:	Start Date: End Date:
demo-easygo	•		
Search Field:	Search Criteria:	Search Value:	
	✓ like	▼	🗟 <u>Search</u> 퉳 <u>Export</u>

You can search / filter the report by

- Product Name
- Key / ID either a Serial Number / ID 26 or Activation Key 21
- Customer Name
- Start and End Date
- Search Field: Additional Search Criteria available through a picklist

After changing a search / filter criteria, you have to click on the **Search** link.

The data can be sorted by clicking on the headline of a column. The default sort order is **date**, **descending**.

1.7.8.1.2 Export a Report

To export the data of a report, click on the link *Export*. A CSV file is generated and you can download the data by selecting the link **<u>download exportfile</u>**, which is displayed in a new Browser window after the data export is finished.

1.7.8.1.3 Print a Report

To print the data of a report press the button An Excel file is generated. You can print the report using Excel.

#### 1.7.8.2 Address List

The report includes the complete address and newsletter information, sent with the command *SendCustomerInfo*.

#### See also

Print a Report 35 Export a Report 35

#### 1.7.8.3 Erroneous Activations

This report contains all <u>activations</u> [25] for <u>Serial Numbers / IDs</u> [24] and <u>keys</u> [21] which have been erroneous. There are 2 different types of errors:

- Transaction Result this is an error generated by the Activation Server 4
- History Result error generated by the DLL communication with the Activation Server 4

## See also

Print a Report 35 Export a Report 35

#### 1.7.8.4 Key List

This report contains all <u>Serial Numbers / IDs</u> 24 and <u>Activation Keys</u>. 21 If you click on a Key / ID it displays all <u>Transactions</u> 22 for the Key / ID.

The columns Maximum 24 Key / ID usage and Effective 23 ID usage are the main indicators of the key usage.

Icons indicate an important status - Icon explanation

### See also

Print a Report 35 Export a Report 35
### 1.7.8.5 Locked Licences

All licenses (Serial Numbers / IDs, Activation Keys) which have been locked are included in this report.

### See also

How to lock a license? 213 Print a Report 35 Export a Report 35

### 1.7.8.6 Licence Verification Checks

Each check of a license with the DLL command *CheckLicence* generates an entry in this report. You need to use Ongoing Verifications within the license file.

### See also

Configuration setting: <u>CheckLicenceDays</u> <u>Print a Report</u> <u>Export a Report</u> <u>S</u>

### 1.7.8.7 Moved Licences

All licenses, which have been moved from a PC A to PC B are included in this report. Technically the DLL command *Deactivatelicense* (to transfer the license from the local PC to the Web Activation Server) and then *CheckLicence* (to adopt the license from the Web Activation Server) is analysed.

### See also

Print a Report 35 Export a Report 35

#### Activation Server 4

#### 1.7.8.8 Successful Activations

38

This report contains all <u>activations</u> for <u>Serial Numbers / IDs</u> and <u>keys</u> and <u>keys</u>

### See also

Print a Report 35 Export a Report 35

# 1.7.9 TAB - Manage Activations

The *Manage Activations* Tab allows to search for a specific key or an <u>transaction</u> 12. It provides options to view and modify data

### • Transactions 38

• Key List 46

You can also

- <u>Manage addresses</u> [56] (customer data)
- Manage resellers 58
- <u>Manage users</u> [58](requires administration rights)

# **Related information**

- Lock a key or deactivate a computer 52
- Report about key usage 55

### 1.7.9.1 Transactions

A <u>Transaction</u> [22] represents a licensing request from the users machine to the Activation Server 4. Each request (successful or erroneous) is journalized.

Every time a request like:

- Product activation
- Transfer a license
- Reinstall a license
- Regular license check

is done a record=transaction in the Activation Server 4 is generated to document the licensing request.

											Tom Sullivan		
Repo	orts Man	age Activatio	ns Keys	Administration	/ Setup					🛞 Help 🔸	Logout		
actions:											Manage Ac	tivations	
Search C	riteria												
	Product	All products	\$	Key / ID									
	Start Date	1	8/10/2013	End Date									
S	earch Field		\$	Search Criteria	like	\$	Searc	h Value					
					Search	🍓 Export	Report						
Transacti	ions (5)				Search	Export (	Report						
	<b>ions (5)</b> review for deta	il information			Search	Steppert (	Report						
	review for deta	il information nail	Key / ID	Customer Name	Search Module ID	Export (	Report	Version	Activation done by	Transaction Date/Time		Result	
Enable pr	review for deta E-n	nail	Key / ID 1yGEb-51P93-9E71r 3tQ8X-yQU5k-6m14	Customer Name m- All About	Module ID E-Learning	IP-Address		Version 4.0			Type	ok	<u></u>
Enable pr Product Name Easy-Go	review for deta E-n alisa@allabout	nail software.com	HyGEb-5IP93-9E7Ir	Customer Name <u>m-</u> All About Software Inc.	Module ID E-Learning Made Easy E-Learning	IP-Address 188.105.123.116			done by	Date/Time 18/04/2014	Type Activation	ok key	

### **Transaction list view**

By default, you get a list all transactions for all products. If you have more than 50.000 transactions, it is recommended to display only the last 6 months or 30 days by default. This can be configured per user in the <u>user settings</u> [99].

The list view can be **filtered** using search criteria like product, key / ID, transaction result etc.

- Icons in the right column indicate an important status Icon explanation
- To display details or change information click on the Key / ID 41

You can customize the columns - e.g. if you do not need the reseller column but would like to see the license file version, change the fields to display in the <u>user settings</u> 100.



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### **Activation Done By**

Information how a product was activated

- Application (Windows Licence Protector or All-In-One Protector)
- <u>E-Mail Service</u> 178 (automated E-Mail service)
- <u>E-Mail</u> 🗐 (manual product activation)
- Fax 69 (manual product activation)
- MAC (MAC Licence Protector or All-In-One Protector)
- Manual (no longer in use)
- <u>Phone</u> [69] (manual product activation)
- <u>Website</u> 82 (using an https request to create the Unlock Key)

### **Transaction Type**

The transaction type indicates the origin of the transaction. Possible transaction types are:

- Activation product activation
- Check Key just validate a key. This is typically done for an <u>Activation Key</u> 10 (not a Serial Number)
- Check license and get info
- Deactivation deactivate a license file or module
- Download license file download of a license file
- Initialize license first installation of the application and downloading the original license file (MAC only)
- Product Deactivated deactivate a license file or module
- Reactivation new installation on the same computer or regular online check (older Licence Protector / All-In-One Protector versions)
- Upload License file upload a license file
- Validation regular online check

# Depending on the Licence Protector / All-In-One Protector version used, the transaction could vary.

### **Result**

The main purpose of the result field is to indicate, if a transaction was successful or not. In case a transaction failed, it displays an error message or error code.

### **Preview information**

Check: Enable preview for detail information and hover over the Key /D.

		-
	Details	
	InstCode 1: 63CC0E2A	
	InstCode 2: 0A5AD670	
	InstCode 3: CCFC7C3E	
	InstCode 4: 1EC96F45	
	InstCode 5: 85B3594C	
	InstCode 6: 6B77547D	
	InstCode 7: 41A72453	
_	InstCode 8: 9D8C4AD1	
	InstCode 9: 7D4BCAFF	
	InstCode 10: 7D71A704	
	InstCode 11:	
-	InstCode 12: 1EC96F45	
_	InstCode 13: DB4578AD	
(	UUGEG-5IPb6-9E7IA-	-
_	3tO8X-COU5k-6Li4S	

It displays all installation codes / hardware IDs and highlights the installation code, which was used for copy protection.



Search for a key / ID in the Home TAB 29 and click on the search result in the Key List. 46 You get an overview about all Transactions for this key. **Hovering** over each transaction displays the installation codes so that you can easily compare, if the key was used on the same machine or not (of course the Activation Server 4 has already done this).

#### 1.7.9.1.1 Transaction Details

To modify a Transaction click on Key / ID in the list view of Transactions 38.

The Transaction details are split in 3 sections

# **Details for the Transaction**

This part of the screen includes information about the **Transaction** like product name, IP address or the name and E-mail address which was typed in during the product registration. **This data cannot be changed** because it is like a record in a book-keeping application.

this Transaction:				Manage Activations
Details for this Transaction				
Product	Easy-Go Application	License ID	40	
E-mail	ryan@allaboutsoftware.com	Key / ID	HyGEb-5IP93-9E7Im-3tQ8X-yQU5k-6m14E	
Registered Customer Name	All About Software Inc.	Module ID	E-Learning Made Easy	
Host Name	8604.fritz.box	IP-Address	109.193.110.214	
Result	ok	Transaction Type	Activation	
Reseller	ок	Transaction Date/Time	18/04/2014 13:17:41	
Note		Version	4.0	
Note		Next date of license check	28/04/2014 13:17:41	
	h.	Check		

The Key / ID details for this Transaction

This part of the screen includes information about the key/ID which can be changed.

Maximum Key / ID usage	2		Serial Number Family license	
Online	validation options			ħ
Is Locked		Abusive Usage		
Regular license check		1		
(days)		Cancel Regular License Verification		
(days)	e holder All About Software Inc.	Verification		]
(days)		Verification		]
(days) License Customer Name		Verification		]
(days) License Customer Name Reseller	All About Software Inc.	ل Verification ک ک External ID ک ک External Group	18/04/2014 13:16:43	]

### Effective Key / ID Usage

Number, how often a Serial Number / ID or Activation Key **was used**. If a key was used multiple times on the same computer it counts as one. Only if the key is used on a different computer it counts as a new usage

### Maximum Key / ID Usage

This defines on how many different computers a Serial Number / ID or Activation Key **could** be used. A reinstallation on the same computer will not count as an additional usage.

To allow one additional activation, just add 1 to the number displayed in *Effective Key / ID* Usage

<u>Note</u>

A text note can be added to each key. Keys which have a note, will appear in a key list with the icon

# **Online validation options**

To use these options, you need to activate a regular online check.

For more details see lock or revoke a license [52]

### License holder

Information about the license holder

### **Customer Name**

This is the customer name which is assigned to the key. **One single key can have different user/customer names** for each Transaction (see above details for the Transaction) but only one address can be assigned to a key.

Click on the icon & to search for a customer. It should open a new window. If it does not open, disable the pop-up blocker for this site.

To search for a customer, type in the company or user name and click on  $\checkmark$ . You can also add a new customer address by clicking on **New Address.** 

00	Auswahl	Ry
* you can search for customers by	first name, last name	, company name or customer number
smart inc. c		<i>P</i>
Address		
Company Name	Name	Customer Number
Smart Inc. Com	Peter Hanks	

### Reseller

Click on the icon  $\clubsuit$  to search for a reseller. It should open a new window. If it does not open, disable the pop-up blocker for this site.

To search for a reseller, type in the company or user name and click on  $\swarrow$ . You can also

44

add a new reseller by clicking on New Address.

● ● ●	Auswahl	R
* you can search for customers by smart inc. c	first name, last name	e, company name or customer number
Company Name	Name	Customer Number
Smart Inc. Com	Peter Hanks	

Click on the Link **Save** to save the information. Click on the Link **Save** to leave this screen without saving any data

# Installation Codes (Hardware ID) and Unlock Key

Below this section, you find additional information about **Installation Codes** and **Unlock Keys**. This information is only available for a product activation (Serial Number / ID).

- The Installation Code which was used for copy protection is marked with an \*
- Installation Codes (Hardware IDs) for this Transaction all installation codes 24 received from the user machine are listed here. The number of the installation codes depend on the version of 1:16 PM.
- Unlock Key(s) sent to local PC displays one or multiple keys which have been **sent** to the user machine. This is typically the Unlock Key.

# 13 Installation Codes (Hardware IDs) for this Activation Request

Code	Installation Code (Hardware ID)
1	33ED005C
2	51B19052
3	89EDA576
4	758F480D
5	EA0832AE
6	F692E188
7	743030EB
8	1FAEB4CD
9	A936CD94
10	5B150E32
11	
12	40F462B7
*13	D83D2E6E

# 1 Unlock Key(s) sent to local PC

Keys / IDs which have been sent to the local PC

W2C2D-F8p1E-NsPWJ-76Mn1-McCgf-2N1QL

Click on the **Key / ID** to get all Transactions for this Key / ID

#### 1.7.9.2 Key List

46

The Key List displays all Serial Numbers / IDs / Activation Keys

										Tom Sullivan	
Reports	Manage Ac	tivations	Keys Adminis	tration / S	Setup					)Help 📲 Logout	
st:										Manage	Activations
Search Criteria											
Pro	oduct All pr	oducts	¢ Key	/ ID		A	ll Keys 💿	Unused	Keys 🔘		
Customer M	łame		🗸 Res	eller		2				N.	
Start	Date		End	Date						15	
Search	Field		Search Cri	teria 🛛 li	ke	Search	Value				
Key List (6)					🚡 Search 🛛 🍋	Export 💽 Repo	ort				
Enable preview	for detail inform	mation									
Product Name	Module ID	Key Type	Key / ID	Is Locked	Effective Key / ID usage	Maximum Key / ID usage	Reseller	Customer Name	Country	E-mail	Created
Easy-Go Application	E-Learning Made Easy	Serial Number	2WGE7-5IP93-9E7IV-3tQ8X- sQU5k-6o149	false		1	Softrade Inc.	Smart Inc.			18/04/2014
Easy-Go Application for MAC	E-Learning Made Easy	Serial Number	4tFdS-17ICC-A1I8e-9Wk7X- DemDQ-DN38C	false		1	Softrade Inc.	Marc Smith			18/04/2014
								All About	United		
Easy-Go Application	E-Learning Made Easy	Serial Number	HyGEb-5IP93-9E7Im-3tQ8X- yQU5k-6m14E	false	2	3		Software Inc.	States	ryan@allaboutsoftware.com	18/04/2014

### Key list view

By default, you get a list all transactions for all products.

The list view can be **filtered** using search criteria like product, key / ID, transaction result etc.

- Icons in the right column indicate an important status Icon explanation
- To display details or change information click on the Key / ID 47

You can customize the columns - e.g. if you do not need the reseller column, change the fields to display in the <u>user settings</u> 100.

Click on the key / ID to get the key details 47

### Effective Key / ID Usage

Number, how often a Serial Number / ID or Activation Key **was used**. If a key was used multiple times on the same computer it counts as one. Only if the key is used on a different computer it counts as a new usage

Maximum Key / ID Usage

This defines on how many different computers a Serial Number / ID or Activation Key **could** be used. A reinstallation on the same computer will not count as an additional usage. You can change the Maximum Key / ID in the key details page.

#### 1.7.9.2.1 Key details

This screen provides the **key details** and an overview of **all transactions** for **one single** Serial Number / ID / Activation Key.

Details for this Key / ID				
Product	Easy-Go Application	Module ID	E-Learning Made Easy	
Key / ID	HyGEb-5IP93-9E7Im-3tQ8X- yQU5k-6m14E			
Effective Key / ID usage	1	Кеу Туре	Serial Number	
Maximum Key / ID usage	1	Note		
Online	validation options			
Is Locked		Abusive Usage		
Regular license check (days)		Cancel Regular License Verification		<b>N</b>
License	holder			
Customer Name	All About Software Inc.	🌡 🌡 🛛 External ID		
Reseller		🎄 🌡 🛛 External Group		
	ryan@allaboutsoftware.com			
E-mail		Created	18/04/2014 13:16:43	
E-mail Modified	18/04/2014 13:17:41			

# Details for the Key / ID

You find detail information like product name 25, Key Type or Module ID in the header section.

You can modify:

### Effective Key / ID Usage

Number, how often a Serial Number / ID or Activation Key **was used**. If a key was used multiple times on the same computer it counts as one. Only if the key is used on a different computer it counts as a new usage

### Maximum Key / ID Usage

This defines on how many different computers a Serial Number / ID or Activation Key **could** be used. A reinstallation on the same computer will not count as an additional

### 48 Activation Server 4

usage.

To allow one additional activation, just add 1 to the number displayed in *Effective Key / ID* Usage

<u>Note</u>

A text note can be added to each key. Keys which have a note, will appear in a key list with the icon

# **Online validation options**

To use these options, you need to activate a **regular online check**.

For more details see lock or revoke a license 52

# License holder

Information about the license holder

### **Customer Name**

This is the customer name which is assigned to the key. **One single key can have different user/customer names** for each Transaction (see above details for the Transaction) but only one address can be assigned to a key.

Click on the icon  $\Delta$  to search for a customer. It should open a new window. If it does not open, disable the pop-up blocker for this site.

To search for a customer, type in the company or user name and click on  $\swarrow$ . You can also add a new customer address by clicking on **New Address.** 

00	O Auswahl					
* you can search for customers by smart inc. c	first name, last name	e, company name	or customer number			
Address New Address						
Company Name	Name	Custom	er Number			
Smart Inc. Com	Peter Hanks					

### Reseller

Click on the icon  $\clubsuit$  to search for a reseller. It should open a new window. If it does not open, disable the pop-up blocker for this site.

To search for a reseller, type in the company or user name and click on  $\swarrow$ . You can also add a new reseller by clicking on **New Address.** 

00	Auswahl	M
* you can search for customers by smart inc. c	y first name, last name	e, company name or customer number
Company Name	Name	Customer Number
Smart Inc. Com	Peter Hanks	

Click on the Link **Save** to save the information. Click on the Link **Save** to leave this screen without saving any data

**Transactions** 

See transactions for a key / ID 49

1.7.9.2.2 Transactions for a key /  $I\!D$ 

**One single key can have multiple transactions** - e.g. each time the key was used for a new installation or a regular online check was done, a new transaction for this key is generated. The transaction list gives you a **complete history of the key usage**.

In the example below the transactions tell the following story:

- Ryan made a product activation on computer 8604.fritz.box and it was successful
- Alisa tried to use the same key on computer e5b5.fritz.box but the product activation failed because the key was already used
- The key ID / usage 47 was changed because a few minutes later the product activation was successful
- The column Effective Key / ID usage indicates, that the key was used on 2 different computers
- The column *Next date of license check* indicates, when the next online check would be due. This is only relevant if the online check is enabled in the application

3 Trans	actions for this Key	/ ID												
License	Usage													
Product Name	E-mail	Key / ID	Customer Name	Module ID	IP-Address	Reseller	Version	Activation done by	Transaction Date/Time	Transaction Type	Result	Host Name	Effective Key / ID usage	Next date of license check
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:51:09	Activation	ok	e5b5.fritz.box	2	28/04/2014 14:51:10
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3t08X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:50:22	Activation	key aiready used	5b5.fritz.box		
Easy-Go	rvan@allaboutsoftware.com	HvGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	109.193.110.214		4.0	Application	18/04/2014 13:17:41	Activation	ok	8604.fritz.box	1	28/04/2014 13:17:41

#### 1.7.9.3 License file

It is possible to modify a complete license file similar like in the Licence Generator. This requires an option in the application to upload and download a license file.

s page shows icens	efiles								
Description:		upload							
y / ID: stomer Name:		CIGEG-SIPe6-9E Smart Inc.	7IH-3tQ8X-bQU5k	<u>-6214C</u>					
					- File	1			
curity Level: ADVA	NCED License File		ense File 3100	Dicense Date:	File				
en.	Data								
Additional Set									
Additional Set	tings	Number of Licensee	Madula Tura	Valid until Dau	Valid number of daug	Dom	o Tag-Valuo	Activation	
Additional Set	tings Description	Number of Licenses			Valid number of days	Dem			
Additional Set	tings	Number of Licenses	Module Type Computer Yes	28.10.2010	Valid number of days	Dem	o   Tag-Value 1	Activation activated none	

# **Copy License File**

A good idea is to have one master license file like a template. You can copy this license file, assign a new Key / ID and then change the customer name and license options.

# Delete

If a license file is deleted, the key / ID which is assigned to the license file, is not deleted.

# **Configuration Settings**

The following configuration settings are important for license file upload/download:

- LvsDefaultName 202
- LvsOverwriteServerChanges
   202
- MultipleLVS 202

1.7.9.3.1 Create a license file by an external application

It is possible to create or change a license file, which is stored on Activation Server 4, using the Licence Protector API. Using a license file from Activation Server 4 needs an implementation for a license file <u>upload / download</u> within the protected application.

### Create and upload a license file

Create a license file using the Licence Generator. This license file should include all modules and is used as a **generic license file** (like a template). In case of a new delivery, always this license file is used and modified.

### **Change module values**

• Open your local (generic) license file using PrepareForce

Using the Licence Protector API you can:

- Change module values like quantity (SetVal, TLI)
- Set Demo Version to NO (SetVal, DMO = 0)
- Set Activation Status to Done (SetVal, WST = 2)
- Delete time limitation (SetVal, EXO = 1899-12-30)

Instead of changing existing modules you can:

- Read the module list using GetModuleList
- Delete all modules using <u>DeleteModule</u>
- Add the modules again with the real values using AddModule

### Create a Serial Number / ID

The license file has to be linked with a Serial Number /D. You create the Serial Number / ID using an <u>http call to Activation Server 4</u>  $\boxed{12}$ .

### Upload the license file

Upload the license file using the Serial Number / ID with <u>UploadLic</u>. Add the customer address using <u>SendCustomer</u> and the same Serial Number /D.

# Change an existing license file

To change an existing license file, you need the Serial Number / ID

- Open your local (generic) license file using PrepareForce
- Download the license file from Activation Server 4 using <u>DownloadLic</u> and the Serial Number / ID
- Modify the module values
- Upload the license file using the Serial Number / ID with UploadLic

### 1.7.9.4 Lock / Revoke a key or a single computer

It is possible to lock / revoke a license or check if a subscription or maintenance contract is still valid.

In case **one single** key / ID is used on **multiple computers**, you can deactivate / remove a license for one computer. This is often necessary when the user forgot to transfer the license or could not transfer the license because the computer crashed.

Both options require a regular online validation.

- Lock the complete license 52
- Deactivate one single computer 54

#### 1.7.9.4.1 Lock or revoke a license

It is possible to lock a license or check if a subscription or maintenance contract is still valid.

If the license is locked **before** the Serial Number key was already used, the product activation will fail. If the Serial Number key is locked **after** the activation was already done, then a **regular online** check is necessary to lock / revoke the license.

**E**2

				Activation Server	55
				l	
s					
) usage	1	Кеу Туре	Se	erial Number	
) usage	1	Note			
				Z	
Online	validation options				
Locked		Abusive Usage			
e check (days)		Cancel Regular License Verification			
License	holder				
r Name	All About Software Inc.				
teseller		👗 🌡 External Group			
E-mail	rvan@allaboutcoftware.com				

More Details

18/04/2014 13:16:43

### Is Locked

The Key / ID Deta

Is legular licens

Locking a license blocks the product activation or key usage in case the key **was not used**. To lock / revoke a license, which was already used, a **regular online check** is necessary.

💥 Ca

18/04/2014 13:17:41

📊 Save

If the same Key / ID is used on multiple computers, locking the key / ID would **lock all** computers.

### **Regular license checks**

If you enabled regular license check, the default interval value (number of days, how often the license check is done) from the product configuration [94] is used. You can change the interval for this key / ID or cancel the regular online validation.

### Abusive usage

If an activation or license validation fails several times for a key / ID, this key is automatically flagged as - **abusive usage**. An online validation of the same key which had a valid product activation before or a reinstallation on the same computer will still work.

However a key usage which results in an error like *key was already used* will generate an unknown error (code 16384). The idea is that the Activation Server 4 can automatically detect, if someone spreads a key / ID through the Internet and the usage of this key will generate unknown errors during product activation.

Locking a key 47 will completely stop the usage of the key (e.g. also a valid product activation would be locked with the next online validation) while marking the key with

54	Activation Server 4
•••	

abusive usage will affect only misused keys.

A key with the abusive usage flag set will be displayed in lists with the icon  $\overline{\mathbf{w}}$  .

The option here allows to uncheck the flag (in case you know there is no abusive usage) or to manually flag the key as abusive usage.

The default value is set in the product configuration, <u>*Flag as abusive usage after number of errors* [95]</u>

#### 1.7.9.4.2 Deactivate one single computer

In case **one single** key / ID is used on **multiple computers**, you can deactivate / remove a license for one computer. This is often necessary when the user forgot to transfer the license or could not transfer the license because the computer crashed.

To deactivate a computer

- search for the key or even for the computer name in the Home screen 29
- click on the key in the key list to get the key details 47
- at the end of the key detail screen there is a list with all transactions for this key 49

License	Usage													
Product Name	E-mail	Key / ID	Customer Name	Module ID	IP-Address	Reseller	Version	Activation done by	Transaction Date/Time	Transaction Type	Result	Host Name	Effective Key / ID usage	Next date of license check
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:51:09	Activation	ok	e5b5.fritz.box	2	28/04/2014 14:51:10
Easy-Go	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3t08X- yOU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:50:22	Activation	key aiready used	5b5.fritz.box		
Easy-Go	ryan@allaboutsoftware.com	HvGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	109.193.110.214		4.0	Application	18/04/2014 13:17:41	Activation	ok	8604.fritz.box	1	28/04/2014 13:17:41

### • Click on the License Usage button

You will now get now a list with all computers using this key / ID.

Transactions						
Transactions (X) Report					•	
E-mail	Customer Name	IP-Address	Version	Installation date	Host Name	Deactivate
alisa@allaboutsoftware.com	All About Software Inc.	188.105.123.116	4.0	18/04/2014 14:51:09	e5b5.fritz.box	
ryan@allaboutsoftware.com	All About Software Inc.	109.193.110.214	4.0	18/04/2014 13:17:41	8604.fritz.box	

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To deactivate the computer, click on the  $\aleph$  icon. A product deactivation transaction is done.

Switch to the key details 47. You should see 2 modifications

- The Effective Key / ID usage was decreased by 1
- The list of transaction now includes the deactivation transaction and the computer

which was deactivated, is marked with the icon 💐

4 Trans	actions for this Key	/ ID													
License	Usage														
Product Name	E-mail	Key / ID	Customer Name	Module ID	IP-Address	Reseller	Version	Activation done by	Transaction Date/Time	Transaction Type	Result	Host Name	Effective Key / ID usage	Next date of license check	
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy			4.0	Application	18/04/2014 16:29:05	Product Deactivated	ok	e5b5.fritz.box			٦
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:51:09	Activation	ok	e5b5.fritz.box	2	28/04/2014 14:51:10	
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:50:22	Activation	key already used	e5b5.fritz.box			٦
Easy-Go Application	ryan@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	109.193.110.214		4.0	Application	18/04/2014 13:17:41	Activation	ok	8604.fritz.box	1	28/04/2014 13:17:41	٦



- As the license was deactivated, the user could install the product again on the same computer
- You need to **enable regular online checks** to validate, if the product is no longer used on the deactivated computer

#### 1.7.9.5 Report - computer usage for one single key

In case **one single** key / ID is used on **multiple computers** and you need a usage report which includes the computer names (e.g. to send it to the customer), a Excel report can be generated.

To generate the report

- search for the key or customer name in the Home screen 29
- click on the key in the key list to get the key details 47
- at the end of the key detail screen there is a list with all transactions for this key 49

3 Trans	actions for this Key	/ ID												
License	Usage													
Product Name	E-mail	Key / ID	Customer Name	Module ID	IP-Address	Reseller	Version	Activation done by	Transaction Date/Time	Transaction Type	Result	Host Name	Effective Key / ID usage	Next date of license check
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:51:09	Activation	ok	e5b5.fritz.box	2	28/04/2014 14:51:10
Easy-Go Application	alisa@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3t08X- yOU5k-6m14E	All About Software Inc.	E-Learning Made Easy	188.105.123.116		4.0	Application	18/04/2014 14:50:22	Activation	key already used	5b5.fritz.box		
Easy-Go Application	ryan@allaboutsoftware.com	HyGEb-5IP93- 9E7Im-3tQ8X- yQU5k-6m14E	All About Software Inc.	E-Learning Made Easy	109.193.110.214		4.0	Application	18/04/2014 13:17:41	Activation	ok	8604.fritz.box	1	28/04/2014 13:17:41

### • Click on the License Usage button

You will now get now a list with all computers using this key / ID.

ansactions 🔀 Report								
E-mail	Customer Name	IP-Address	Version	Installation date	Host Name	Deactivate		
alisa@allaboutsoftware.com	All About Software Inc.	188.105.123.116	4.0	18/04/2014 14:51:09	e5b5.fritz.box			
ryan@allaboutsoftware.com	All About Software Inc.	109.193.110.214	4.0	18/04/2014 13:17:41	8604.fritz.box			

Click on the button
 Report

It will generate the report and open Excel.

	A	В	С	D	E	F. F.
1	License Usage for Serial Numb	er / ID: HyGEb-5IP93-9E7Im-3t	Q8X-yQU5k-6m14E			
2						
3	Generated by:					
4	Tom Sullivan					
5	18/04/2014 16:52:47					
6						
7	E-mail	Customer Name	IP-Address	Version	Installation date	Host Name
8	ryan@allaboutsoftware.com	All About Software Inc.	109.193.110.214	4.0	18/04/2014 13:17:41	8604.fritz.box
9	alisa@allaboutsoftware.com	All About Software Inc.	188.105.123.116	4.0	18/04/2014 13:17:41	e5b5.fritz.box

# 1.7.10 Manage Addresses

Manage and administrate customers and the keys / resellers associated with an customer.

57

Modify Addre	255							
Company Name	AllAbout Software Inc		Comp	any Id				
Salutation / First Name	Ryan			E-mail	ryan@allabou	tsoftware.c		
Last Name	Meyer		PI	none 1				
Academic Title			Pł	none 2				
Job Title			Lan	guage		\$		
Street Address 1	223 East 47th Street		w	ebsite				
Street Address 2			Customer N	umber				
ZIP Code			Newslett	er 1-4				
City	New York							
State	NY		Product	Name				
Country			Custom I	Field 1				
Created	01/11/2012 12:44:14		Custom I	Field 2				
Created By			M	odified	01/11/2012	12:55:34		
			Modif	ied By		admin		
		🖬 Save 🗶	Cancel & D	elete				
P Assign a Key	/ ID A Manual Product /	Activation Create	e a Serial Number	Creat	te an Activation I	(ey Dop	by License File	
ist								
Key / ID	Product Name	Module ID	Кеу Туре		e Key / ID sage		NKey/ID age	Reseller
				0	saye	US	ige	



- The address can only be deleted, if there are no keys / IDs assigned to this address
- A key / ID can only be deleted, if there are no transactions for this key / ID

# 1.7.11 Manage Reseller

58

Company Name	SoftSe	l Inc.		Company Id					
Salutation / First Name	Mr. Ch	arles		E-mail	charles.max@softs	ell.cor			
Last Name		Max		Phone 1					
Academic Title				Phone 2					
Job Title				Language	English	\$			
Street Address 1	19 Bedford	Place		Website					
Street Address 2			Cu	istomer Number					
ZIP Code	WC1	3 5JA		Newsletter 1-4	2				
City	Lo	ndon							
State				Product Name					
Country	United Kingdom	\$		Custom Field 1					
Created	03/03/2012 12:0	8:03		Custom Field 2					
Created By	super			Modified	01/11/2012 16:	0:33			
				Modified By		dmin			
		Sav	e X Cance						
	ID 👫 Manual Pr	oduct Activation	Create a Seri	al Number Creat	e an Activation Key	Copy Licer	nse File		
P Assign a Key								_	-
List	<u>&gt;&gt;</u>								
List	≥≥ Product Name	Module ID	Кеу Туре	Effective Key / Usage		m Key / ID sage	Customer Name		
List	Product	Module ID PowerPoint Training	Key Type Serial Number						

Manage and administrate resellers and the keys / customers associated with an reseller.

# 1.7.12 Manage Users

The administrator can manage users which have access to the Activation Server 4.

<u>.</u>-

This option is only available if the user has <u>administrator</u> [59] privileges.

A list of all users is displayed.

nage Us	ge Users: Manage your users										Manag	e Activation	IS	
	5% New User													
	Username	First Name	Last Name	Alias	E-mail	Administrator	Manage Activations	Administration / Setup	Create Keys	Reports	All Products	Active	Language	Last Login
	<u>demo</u>		Demo	demo	info@mirage-systems.de	×	<b>√</b>	×	<b>«</b>	<b>√</b>	<b>√</b>	<b>«</b>	english	11/11/201 12:05:39
	demo-ge		demo-ge	ge	info@mirage-systems.de		<b>√</b>	×	<b>«</b>	<b>√</b>	×	<b>«</b>	german	10/07/201 15:22:56
	<u>mcn</u>	Tom	McNamara	тм	tom.mcnamara@mirage- systems.de	<b>v</b>	<b>√</b>	<b>v</b>	<b>√</b>	<b>√</b>	×	<b>√</b>	english	01/11/201 12:32:23

Se New User

Click on a user name to modify user details 62 or click on the button to add a new user 59.

### 1.7.12.1 Add new user

Press the data.

rivileges
strator Activations stration / Keys a to products

# **Login Data**

### Details

Last Name

Last name of the user

# **First Name**

First name of the user

### **Alias**

This name is used for documentation if the user modifies records and should be an abbreviation of the name

### **Username**

This is the name used for login 26

# **Other Data**

Details

<u>E-mail</u>

This E-mail address is used to resend a new password - see Forgot your Password?

### **IP-address**

Restrict the IP-address from which a user can login. Multiple IP addresses can be combined using a semicolon.

### Session timeout in minutes

After logging in, a user establishes a session with the Activation Server 4. Use session security to limit exposure to your network when a user leaves his computer unattended while still logged on. It also limits the risk of internal attacks, such as when one employee tries to use another employee's session.

You can control the session expiration time window for user logins. Session expiration allows you to select a timeout for user sessions. The default session timeout is 30 minutes of inactivity. When the session timeout is reached, users are automatically logged out.

### Last Login

Date / Time when the user logged in the last time. It is automatically updated.

### Language

Select the language of the user interface for this user.

### **User Privileges**

The Activation Server 4 allows to specify different user rights.

Details

Administrator

Right to manage users 58

### Manage Activations

Right to browse the Manage Activations Tab 38 (but not manage users)

Administration / Setup:

Right to browse the Administration / Setup Tab 86

**Create Keys** 

Right to browse the Keys Tab

**Reports** 

Right to browse the <u>Reports Tab</u> 34

**Active** 

The user is active and can log into the Activation Server 4

Click on the button a save the user data. Then assign products a to the user.

Click on the button Cancel to leave this screen without saving any data



- A user can always <u>change his password</u> and configure <u>user specific settings</u> within *Administration / Setup* but has no access to the other options
- <u>Access to products</u> [62] can be defined once the user was created.



- The password for a new user is empty. If the user logs in the first time he has to enter a password.
- New users cannot be added with the Basic Hosting package

#### **Activation Server 4**

#### 1.7.12.2 Modify user details

62

Click on the user name you want to edit in the Manage user [58] list view and modify the user data.

Modify	/ user:						Manage Activations
	Use the form below to o	create or modify use	r information.	🕹 User Setti	ngs	Change Password	S Customize Screen - Manage Activations
	Lo	gin Data		Other Data	Us	er data successfully saved User Privileges	
	Last Name *	McNamara	E-mail *	tom.mcnamara@mirage-		Administrator	
	First Name	Tom	IP-Address		•		
	Alias *	ТМ	Session Timeout in Minutes		☑	Administration / Setup	
	Username *	mcn	Last Login	2012-11-01 12:32:23	2		
			Language	English \$	2		
			Default product	\$		Access to products	
					In	All Products dividual Products	
			Save XC	ancel 🚨 Delete 🖉		t Password	

# Access to products

Only a user, which is an administrator, has access to all products by default. For all other users you have to select the products they can access.

- Check: All products if a user should have access to all products
- Click on the link Individual products to select one or more products the user can access

# **Default product**

If the user most often works with the same product, select a default product for this user. It is used as default value after the user logs in. The user can always select another product. Only products, which have been assigned to the user can be selected as a default product.

The administrator can also modify for this user:

- User Settings 99
- Change Password 100
- Set values to customize the Manage Activations Screen we screen

#### 1.7.12.3 Delete a user

To delete a user select the button *Delete* while editing the user data 62.

Modify user:					Manage Activations
Use the form below to	create or modify use	r information.	Ser Settings	s Change Password	Sustomize Screen - Manage Activations
Lo	ogin Data	or	ther Data	User data successfully saved	
Last Name*	McNamara	E-mail *	tom.mcnamara@mirage-	Administrator	
First Name	Tom	IP-Address		Manage Activations	
Alias*	ТМ	Session Timeout in		Administration / Setup	
Username *	mcn	Minutes Last Login	2012-11-01 12:32:23	Create Keys	
			English \$	<ul> <li>✓ Reports</li> <li>✓ Active</li> </ul>	
		Language Default product	trigiisn v	Access to products All Products Individual Products	
		Save X Car	ncel 🕵 Delete 🗖 R	Reset Password	

#### 1.7.12.4 Reset Password

To reset a password select the button *Reset Password* while <u>editing the user data</u> [62]. The password is now empty and the user has to select a new password after the first login.

Modify	/ user:						Manage Activations
	Use the form below to	create or modify us	er information.	🕹 User Settin	ngs	Change Password	S Customize Screen - Manage Activations
	L	.ogin Data	(	Other Data	Us	er data successfully saved User Privileges	
	Last Name *	McNamara	E-mail *	tom.mcnamara@mirage-		Administrator	
	First Name	Tom	IP-Address		2		
	Alias *	TM	Session Timeout in Minutes		☑	Administration / Setup	
	Username *	mcn	Last Login	2012-11-01 12:32:23	•		
			-		<b>√</b>	Reports Active	
			Language Default product	English \$		Access to products	
			Save X Ca	ancel 🚨 Delete		t Password	

### 1.7.13 TAB - Keys

Creating keys using the Activation Server 4 has a lot of advantages instead of using the Licence Generator.

- Multiple users can create keys
- Keys can be created from different locations
- Easy to user interface
- The key is stored in the Activation Server 4 and each key can be assigned to a customer and reseller
- The project template, which includes the encryption keys, is not accessible

After having bought the product, the customer is provided with a Serial Number which is the 'proof of purchase' and is unique.

There are different ways to create a Serial Number

- Create one single Serial Number 64
- Create a Key List

See also Add a key on the Activation Server 4 Create an Activation Key 80 Create a Serial Number 64 Manual Product Activation 69

#### 1.7.13.1 Create a Serial Number

Select Keys, Create a Serial Number.

Create a Seria	al Number	Serial Num	ber Key Options	
Product Name *	Easy-Go Application	Is Locked		
Module ID	E-Learning Made Easy (QHD001)	Aaximum Key / ID Usage		1
legistered Customer Name		🌡 🐊 🛛 External Group		
er of days until Unlock Key		External ID		
has to be used		Reseller	•	2
Number of Computers for network license:		1 Note	•	
Number of desired Serial Numbers	1	\$		
		Generate key details		h

Create a Serial Number

**Basic Information for a Serial Number** 

### **Product Name**

Picklist to select the product.

### Module ID

This option is only available, if you have multiple modules, which are activated with a Serial Number. The configuration, which module is a Serial Number, is done in the project configuration, entry  $\frac{|sSerial|^{201}}{|sorial|^{201}}$ .

### **Registered Customer Name**

You can assign a Serial Number to a customer.

Click on the icon & to search for a customer. It should open a new window. If it does not open, disable the pop-up blocker for this site.

To search for a customer, type in the company or user name and click on  $\swarrow$ . You can also add a new customer address by clicking on **New Address.** 

00	Auswahl							
* you can search for customers by	/ first name, last name	e, company name	or customer number					
smart inc. c								
Address New Address								
Company Name Name Customer Number								
Smart Inc. Com	Peter Hanks							

### Additional days after applying Serial Number

If activation by E-Mail, fax or phone is used, there is a time difference between applying the Serial Number key and sending the <u>Unlock Key</u> [69]. To allow the customer to use the product after applying the Serial Number, add a few days (typically 2-5 days) which are included in the Serial Number.

### Number of days until full version expires

If the license is a time **limited full version** (subscription license), there are 2 options to specify the time limitation

- *Number of days until the full version expires* the time counter starts when the user types in the Serial Number
- Expiry Date when the full version expires the license will always expire at this date

#### Create a Serial Number

Product Name *	Easy-Go Application	÷	
Module ID	Update Subscription (QHD004)	¢	
egistered Customer Name			&
Number of days until full version expires:			
Expiry Date			
Number of desired Serial Numbers	1	\$	

hardware codes (see example 1). The installation codes to allow a reinstallation are optional.

Developer Info

This option is only available if the workflow is defined as time limited full version

### Number of users / PCs / concurrent users / items

If a network license is used (more then 1 license per PC / user / concurrent user), the number of PCs / users / concurrent users can coded in the Serial Number. If the user buys later more licenses, send him and Additional Key [80].

This value overwrites the existing value in the license file. If you have an evaluation version with 5 users and the Serial Number includes 1 user, this results in a license for one user after applying the Serial Number.

### Number of desired Serial Numbers

Select how many keys should be generated. If you have more than 25 keys, then use the button Create Key List. It will save all keys in a text file, It will save all keys in a text file which is automatically downloaded. See also: Key List

# **Serial Number Key Options**

You can select additional options.

### Is Locked

Check if the Serial Number should be locked by default. Before the user can activate the product, you have to unlock it in the Edit Key 47 screen.

### Maximum Key / ID usage

Defines how often a Serial Number / ID or Activation Key **could** be used. The default value can be changed in the product configuration screen.

### **External Group**

ID to sync the data with another database, e.g. CRM or ERP system

### **External ID**

ID to sync the data with another database, e.g. CRM or ERP system

### Reseller

Add a reseller to the Serial Number. All reports can then done by reseller.

Click on the icon & to search for a reseller. It should open a new window. If it does not open, disable the pop-up blocker for this site.

To search for a reseller, type in the company or user name and click on  $\checkmark$ . You can also add a new reseller by clicking on **New Address.** 

00	R	
* you can search for customers b smart inc. c New Address	y first name, last nam	e, company name or customer number
Company Name	Name	Customer Number
Smart Inc. Com	Peter Hanks	

Note

A text note can be added to each key. Keys which have a note, will appear in a key list with the icon

### 68 Activation Server 4

### Generate key details

You can add an additional description when a key is generated. This is useful when the user gets the key on paper.

GPcoX-35dA8-C8Gch-2Xd7C-5Pn1Q-AfiCL In block 1 at position 4 it reads the small letter o

# **Generating a Serial Number**

Click on the button a Create Key to create or more screens the Activation Key.

The key is displayed in the bottom left corner.

#### Serial Number

goGEM-5IPb6-9E7Ia-3tQ8X-xQU5k-6Li4x

Greate Key

Click on the button a text file.

Click on the button X Cancel to leave this screen without saving any data

# **Video - Creating Serial Numbers**

This video explains different ways how to create a Serial Number.



1.7.13.1.1 Key List / Save keys in a file

If you have only a few installations to manage, it is sufficient to generate the Serial Number on a one-by-one basis manually. In case of a large volume delivery like hundreds of CD's, a key list is necessary. The key list file would then be sent to the CD duplication company. Online Shops that do not support an integrated generator often support the upload of a key list.

Number of desired Serial Numbers

Select how many keys should be generated. If you have more than 25 keys, then use the button a <u>Create Key List.</u> It will save all keys in a text file which is automatically downloaded.

Sample: RZ9UZ-I1CC9-9Ah7v-GZ97n-gd18N-a21Fa 6F9UA-I1CC9-9Ah7e-GZ97n-Id18N-a71FJ S79Uf-I1CC9-9Ah7a-GZ97n-Qd18N-ak1FP



The key list can e.g. be sent to e-commerce providers or can be printed on the cover of the CD/DVD.

#### 1.7.13.2 Manual Product Activation / Create Unlock Key

Select Keys, Manual Product Activation.

This page allows you to create an **Unlock Key** in case an automated product activation is not possible. The user sends an activation request by **E-Mail** or **Fax** or calls on the **Phone**. This process also prevents, that the Serial Number or ID can be used multiple times. The manual product activation is only available for Windows products.

To create an Unlock Key you need at least:

- Product Name
- Customer Name
- Serial Number
- One or more hardware lds

Start with filling out the left column of the screen. Required values are marked with a red



### Create Unlock Keys

### **Product Name**

Picklist to select the product.

### Module ID

This option is only available, if you have multiple modules, which are activated with a Serial Number.

Developer Info

The configuration, which module is a Serial Number, is done in the project configuration, entry <u><lsSerial></u>[201].

### **Customer Name**

Name of the customer. You can search for a customer by clicking on the icon 4.

Either select an **existing** customer from the list, **search** for a customer and click on  $\sim$  or **add** a new customer by clicking on  $\sim$  <u>New Address</u>

\* you can search for customers with firstname, lastname, company or customer number

A New Address			-
Company Name	Name	Custom	er Number
AllAbout Software Inc	Ryan Meyer		
Marc Smith			
Smart Inc			

You can remove a selected customer by clicking on the icon 🎄

# **Serial Number / ID**

Click on the icon *F* to search for Serial Numbers. The search only displays Serial Numbers for the **selected product** and only Serial Numbers, which have **not been used before**. If a product does have multiple modules (features) you have to select the correct module ID.

By default you get all Serial Numbers of the selected customer.

* you can search for keys with a key	substring or customer infor	mation like firstname	, lastname, company	or customer r	umber	2
Product Name Easy-Go App	lication for MAC 💠					•
⊖All Keys ⊙Unused Keys						
Key / ID	Product Name	Module ID	Company Name	Reseller	Effective Key / ID Usage	Maximum Key / ID Usage
niFdF-17IEF-A1I8r-9Wk7X- vemDQ-D9k87	Easy-Go Application for MAC	E-Learning Made Easy	AllAbout Software Inc			3

# **Registered Customer**

This information is only necessary, if one Serial Number can be used on multiple computers. Type in the name of the user who registers the license.

# Activation done by

Select how the customer sent you the unlock request - E-mail, Fax or Phone.

# **OEM Name**

In case the license should be registered for an OEM partner, add his name here.

### **E-mail**

E-mail address of the customer

### Reseller

In case the license should be registered for a reseller, click on the icon  ${\Bbb A}$ 

Either select an **existing** reseller from the list, **search** for a reseller and click on  $\swarrow$  or **add** a new reseller by clicking on  $\clubsuit$  <u>New Address</u>

# Version

Version number of the application

# Note

Attach a note. The note will be attached to the Serial Number.

# **Checkbox Copy Protection**

Uncheck this option if you want to create an Unlock Key without enabling copy protetion.

# Installation Code / Hardware IDs

The installation codes / hardware IDs are part of the E-mail or Fax. If the user calls, you have to ask for the installation codes on the phone.

The text and the **red and blue bars** can vary depending on the configuration of the product.
	Installati	on Codes (Hardware IDs)			ou have to specify at le	east one of the red marked
	installation codes. Any further installation reactivation, are optiona	I.		If	you want to allow rea	ctivation, type in the fields which are marked
	installation codes.	ivation, type in at least 3	Туре	in t	he Hardware IDs / Ins	stallation Codes here
insert i	nstcode(s) here		1		Volume ID	
1	Volume Id		2		MAC Address	
2	MAC Address		-			
3	Hostname		3		Hostname	
4	NetBIOS Name		4		NetBIOS Name	
5	Volume Id + Path		5		Volume ID + Path	
6	MAC Address + Path		6		MAC Address + Path	
7	IP Address		7		IP Address	
8 9	Code 1,2,3 + Path		8		Code 1,2,3 + Path	
9 10	Code 1,2,3 Hostname + Path		9		Code 1,2,3	
10			-			
	Windows Domain		1	0	Hostname + Path	
13			1	1	USB-Stick	
14	-		1	2	Windows Domain	
	nae oystem 10		1	3	System ID	
Exa	mple one - react	tivation with any 3	IDs	4	MAC System ID	

Example 2 - reactivation code indicated with blue bar

A **red bar** indicates an installation code which is used for copy protection. You have to provide at **least one hardware ID which is marked with a red bar.** 

A **blue bar** indicates an installation code which is used to allow a reinstallation on the same computer (see example 2 above). Another way to handle reinstallations is that you have to provide a specific number of hardware codes (see example 1). The installation codes to allow a reinstallation are optional.

■ Developer Info The values from the project configuration file - <u>InstCodeType1-n</u>[201], <u>MinIdenticalInstcodes</u>[202] and <u>CheckInstCodeType1-n</u>[197] - are used

Click on the button and the **Create Key** to create the Unlock Key.

The key is displayed in the bottom left corner.

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----	------------	----------

#### Unlock Key

3YDsl-ICq93-jS5Pq-4UMFt-ZKDia-6Q1kk

Click on the button X Cancel to leave this screen without saving any data



You can automate the E-mail activation process using the E-mail Activator Service



#### See also

<u>Create Unlock Key using E-Mail Activator Service</u> <u>Create Unlock Key using a Web Page</u> 74

1.7.13.2.1 Create Unlock Key using E-Mail Activator Service

Activation Requests by E-Mail can be automatically replied.

Details see E-Mail Activator Service

1.7.13.2.2 Create Unlock Key using a Web Page

If the user has no Internet connection on his PC, he could use another PC to create an Unlock Key.

# **Configuration settings**

To use this feature you have to:

- Upload the Serial Numbers to the Activation Server 4. Either import a <u>complete key list</u> [30] of Serial Numbers or create one <u>single Serial Number</u> [64]
- Configure the Activation Server 4 that only keys are accepted, which are already stored in the database. Check: <u>Serial Number has to be saved before it can be used</u> [93] (product template: <u>EntryRequired</u>) [93] in the product configuration
- Configure the <u>security settings</u> so that the key generator can only be used from a specific IP address or use a password
- Configure how many <u>requests per minute</u> are allowed to block a possible SPAM attack

# **Source Code integration**

There is no standard screen available. Just display the hardware ID(s) on the screen including an explanation, how the user can retrieve the Unlock Key on another PC. Use GetInstcode to retrieve the hardware ID(s).

### **Web Page**

Create a Web Page where the user can type in at least the following information:

- Serial Number / ID
- Name
- e-mail address
- Installation Code / Hardware ID

If you want to allow a reinstallation on the same PC, the user would have to type in several installation codes

Use the following http command to create the Unlock Key and display the key on your web page

http://servername/lpweb/ KeyGenerator.aspx?	
projectname=demo- easygo&	project name defined in the project template
entrykey=LNGEG-5IPc6-	'Serial Number / ID
9E7lm-3tQ8X-MQU5k- 6ii4W&	
instcodetype=3&	'Installation Code / Hardware ID used for copy protection. This has to match with <u>Selected IDs for initial activation</u> bill in the product configuration (product template: InstCodeTypex)
instcode=170D9F7C& requesttype=2&	'8 digit hardware ID 'must be 2
moduleid=QHD001&	'module ID defined in the project template. Normally this is the main module ID.

customername=Smart	'name of the user
Inc.&	
email=tom.hanks@smar	t'e-mail address of the user (optional)
inc.com	
oemname=mycompany&	I hame of the manufacturer of the product. This information is
	stored on the Activation Server 4 (optional)
allkeys=true&	'If multiple Unlock Keys are generated, you can display only the
	first or all. For Easy-Go use true (optional)
password=ycnsjldsd78z	'password - see security settings. The IP address is
9h	automatically sent with the request to the Activation Server 4

Click on the link below to create an Unlock Key on the demo Activation Server 4. It will accept the same Serial Number multiple times as the hardware ID is always the same. The Unlock Key will work only on the PC with this hardware ID.

https://registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demoeasygo&entrykey=LNGEG-5IPc6-9E7Im-3tQ8X-MQU5k-6ii4W&instcodetype=3&instcode=170D9F7C&requesttype=2&moduleid=QHD001&custo mername=Smart Inc.&email=tom.hanks@smartinc.com&oemname=mycompany&allkeys=true&password =ycnsjldsd78z9h

# **Multiple Installation Codes**

If reinstallation on the same PC should be supported, then the user has to type in multiple installation codes. The number of installation codes required depend on the settings defined in product configuration -<u>Selected IDs for reactivation</u> [95] - (product template: <u>CheckInstCodeTypex</u>) [93].

If you want to pass multiple installation codes, you have to send ALL possible codes. This version of <%OEMTITLE%> supports 14 different codes.

You have to omit the value instcodetype and provide **all** 14 installation codes separated with a **semicolon.** If for the reinstallation e.g. only 3 hardware IDs are required, the others can be left blank.

https://registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demoeasygo&entrykey=LNGEG-5IPc6-9E7Im-3tQ8X-MQU5k-6ii4S&instcode=170D9F7C;E1266C60;;CB433287;;;;;;;;&requesttype=2&moduleid=QHD 001&customername=Smart Inc.&email=tom.hanks@smartinc.com&oemname=mycompany&allkeys=true&password =ycnsjldsd78z9h\_

For a complete list of all parameters see <u>Create Keys by external applications</u> [82]

#### 1.7.13.3 Add a key on the Activation Server

#### Select Keys, Add a key on the Activation Server.

Save a single Activation Key or ID			=Required Information
Product Name:	demo-easygo	-	
Key Type:	Serial Number / ID / Product Activation	-	
Module ID:	Main Module of EasyGo Demo (QHD001)	•	
Key / ID:	ReDER-5CP93-9E4lf-3tM8X-tQD5k-6Y14S		
Is Locked:			
Maximum Key / ID Usage:			
Regular license check (days):			
External Group:			
External ID:			
Note:		*	
		+	
sa	ve 🗖 Save and goto key details 🛛 🗙 🤇	<u>Cancel</u>	

Add a key on the Activation Server

This page allows you to save an Activation Key or ID which was created using the Licence Generator. This is necessary if default parameters like Maximum Usage should be set to a special value for the specified Activation Key or ID before it is used. You can also lock a key / ID if it was not already used.

If you create a key using the Activation Server 4, you can create and save the key in one step - use Create An Activation Key [80], Create a Serial Number [64]

Add a Serial Number / ID

**Product Name** 

Picklist to select the product.

Key Type

Picklist to select the type of Key / ID.

For a <u>Serial Number</u> [26] select Serial Number / ID.

### Module ID

This option is only available, if you select as Key Type = Serial Number and you have

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multiple modules, which are activated with a Serial Number. The configuration, which module is a Serial Number, is done in the project configuration, entry  $\frac{|sSerial|}{|u||}$ .

### Key / ID

Unique ID which you use for product activation. If you use Serial Numbers for product activation, type in the **Serial Number** here.

### **Is Locked**

You can lock a Serial Number or Activation Key before it is used. Just check this option

### Maximum Key / ID usage

Overrides the default value, how often a key can be used or product can be activated. See configuration for Serial Number / ID [202], Activation Key [203]

#### Example

If you want to hand-out one Serial Number to a company, which could be used on 50 different PCs, then add the value 50. This setting is valid only for the specified key.

### **Check License Days**

If your application has implemented the feature to make regular online checks, you can specify the next time interval after the initial online check

### **External Group**

Internal database filed which can be used to link to another database like CRM or ERP system.

### **External ID**

Internal database filed which can be used to link to another database like CRM or ERP system.

#### Note

Specify a note which is attached to the key. In a report or list, the icon *icon* indicates, that there is a note stored for a key / ID.

#### Add an Activation Key

### **Product Name**

Picklist to select the product.

Key Type

Picklist to select the type of Key / ID.

For all keys, which are not a Serial Number, select Activation Key.

### **Activation Key**

Type in the Activation Key which should be stored.

### **Is Locked**

You can lock a Serial Number or Activation Key before it is used. Just check this option

### Maximum Key / ID usage

Overrides the default value, how often a key can be used or product can be activated. See configuration for Serial Number / ID [202], Activation Key [203]

#### Example

If you want to hand-out one Serial Number to a company, which could be used on 50 different PCs, then add the value 50. This setting is valid only for the specified key.

### **Check License Days**

If your application has implemented the feature to make regular online checks, you can specify the next time interval after the initial online check

### **External Group**

Internal database filed which can be used to link to another database like CRM or ERP system.

### **External ID**

Internal database filed which can be used to link to another database like CRM or ERP

system.

### Note

Specify a note which is attached to the key. In a report or list, the icon *indicates*, that there is a note stored for a key / ID.

Click on the Link **Save** to store the key.

Click on the Link **Save and Display data** to store the key and display detail information - screen Edit an Activation 47

Click on the Link X Cancel to leave this screen without saving any data



If you need to add multiple keys, use the Import all option

#### 1.7.13.4 Create an Activation Key

Select Keys, Create an Activation Key.

Create an Activation Key	standard 🗸	=Required
Product Name:	demo-easygo	<b>~</b>
Module ID:	Main Module of EasyGo Demo (QHD001)	•
Installation Codes (Hardware IDs):	Without Copy Protectio -	
Number of Computers:	1	
Number of days to evaluate:		
Expiry Date:		
Online validation required:		
Store Key in Activation Server		
🖬 <u>Cre</u>	eate Key 🗱 <u>Cancel</u>	
C	reate an Activation Kev	

This page allows you to create an additional key - e.g. prolong a trial version or add a network license.

### **Product Name**

Picklist to select the product.

### Module ID

This option is only available, if you have multiple modules. By default, all modules which are used for the Serial Number, are available. The configuration is done in the project configuration, entry <u><lsSerial></u>[201].

### Installation Codes (Hardware IDs)

If you expect, that the user does not have an Internet connect, you can add the 8 digit hardware ID, which was used for copy protection. If the user has an Internet connection, select the option: *Online validation required* to ensure, that the key cannot be used multiple times.

### Additional Licenses - Increase Network Licence

If a network license is used (more then 1 license per PC / user / concurrent user) or a counter, the number of PCs / users / concurrent users / counter can be increased or decreased by sending an Activation Key to the customer.

his key adds the selected number of licenses to the existing value in the license file. If you have an existing license with 5 users and the additional license includes 2 users, this results in a license for 7 users after applying the key.

# **Prolong Evaluation Version**

The next option is to prolong an existing trial period. Make an Activation Key with:

- additional licenses = 0
- either select: Number of days to evaluate or End of Evaluation

### **Online validation required**

If checked, the Activation Key is sent to the Activation Server 4 before it is applied. It is stored in the database. If the Activation Server 4 detects that the key was already used, it will block the key.

### **Store Key in Activation Server**

If checked, stores the Serial Number in the Activation Server 4.

You can configure, that this option is always enabled and the user cannot uncheck the option - see option < StoreKey>

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Click on the Link a <u>Create Key</u> to create the Activation Key.

The Activation Key is displayed. You can directly send the key via E-Mail by clicking on the link: <u>Send E-Mail to customer</u>.

Click on the Link X Cancel to leave this screen without saving any data

#### 1.7.13.5 Create Keys by an external applications

External applications like a shop system or ERP / CRM system can create any type of keys using an http request to the Activation Server 4.



You should only create keys **after specifying an IP address** to limit key generation for a specific server, limit the number of keys which can be generated per minute / hour and additionally use a password - details see <u>security settings.</u>

You can create different types of keys:

- Serial Number key
- Unlock Key e.g. by activation through a web page 74
- Activation Keys e.g. prolong a trial version or add additional network licenses

The URL consists of 2 parts:

Part 1 - URL to the server and web page - e.g. <u>http://www.registerserver.net/lptest/</u> lpweb/KeyGenerator.aspx?

Part 2 - Parameters to specify the key details

Parameter	Values	Example	Remark
projectname *	project name from the project template	demo-easygo	
entrykey			
instcode			
instcodetype			
requesttype *	1 = activate module, 2 = create a Serial Number or Unlock Key, 3 = create an Activation Key	22	serial number: Must be 2
moduleid *	module ID from the project template	AHD001	
customername	customer name assigned to the key	AllAbout Software	
email	E-mail address assigned to the key		

\* = required parameters

			Activation Server 83
Parameter oemname	Values	Example	Remark
allkeys	true / false	true	
additionaldays		100	
additionallicenses	0-2147483647	1	value for network license. For single user it should be set to 1. Only use this value for Serial Numbers
externalgroup			
externalid			
reseller			
numberofkeys	number of keys to create	1	
maxtries	maximum key / ID usage	2	number of computers the key can be used
stroeindb	true / false Default: false	true	store the key= true or only create the key = false
islocked	true / false Default: false	false	lock a key so that it only can be used once it was unlocked
additionalKeyValue	0-2147483647	1	value for network license. For single user it should be set to 1. Only use this value for Activation Keys. The value will be added to an existing value in the license file
additionalKeyValueFix ed	true Default: false	true	true = <b>overwrite</b> existing value in the license file using the value from additionalKeyValue false = <b>add</b> to the existing value in the license file using the value from additionalKeyValue
expiryDate	YYYY-MM-DD	2013-01-25	Expiry Date
numberOfDays	0-2147483647	10	value for days. Starts when the user applies the key. The value will be added to an existing value in the license file
numberOfDaysFixed	true Default: false	true	true = <b>overwrite</b> existing value in the

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Parameter	Values	Everne	Remark
Parameter	values	Example	Icense file using the value from numberOfDays false = <b>add</b> to the existing value in the license file using the value from numberOfDays
onlineValidationRequired	rtrue / false	false	serial number: Must be false
demoversion	true / false	false	
regularLicenseCheck s	true / false		
unlimitInstallations	true / false	true	serial number: Must be true
activationState	0 = none, 1 = required, 2 = done, 3 = erroneous		serial number: Must be 1
isSerianumber	true / false	true	serial number: Must be true
typeofrequest *	1 = check key 2 = activate 3 = acknowledge 4 = check licence 5 = deactivate licence 6 = send customer info 21 = serial number 22 = product deactivated 31 = initialize licence	2	serial number: Must be 2 Activation Key: Must be 3
password	Password - see security settings	ycnsjldsd78z9h	highly recommended to use a password

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You have to use the method GET (not POST) for the http request

## **Example URL**

The URL below creates a Serial Number 64

https://www.registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demoeasygo-

40&entrykey=&instcodetype=&instcode=&requesttype=MA&moduleid=QHD001&custome rname=AllAbout%20Softtware%

20Inc&email=&oemname=&allkeys=true&additionaldays=&additionallicenses=1&external group=&externalid=&reseller=&numberofkeys=1&maxtries=&storeindb=true&islocked=&a dditionalKeyValue=&additionalKeyValueFixed=&expiryDate=&numberOfDays=&numberOf DaysFixed=&onlineValidationRequired=&demoversion=&regularLicenseChecks=&unlimitInstallations=true&activationState=1&isSerialnumber=true&typeofrequest=2

The URL creates an Unlock Key

https://registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demo-easygo-40&entrykey=LNGEG-5IPc6-9E7Im-3tQ8X-MQU5k-

6ii4S&instcode=170D9F7C;E1266C60;;CB433287;;;;;;;;&requesttype=2&moduleid=QHD 001&customername=Smart

Inc.&email=tom.hanks@smartinc.com&oemname=mycompany&allkeys=true&password =ycnsjldsd78z9h

More details about Unlock Key generation 74

The URL creates an Activation Key 80

https://www.registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demoeasygo-40% optrukov\_% instandet upa\_% instande\_% reguestty upa\_2% modulaid\_OHD001% oustom

40&entrykey=&instcodetype=&instcode=&requesttype=3&moduleid=QHD001&customern ame=AllAbout%20Softtware%

20Inc&email=&oemname=&allkeys=true&additionaldays=&additionallicenses=1&external group=&externalid=&reseller=&numberofkeys=1&maxtries=&storeindb=true&islocked=&a dditionalKeyValue=&additionalKeyValueFixed=&expiryDate=&numberOfDays=&numberOf DaysFixed=&onlineValidationRequired=on&demoversion=no&regularLicenseChecks=&un limitInstallations=true&activationState=done&isSerialnumber=false&typeofrequest=3&pas sword=ycnsjldsd7829h

# **URL encoding**

Umlauts and special characters in text values have to be encoded (e.g. replace a space with %20). Most developer tools automatically do the encoding. Example how to encode a URL

Help to create the URL

Use the link below. It provides a web page to type in the necessary values and then creates the URL.

https://www.registerserver.net/lptest/keygeneratordemo.htm

#### **Activation Server 4**

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### 1.7.14 TAB - Administration / Setup

The Administration / Setup menu offers administration tasks like create Serial Number or Unlock Key, import data, customize screens, set default values or manage users.

- Create Keys 63
- Download Database Backup
- Download Server Log file 88
- Import data 88
- E-Mail Settings 92
- E-Mail Configuration 92
- Manage Users 58
- Configure User Settings 99
- Security Settings 101
- <u>Restart Activation Server</u>

#### 1.7.14.1 Company Information

This screen allows you to customize the layout with your logo and to activate the license of your Activation Server 4. Depending if you run your own server or if you are a hosting customer the information on the screen is different.

Company Information Typeshy pair company name and other Tanga	Activation Server 4	
On the form below to specify your company information.	Home Reports Manage Activations Keys Administration / Setup	Tom Sullives
Company Information Apply Key		1997.
Company Hame Minut Company Systems Kay	Company Information: Specify your company name and other things	Administration / Setup
Server line core and all and the server.		
Activation Server Windows Activation Server Mac	Use the form below to specify your company information.	
Athenias Mate animated Activation Mate news		
foainy bete 23/07/2014	Company Information	
😝 Serv 🛛 💥 Cancel	Company Name Mirage Computer Systems	
	Company Logo Choose Tile no file selected	
	Hosting Package Package S1	
Running an own server	Hosting Package 'Package S1' (100 Transactions / Month)	
	Heating ID 55604761	
	Hosting valid from 1/4/2014	
	Hosting valid to 1/7/2014	
	Server time zone (UTC) Coordinated Universal TI ()	
	Activation Server Windows Activation Server Mac	
	Activation State activated Activation State activation	ed
	Gaseel 38 Caseel	
	Hosted Server	

# **Company Logo**

Select an image and upload it using the button 🗣

# **Hosting Information**

*Hosting Package:* Your hosting package and the included <u>transactions</u> per month. *Hosting valid from / to*: Period how long the hosting is valid

You can monitor the usage of the hosting package in the dashboard 31.

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Server time zone

Time zone of your server

# **Activation Server Windows and Mac**

After the installation, the Activation Server 4 is in a time limited trial mode. If you bought the Activation Server 4, you got a **Serial Number** either for the Windows or MAC version.

• Type in the Serial Number in the field: **Apply Key** and click on & to activate the license.

Company Information: Specify you	ir company name and other things		Į C	Administration / Setup
Use the form below to spe	cify your company information.			
Com	pany Information	Appl	у Кеу	
		ę –	C6bEx-4qh9N-ZgU1c-AB1C9×	]
Activation State Expiry Date		Activation State Expiry Date	none 13/07/2014	
		Save X Cancel		

- Activation State: Activated means that the license is active and valid
- If it is a trial version an expiry date is displayed
- Once the license is expired an online activation is no longer possible

Company Information	n: Specify your company name	e and other things			Administration / Setu
Use the form l	pelow to specify your compa	ny information.			
	Company Inform	ation	Apply I	(ey	
Com	pany Name Mirage	Computer Systems	Key	4	8
	npany Logo r time zone (UTC+01:00) Belgr	Browse 💡			
	Activation Server		Activat	ion Server Mac	
Activ	vation State	activated	Activation State	none	
			Expiry Date	13/07/2014	



If you are a Hosting user, your license is already activated.

#### 1.7.14.2 Download Database Backup

A database backup is made on a daily basis. You can download the latest database back here. The database used is MS-SQL Server version 2005.



This download option is only available for Hosting customers.

#### 1.7.14.3 Download Server Log file

In case of an error you can download the latest log file. You will find more detail information of an error including a comprehensive log of each activation in the log file. A log file is archived when it has reached a configured size (default 1MB). All other logfiles can be access on the folder ...\logs

#### 1.7.14.4 Import

Use this functionality to import a Serial Numbers / IDs or Activation Keys in a batch process from a CSV file into the Activation Server 4. It is only necessary if you want to **restrict keys or activation to records, which must be preloaded** on the Activation Server 4 or if you want to lock keys, which have not been used.

- Import a list of <u>Activation Keys</u>
- Import a list of <u>Serial Numbers / IDs</u> 90
- Import one single Serial Number / ID or Activation Key 92

#### 1.7.14.4.1 Import a list of Activation Keys

To import a key list, you need a valid CSV file (separator = ;) with Activation Keys and as a column heading <u>Entrykey.</u> 23 You can additionally import a status for each key: **IsLocked**, **MaxTries** (= <u>Maximum Key / ID Usage</u> 24), **CheckLicenceDays**, **ExternalGroup** and **ExternalID**. ExternalGroup and ExternalID are reference fields for your internal use, e.g. to map the record to a CRM system.

#### Entrykey

MEc4Q-64Dn4-8EH9Q-FW6D0-HhlBO-0uiEu XXc46-64Dn4-8EH9P-FW6D0-YhlBO-0niEl u5c4v-64Dn4-8EH9r-FW6D0-RhlBO-0QiEU

# Attention should be paid to

- If a column is missing (e.g. Maximum Key /ID Usage) then the default value is used
- IsLocked must be either True or False. See How to lock a Serial Number / Activation Key 213
- The column *EntryKey* must be available, all other values are optional
- If you specify a column, it must contain a value and may never be empty
- You can import keys always only for one project at a time



Use this functionality to import data from a csv-file. Fields available for import are: ModuleID, Entrykey\*, IsLocked, MaxTries, CheckLicenceDays, ExternalGroup and ExternalID.

- 1. Export your data into an csv-file(use ')' as separator).
- 2. Review your data correct data to be accurate, and make sure that the field names are written correctly.
- 3. Start the import

Import		Required Information
Product Name: Importlist Type:	demo-easygo   Activation Key  Durchsuchen	
Start	Cancel	
	The second Astic seties Karse	

Import Activation Keys

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#### Select

- Project Name: Select the product, for which you want to import an Activation Key
- Importlist Type: Activation Key
- Click on the file select button to select your CSV file

and press the button Start

See <u>Accept only uploaded Activation Keys</u> [210] how to configure this feature.

All imported keys can be viewed within <u>Manage Activations</u> [38], select <u>Key List</u> [46]. As *Created Date,* the date of the import is used.

1.7.14.4.2 Import a list of Serial Numbers / IDs

To import a list of Serial Numbers / IDs, you need a valid CSV file (separator = ;) with Serial Numbers and as a column heading <u>Module ID</u> 24 and <u>Entrykey</u> 23 You can additionally import a status for each key: *IsLocked*, *MaxTries* (= <u>Maximum Key / ID</u> Usage 24), *CheckLicenceDays, ExternalGroup* and *ExternalID*. ExternalGroup and ExternalID are reference fields for your internal use, e.g. to map the record to a CRM system.

The EntryKey is the criteria you use during product activation as the unique ID and this criterion is checked if it exists on Activation Server 4.

Entrykey	ModuleID
MEc4Q-64Dn4-8EH9Q-FW6D0-HhIBO-0uiEu	D1001
MEc4Q-64Dn4-8EH9Q-FW6D0-HhIBO-0uiEA	D1001
MEc4Q-64Dn4-8EH9Q-FW6D0-HhIBO-0uiEB3	3 D1001



Use this functionality to import data from a csv-file.

Fields available for import are: ModuleID\*, Entrykey\*, IsLocked, MaxTries, CheckLicenceDays, Ex

- 1. Export your data into an csv-file(use ')' as separator).
- 2. Review your data correct data to be accurate, and make sure that the field names are  $\boldsymbol{v}$
- 3. Start the import

😼 Import			
Product Name: Importlist Type:	flash-demo Serial Number / ID / Product Activation	• •	
	Durchsuchen		
Start	Cancel		

Import Serial Numbers / IDs

# Attention should be paid to

- If a column is missing (e.g. Maximum Key /ID Usage) then the default value is used
- IsLocked must be either True or False. See How to lock a Serial Number / Activation Key [213]
- The column EntryKey and ModuleID must be available, all other values are optional
- If you specify a column, it must contain a value and may never be empty
- You can import keys always only for one project at a time

#### Select

- Project Name: Select the product, for which you want to import an Activation Key
- Importlist Type: Serial Number / ID / Product Activation
- Click on the file select button to select your CSV file

and press the button Start.

See <u>Accept only uploaded Serial Numbers / IDs</u> 10 configure this feature.

All imported keys can be viewed within Manage Activations 38, select Key List 46. As

Created Date, the date of the import is used.

1.7.14.4.3 Import one single Serial Number or Key

To import just one single Serial Number or Activation Key, use Add a Key on the Activation Server [77].

#### 1.7.14.5 E-mail Settings

If a users forgets his password, the Activation Server 4 can automatically send out a new password. See option: Forgot your Password 27?

SMTP-Server

- SMTP Servername: The name of the outgoing E-Mail server e.g. smtp.myserver.de
- Server Port number. Port to use for outgoing e-mails
- Account: Your account name
- Password: Password for the account
- Address of sender: This is the E-Mail address the user will see as sender E-Mail address in the E-Mail

# Sermail settings

SMTP Servername:		smtp.myserver.de
Server Port number:		
Account:		admin@registerserver.net
Password:		•••••
Address of sender:		admin@registerserver.net
	🖥 <u>Save</u>	X Cancel



This configuration option is **not** available for Hosting customers, as a predefined E-Mail account is used.

#### 1.7.14.6 E-Mail Configuration

Hosting customers can download the tool to configure the automatic E-Mail response for activation by e-mail. For configuration details see chapter: <u>Configuration of the E-Mail</u> <u>Activator Service.</u>

This download option is only available for Hosting customers. If you run your own server, the configuration program comes with an own installation package.

#### 1.7.14.7 Product Configuration

Use this page to configure your products.

The product configuration is automatically uploaded if you use the *TAB Activation Server*, **Update project on the Activation Server** within Licence Protector application.

This option allows you to overwrite the default settings and fine tune your product settings.

Product Cont	figuration		
Select Product	EasyGO 40 \$	Product ID	demo-easygo-40
Product Name	EasyGO 40	Validate Activation Keys	
Always save a key		Maximum Activation Key usage	1
Validate Serial Number/ID	2	Serial Number/ID has to be saved before it can be used	
Maximum Serial Number / ID usage (how often can a Serial Number / ID be used)	1	Ignore single user IDs for reactivation	
Selected IDs for initia activation		Selected IDs for reactivation	Available IDs for reactivation
13 4 1	2 3 5 6 7 8 9 10 11 12 14	2 1	3       4       5       6       7         8       9       10       11         12       13       14
Allow new	٢	Rule for mapping addresses	An activation updates exis 🛊
installation/reactivation		Number of keys to unlock product	1
Regular license check (days) Allow multiple license files per ID	1	License file upload overwrites server license file	
License file default name	demo-easygo-40	Generator Name	AutoLicGenerator.exe
Path to Key Generator	d:\wwwroot\lptest40\lpweb\al	Maximum time difference between server / customer PC	1440
Workflow Configuration File	config-activationserver-demo-	in minutes	

# Selected IDs for initial activation

Define the hardware IDs which should be used for **copy protection**. Just click on an ID in the column *available IDs* and drag it to the column *Selected IDs*. Setting in .config file:

#### 94 Activation Server 4

#### InstCodeType1-n 201

The **first** hardware ID will be used. Only if the first hardware ID is not available, the second ID will be used.

Details see chapter Copy Protection and Reactivation 95

### Allow new Installation / Reactivation

In case the user should be able to reinstall the software on the same computer, define the hardware IDs which should be used to identify a computer. The IDs from the product activation will be compared with the IDs of the new activation request.

This option is only activated if **Allow new installation / reactivation** is checked. Setting in .config file: <u>AllowReactivation</u>

Details see chapter Copy Protection and Reactivation 95

### Maximum Key / ID usage

Defines the default value how often a **Serial Number / ID** can be used. The value can be changed for each Serial / Number either when <u>creating</u> [64] a Serial Number / ID or by <u>editing</u> [47] the Serial Number / ID. Setting in .config file: <u>NoOfAllowedEntryOccur</u> [202]

### Maximum Activation Key usage

Defines the default value how often an **Activation Key** can be used. The value can be changed for each Activation Key either when <u>creating</u> a Activation Key or by <u>editing</u> [47] the Activation Key. <u>Setting in .config file: NoOfAllowedKeyOccur</u> [203]

### Regular license check (days)

Defines the interval in days a regular license check is done to validate the license. This option has to be enabled in the application. The regular check allows to <u>lock a license</u> seven after the product was activated.

### Serial Number has to be saved before it can be used

Check this option if an key / ID should only be accepted, when it is stored in the Activation Server 4 database. This is e.g. required for the MAC version or if you use own keys. This option also allows to lock a key 52 before it is used. If you want to use this option, create keys using the Activation Server 4. As an alternative, key lists can be imported 88. Setting in .config file: EntryRequired 199

### Flag as abusive usage after number of errors

If an activation or license validation fails several times for a key / ID, this key is automatically flagged as - **abusive usage**. An online validation of the same key which had a valid product activation before or a reinstallation on the same computer will still work.

However a key usage which results in an error like *key was already used* will generate an unknown error (code 16384). The idea is that the Activation Server 4 can automatically detect, if someone spreads a key / ID through the Internet and the usage of this key will generate unknown errors during product activation.

Locking a key 47 will completely stop the usage of the key (e.g. also a valid product activation would be locked with the next online validation) while marking the key with abusive usage will affect only misused keys.

A key with the abusive usage flag set will be displayed in lists with the icon 🏜 .

You can manually change the flag for each key within the key details screen 47.

1.7.14.7.1 Copy Protection and Reactivation

# **Activate Copy Protection**

The copy protection links the license file to a hardware ID. Only **one** hardware ID is used but it makes sense to define a backup ID in case the main hardware ID cannot be retrieved.

Details about copy protection can be found in the main tutorial of Licence Protector <u>Windows</u> or <u>MAC</u>.

Selected IDs for initial activation

Define the hardware IDs which should be used for **copy protection**. Just click on an ID in the column *available IDs* and drag it to the column *Selected IDs*. Setting in .config file: InstCodeType1-n

The **first** hardware ID will be used. Only if the first hardware ID is not available, the second ID will be used.

In the sample below, the hardware ID 13 (Windows ID) will be used for copy protection. Only if the ID 13 cannot be retrieved the ID 4 (NetBios) is used.

96	Activation Server 4	
	Selected IDs for initial activation	Available IDs for initial activation
	13 4	1 2 3 5 6 7 8 9 10 11
		12 14

# Allow new Installation / Reactivation

In case the user should be able to reinstall the software on the same computer, define the hardware IDs which should be used to identify a computer.

For each key, the complete hardware profile (14 different IDs) is stored. To recognize a computer, hardware ID's are compared with **former activations and only if hardware ID's match**, the product can be activated again or a key can be used again.

There are 2 ways to decide if the reinstallation is done on the same computer like the initial product activation.

### Define the exact hardware IDs which have to match

Just click on an ID in the column *available IDs* and drag it to the column *Selected IDs*. If you select multiple IDs, all IDs have to match. Setting in .config file: CheckInstCodeType1n

In the sample below only the ID 2 (MAC address) has to match with the initial installation. Selected IDs for reactivation Available IDs for reactivation

1	3	4	5	6	
 7	8	9	10	11	
12	1	3	14		

### Define how many hardware IDs have to match

You can define, that e.g. 3 or 4 IDs have to match setting a value in *Number of IDs for reactivation*. If individual hardware IDs are selected then this configuration option is ignored. Setting in .config file: <u>MinIdenticalInstcodes</u>



If you are unsure about the configuration, only use MinIdenticalInstcodes.

1.7.14.7.2 Configure a MAC project

In case Licence Protector is used for MAC OS X protection, additional project settings are required.

Select if a project should be valid for

- MAC only (a Serial Number would be only accepted when used on a MAC computer)
- Windows and MAC (the same Serial Number could be used on a Windows Computer and/or on a MAC Computer)



#### **Basic Settings**

# **Copy protection settings**

Depending on the setting above you have to do different settings for the hardware IDs

#### MAC project

If the Serial Number should be only accepted on a MAC computer, select hardware ID 14

Selected IDs for initial activation	Available IDs for initial activation	Selected IDs for reactivation	Available IDs for reactivation
14	1 2 3 4 5 6 7	14	1 2 3 4 5 6
	8 9 10 11 12 13		8 9 10 11 12

#### MAC and Windows project

If the Serial Number should be accepted on a MAC and/or Windows computer, select hardware ID 14, 13  $\,$ 

Selected IDs for initial activation	Available IDs for initial activation	Selected IDs for reactivation	Available IDs for reactivation
13	1 2 3 4 5 6 7 8 9 10 11 12 14	13	1 2 3 4 5 6 7 8 9 10 11 12 14

# Additional settings for MAC projects

MAC projects require additional settings.

_	Additional configuration settings for MAC OS				
	Project Password	•••••	Maximum number for reinstallations		з
	Check an installation and protocol it		Only allow an install for pre-saved hardward	MAC	

Project Password

should only be changed by the developer

#### Maximum number for reinstallations

You can limit, how often a **new installation on the same MAC** is possible. A new installation count is done every time when the license file does not exist on the local computer and it is downloaded from the Activation Server 4.

#### Check an installation and protocol it

The default is that each new installation is logged on the the Activation Server 4 and the number of installations on the same MAC can be limited by the setting *Maximum number for reinstallations*.

If this option is unchecked, there is no log on the server and no limitation regarding the number of installations on the same MAC.

#### Only allow an installation for pre-saved MAC hardware IDs

Checking this option would require to add the hardware ID of an MAC to the Activation Server 4 before an installation can be done.

#### 1.7.14.8 User Settings

Define user specific settings:

- General <u>settings</u> 99
- Change Password
- Customize <u>Manage Activations</u> 38 Screen

This page allows to sp	ecify global settings for the Activation Server	Change Password	Sustomize Screen - Manage Activations
ı	Jser Settings		
Date Format *	American: 9/13/2013 💠		
Items per Page *	100		
Language *	English 💠		
Default product	Easy-Go Application \$		
Show Transactions	last 30 days 💠		
	E Save	X Cancel	

#### 1.7.14.8.1 User specific settings

Each user can customize basic settings

his page allows to specify global settings for the Activation Server	Kange Password	Sustomize Screen - Manage Activations
User Settings		
Date Format * American: 9/13/2013 💠		
Items per Page * 100		
Language * English 💠		
Default product Easy-Go Application \$		
Show Transactions last 30 days 💠		

- Date Format which is used in lists and reports
- Items per Page for the list view Transactions 38 and Key List 46
- Language for the user interface
- Default product, which should be displayed after login. Leave this empty, if you often work with different products. Only products, which the administrator assigned to the user [62], are available in the list.
- Show Transactions for x days. Define the **default** period for the <u>transaction list.</u>

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1.7.14.8.2 Change Password

Each user can change his password by providing the old password and entering a new password which must be at least 5 characters long.

Please enter and verify a new	password below.		Subser Settings	Sustomize Screen - Manage Activation
Remember that your new pass • must be at least 5 characters • and must not be identical wi	s long	10		
Change Y	our Password			
Username *	demo-en			
Username * Old Password *	demo-en			
	demo-en			

#### 1.7.14.8.3 Customize Manage Activations screen

Each user can customize the screen for <u>Manage Activations</u> by selecting the fields which should be displayed for:

- Key List 46
- Transactions 38

Check the fields which should be visible and press the button Save.

								Adm	ninistration	/ Setup
omize Screen - Manage	e Activations	s: This page allows	you to	specify the fields for lists	which	are displayed within the	m			
This page allows you the menu option 'Ma	i to specify ti inage Activat	he fields for lists v tions'.	vhich a	are displayed within			<b>&amp;</b> U	ser Settings	Change	Passwo
	Screen: Key	List								
Regular license check (days)		External Group		Is Locked	ø	Maximum Key / ID usage		Pro	duct Name	
Key / ID	Ś	External ID		Кеу Туре	ø	Module ID	☑	Effectiv	e Key / ID usage	
Customer Name		E-mail		Created	ø	Reseller			Country	
	Screen: Act	ivation Requests								
Customer Name		File Date		License ID		OEM Name		Re	quest Type	
E-mail	<b>I</b>	File Version		Licence Protector Version	≤	Product Name	ø		Result	ø
Key / ID	Ś	IP-Address	<b>I</b>	Module ID	ø	Request Date/Time	ø		Run No	
Reseller		Version	۷	Activation done by	≤					
	General									
Show module name instead of Module ID										

#### 1.7.14.9 Security Settings

The Activation Server 4 allows to create keys through by an <u>external application</u> [82] or through a web page. To ensure, that keys can be generated only from authorized web sites, you can either specify IP addresses (recommended) or a password. The settings apply to all pages which generates keys, e.g. Unlock Keys.

Activation through Website		Key Generator Settings:		Address Information Settings:		
estrict to IP	127.0.0.1;215.654.25.4	Limit request to	100	☑ Limit request to	5	
Address		Requests every	5 hours \$	Requests every	1 minutes 🛊	
Password	••••				-	
		HTTPS only				
		Password				

### **Restrict to IP Address**

This setting is relevant if you allow key generations by <u>external applications</u> [32] like <u>shop</u>

systems 102.

Multiple IP addresses can be combined using a semicolon. Only if you do not have a static IP address, use a password instead. You can also use both - IP Address and password. If you do not want to use a restriction, the IP address field must be empty.

Wildcards for sub networks are **not** supported: 192.168.178.\*. If you do not have a static IP, leave this field empty and only use a password.

# **HTTPS** only

Only allows https connections when creating keys <u>external applications</u> [82] like <u>shop</u> <u>systems</u> [102].

#### 1.7.14.10 Shop Configuration

This option allows key generation for some selected e-commerce providers. If your provider is not listed here, you can always use the <u>web service for key generation</u> [82]. Your can create Serial Numbers and Activation Keys but not special keys like <u>Unlock Keys</u> [69].

Use this page to configure the s	elected product			
Product settings		Selec	ct a Shop ID to modify setting	5
Online Shop *	cleverbridge advanced e-commerce \$		33322	
Product Name*	Easy-Go Application	\$	New Shop Product	
Module ID*	E-Learning Made Easy (QHD001) 💠			
Shop ID *	92837			
Valid number of days				
Expiry Date				
Network license				
Single user license *	One key per order +			

# Step 1 - Retrieve Shop URL

Select the online shop in the list box and click on the button: **Show URL**. It displays a URL which you need for the setup within the shop / ecommerce provider.

# **Step 2- Configure a product**

Select the product name for which you want to generate keys. If the product consists of modules / features you have to select a module. If a Serial Number or an Activation Key is generated depends on the settings of the module.

### Shop ID

Each product in your web shop has an article ID or product ID / number which is referenced here as shop ID. Login into the shop system to get the shop ID.

#### Valid number of days

If the module is defined as a Serial Number then the number of days logic depends on the definition whether the module is a time limited full version (subscription) or a perpetual license. For more details see <u>Create a Serial Number</u> 64.

### **Expiry Date**

Add an expiry date. Normally you want to calculate an expiry date **depending on the order date**. This is possible by using **+days** instead of a real date.

Example: You sell a subscription where the license should expire 1 year after the order date. Use +365 in the Expiry Date field

#### **Network license**

If the key should be a network license then check this option. The quantity of the shopping card is then added in the field: *number of licenses* in the Serial Number / Activation Key

#### Single user license

If you sell a single user license there are 2 options:

- One key per order. This creates one single Serial Number / Activation Key which can be used on multiple computers. The number of computers are defined from the quantity in the shopping card. The field Maximum Key / ID usage [67] is set to this value
- Multiple Keys per order. This creates one Serial Number / Activation Key for each quantity in the shopping card

If you have **multiple articles for one product** in the shop system, the shop IDs are displayed per product / feature on the right side. Click on one shop ID to change configuration values.

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-----	------------	----------

roduct settings		Select a Shop ID to modify settings
Online Shop *	cleverbridge advanced e-commerce	92837
Product Name *	Easy-Go Application \$	33322
Module ID *	E-Learning Made Easy (QHD001) ≑	
Shop ID $^{*}$		
Valid number of days		
Expiry Date		
Network license		
Single user license *	\$	
	Select a Shop ID to change s	ettings



	12.09.2013 13:21:33	Web Service
Service		

# **Step 3 - Configuration within the shop / E-Commerce system**

The configuration setup is explained for each supported shop system.

### Cleverbridge

Add a key generator (Products & Marketing / Key Generators) with exactly the same settings you find in the screenshot below. The link in the field path: is the URL you created in <u>Step 1 - Retrieve Shop URL</u>

Key generator ID:	enerator: Activation-Server4
🕞 Save 🗸	Accept S Cancel
Name:	Activation-Server4
Path:	https://www.registerserver.net:443/0000000/KeyGenerator.
Authenticate	
Username:	
Password:	
Repeat password:	
Interface:	Type1 💌
Character encoding:	Unicode (UTF-8)
Vse romanized co	intact values
Call once per pure	chase
✓ Use XML client no	tification
XML schema:	<use current="" version=""></use>
Client handles err	ors

Web Key Generator Setup

Now you have to add for **each product / article** the key generator specification within **Delivery Details** 

- Delivery Type: Activation-Server4 (name of the key generator you specified above)
- Key result type: Auto
- Execute once per purchased item: Unchecked
- Use key template: Checked

English	German	Spanish	French	Italian				
▼ General			Delivery	Details				
Product De Product Inf			+ Ad	l Delivery 💻 Rem	nove Delivery	1 Move Up	Move Down	
Product At Internal Att			🔻 Deli	very type: cleverbr	idge delivers key			
▼ Images &	Content		Ortions					
Shopping (	Cart Content		Options					
Product an	nd Marketing Conte	nt	Web	ey generator Ac	tivation-Server4			÷
Product an	nd Marketing Image	s	O Exec	table key generator				
<ul> <li>Delivery</li> </ul>			Ŭ	nic link library				
Delivery D	etails		<ul> <li>Key I</li> </ul>					
Delivery Te	exts							
<ul> <li>Pricing</li> </ul>			Key resu					
Price Optic			Exec	te once per purchased o	quantity			

The last step is to define the text for the key template within **Delivery Text**. Find below a sample text. The variable <Key> is required. It will add the the generated key in the e-mail.

The Serial Number Key is your 'proof of purchase'. It can be used only once and requires an Internet connection.

The serial number key is: <b>**<Key>**</b>

Start the application and select: <b> I have a serial number and I want to activate <i>Licence Protector</i>. </b>Enter the Serial Number Key from this E-Mail (you can copy it using the clipboard), your name/company and your e-mail address. Press the button: <i>Next. </i>A dialog appears which verifies the Serial Number key online and activates the application.

If you don't have an Internet connection use the option: <i>You can also request an Unlock Key by E-Mail.</i>

1.7.14.11 Restart Activation Server

After making any <u>configuration changes</u>, you have to restart the Activation Server. Without restarting the service the configuration changes would not work for some time because the Web Server caches files.

### 1.7.15 Part II - Installation and Configuration

Part II covers the installation 107 of the Activation Server 4 and configuration 103 as well as a How TOS 210 and FAQ.

If you are using the Mirage Hosting service, you can directly move to the chapter Mirage Hosting Service.

#### 1.7.15.1 Installation of the Activation Server

This is a step by step guide to install the Activation Server 4.

**The MSI Installer package** checks if all necessary system requirements like IIS, ASP.NET are available, creates the database and configures the Activation Server 4

If you are using the Mirage Hosting service, then the installation is already done. See chapter Mirage Hosting Service 215.

To install updates on an already running Activation Server 4 see chapter Install Updates 15

- 1. <u>System Requirements</u> and installation of required Windows components
- 2. Install Activation Server 4 115
- 3. First Login 146
- 4. <u>Activate license</u> 148
- 5. Install FTP Server
- 6. Perform System Check (159) (only in case of errors)



The installer allows one instance of the Activation Server on one machine.

#### 1.7.15.1.1 Step 1 - System Requirements

The Activation Server 4 is a .NET service and needs a Windows server system with .NET.

# **System Requirements**

- English operating system
- Windows **Server** 2008 R2, Windows 2012 R2, 32 or 64bit. The latest service pack is required.
- Microsoft Internet Information Internet Information Server (IIS 6, 7 or 8)
- .NET 3.5 and 4.5
- ASP.NET 4.5
- <u>ASP.NET Ajax Extension</u> [171] (automatically installed)
- <u>Open XML SDK</u> (automatically installed)
- <u>Microsoft SQL Server</u> 126 or SQL Server Express (2005 or higher up to SQL Server

2012)

- Right to start an executable on the server
- Static IP server must be reachable through Internet access
- Browser (**Minimum** Version required) IE 9, Firefox 16, Chrome 22, Safari 5 (Windows), Safari 6 (MAC)

The installer package checks, if all necessary components are installed and if it is missing, it will automatically download the component. The installation of every component is described in the following chapters.

We recommend installing the server on a virtual machine. This simplifies the installation and maintenance.

If you have multiple websites running on the same server, a good idea is to create a subdomain for the Activation Server 4.

# **Install Operating System Prerequisites**

If you are running a **Windows 2008 Server**, you have to install the **IIS** and the **NET framework** through the **Server Manager.** On Windows 2012 Server, the Windows features and roles are installed automatically.

- Instal IIS, .NET Framework and ASP.NET 4.5 Windows 2008 Server (manual setup required)
- Click Start, point to Administrative Tools and click Server Manager.
- Click Add Features
- Select .NET Framework 3.5.1
- Review your installation selections and click Install.


Install .NET 3.5.1

To install the IIS

- Click Start, point to Administrative Tools and click Server Manager.
- Click Add Roles.

🔚 Server Manager			
File Action View Help			
🗢 🔿 🔰 📊 🛛			
Server Manager (DIETERHRLED62E	Roles		
Roles     Features     Teatures     Teatures     Gonguration     Storage	View the health of the roles installed on your server and add or remove roles and features.		
± Estorage	⊗ Roles Summary	Roles Summary Help	
	Roles: 0 of 17 installed	Add Roles	

Select Role

- The Add Roles Wizard will appear. Click Next.
- If any required features are missing, you will be prompted to install them by clicking the Add Required Features button.
- From the Select Server Roles window, click the box beside the Web Server (IIS)

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option. Additionally select **Application Server** which will install ASP.NET 3.5.1 Also select Web Server (IIS) support. Click Next.

Add Roles Wizard		×
Select Server Rol	es	
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select one or more roles to install on this server.         Roles:         Active Directory Certificate Services         Active Directory Domain Services         Active Directory Federation Services         Active Directory Fights Management Services         Active Directory Rights Management Services         Active Directory Rights Management Services         Active Directory Rights Management Services         DHCP Server         DNS Server         Fax Server         File Services         Hyper-V         Network Policy and Access Services         Print and Document Services         Windows Deployment Services         Windows Server Update Services         Windows Server Vpdate Services	Description: <u>Web Server (IIS)</u> provides a reliable, manageable, and scalable Web application infrastructure.
	<pre> &lt; Previous Next </pre>	> Install Cancel

Install IIS

Select all components which are highlighted in red - especially ASP and Server Side Includes are required



**Activation Server** 

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Application Development options

Also select the **IIS 6 Management Compatibility** (see screenshot which options to check)

Add Roles Wizard	스
Select Role Servi	zes
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select the role services to install for Web Server (IIS):   Role services <ul> <li>IS Client Certificate Mapping Authentication</li> <li>IR Authorization</li> <li>IR Authorization</li> <li>IP and Domain Restrictions</li> <li>Performance</li> <li>Static Content Compression</li> <li>Dynamic Content Compression</li> <li>Dynamic Content Compression</li> <li>Dynamic Content Compression</li> <li>IS Management Tools</li> <li>IS 6 Management Console</li> <li>IS 6 Management Console</li> <li>IS 6 Menagement Console</li> <li>IS 6 Menagement Console</li> <li>IS 6 Management Console</li> <li>IS 7 Weits</li> </ul> More about role services More about role services Nere about role services Previous Next > Install Cancel

IIS 6 Management Compatibility

- If you are unsure what a service is for, select the service and a short description will appear.
- Click Next.
- Review your installation selections and click Install.
- When the installation is complete, review the results in the 'Installation Results' window and click Close.
- Instal IIS and .NET Framework, ASP.NET 4.5 Windows 12 Server (manual setup only in case installation fails)

The configuration is done automatically during the installation. A manual setup would only be required in case the installation process fails.

The steps describe Windows **2012 R2 Server**. The steps for Windows 2012 Server are similar.

- Click Start, point to Administrative Tools and click **Server Manager**.
- Click on Manage, Add Roles and Add Features

€ Server Ma	nager + All Servers	•©  <b>"</b>	Manage Tools View Help Add Roles and Features
Dashboard     Local Server     All Servers	All servers   1 total	-	Remove Roles and Features Add Servers Create Server Group Server Manager Properties
iig File and Storage Services ▷	Server Nome IP-4 Address Manageability E51F 192.168.178.44 Online - Performance counts	Last Update ers not started 5/24/2014 2:09:13 PM	Windows Activation 00252-01155-44776-AA482 (Active
	Add Roles and I	Features	

Select: Role-based or feature-based installation



• Select your server

Ĩa -	Add Roles and Features Wizard
Select destinati	DN Server Detromation Server Detromations
Before You Begin Installation Type Server Selection Server Roles Features	Select a server or a visual hand disk on which to install roles and features.  Select a server from the warver goal Server a visual hand disk Server Piool
	Filter         IP Address         Operating System           1511         150.166.178.44         Microsoft Windows Server 2012 F2 Standard
	Computerial hand To page abox saves in the naming Windows Server 2012, and that have been added by using the Additions and the Computer are not down
	Colooth Conversion

- Select Server
- Select Web Server (IIS) and confirm to install the Management Tools



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Add IIS

Additionally select IIS 6 Management Compatibility



Add IIS 6 Management Compatibility

Click on Features and select .NET Framework 3.5, .NET Framework 4.5 and ASP.NET 4.5

Calls at fairth same		DESTINATION SERVER
Select features later to lage mutation type server selecton server Advis Texature Web Server Adv (00) Not Serves Confination Faculty	Select one or more features to shall on the inferted server.  Fatures	Description AGP/RT 4.2 provide core support for corresp 427 and 426 support to a corresp 427 and 426 support that are integrated with 15.
	< Previous Next	> Install Cancel

^

≡

~

• Review your installation selections and click Install.

.NET Framework 3.5 Features .NET Framework 3.5 (includes .NET 2.0 and 3.0) .NET Framework 4.5 Features ASP.NET 4.5 Web Server (IIS) Management Tools IIS 6 Management Compatibility IIS 6 Metabase Compatibility **IIS Management Console** Web Server Common HTTP Features

You can close this wizard without interrupting running tasks. View task progress or open this

#### 1.7.15.1.2 Step 2 - Install the Activation Server

The installation package checks if all necessary system requirements like IIS, ASP.NET are available, creates the database and configures the Activation Server 4.

If you install on a server with an existing version of the Activation Server 4, see Install Updates

**Install Activation Server 4** 

Now you are ready to install Activation Server 4. To start the installation, execute **activation-server4.exe** 

#### **1. Check System Requirements**

The installer will first check if you have the correct version of IIS and .NET installed.

If this initial check is OK, it checks the prerequisites. If missing, they are automatically downloaded.

Login with the user: ADMINISTRATOR



Prerequisites - Start screen

117

😃 Activation Server 4 Setup				
Prerequisites These programs are needed for the application to run. Click on the check box next to a prerequisite to select it for install or to skip it.				
Name	Version	Action		
ASP.NET AJAX 1.0	Required: between 1.0.61231.0 Required: 11.0.3000.0 or higher	Download Skip		
Press the Next button to download the prerequisites.				
Back Next Finish Cancel				

Prerequisites - Select components

- In case, you already have an MS SQL server installed, you don't have to check to install SQL Server 2012 Express. Otherwise you have to install this server version. There is a detail configuration and setup explanation here
- If .NET Framework 4.5 or ASP.NET Ajax is suggested, you have to install it
- The Open XML SDK is always installed at the end of the installation. In case an older version is found, it is automatically uninstalled

The download of all prerequisites is automated. After downloading the installation of the prerequisites starts.

	118	Activation	Server 4
--	-----	------------	----------

	Activation Server 4 Setu	ιP	
Prerequisites I Please wait v	<b>Download</b> while the selected prerequisites are downloaded.		
URL		Size	Status
http://mirage-s	ystems.info/download/Activation-Server/Full	1.36 MB	Finished
http://download	d.microsoft.com/download/5/2/9/529FEF7B-2	148.08 MB	2%
Progress: 3% (5.	54 MB of 149.44 MB)		
	54 MB of 149.44 MB) L Server 2012 Express SP1 x64 2% (4.18 MB of	148.08 MB)	
			QLEXPR_x64_ENU.ex
Downloading: SQ Saving to:	L Server 2012 Express SP1 x64 2% (4.18 MB of		QLEXPR_x64_ENU.ex
Downloading: SQ Saving to: Remaining time:	L Server 2012 Express SP1 x64 2% (4.18 MB of C:\Users\DieterHaerleHome\AppData\Roaming	\Mirage\SC	

Prerequisites - Download

# 2. Select directory and accept license terms

After all prerequisites are installed, the main installer launches.

A default folder is suggested. Before you can continue, you have to check that you agree to the license terms and conditions.

	Activation Server	119
	x	
4	Mirage Computer Systems Activation Server 4 for Licence Protector	
	Version: 4.2.1.74 Datum: 06/2014	

Setup requires 52 MB in:		
C:\inetpub\wwwroot\ActivationServer4\		

You must agree to the Licenses terms and conditions before you can install Activation Server 4.

✓ I agree to the License terms and conditions.

Next

Select directory

3. Select Installation Type

Select if it is a new installation of Activation Server 4 or if you want to upgrade from Activation Server 3 [150]





server name is .\SQLEXPRESS. To create the database for the Activation Server 4 server, the installer needs the login data and administrator rights to create a database. Specify an existing SQL server user with admin rights - the default user is: **sa**. These credentials are used only to create the database and add users. Type in the password you used during the <u>SQL Server installation</u> 126.

Activation Server	121

4	Mirage Computer Systems Activation Server 4	
Config	ure SQL Connection	
erver:	SQLEXPRESS	
lsername: assword:	sa	
lelp		
Back		Next
	SQL Server login	
u get the fol	owing error message after clic	king on <i>Next</i> ,

Driver][SQL Server]Login failed for user 'sa'.

SQL Server login failed

#### 122 Activation Server 4

then either the user name / password is wrong or the server is configured only for integrated windows authentication. Change the mode to **SQL Server and Windows Authentication** mode and/or update the user right. Otherwise you cannot continue.

Change security authentication mode

During installation, SQL Server Database Engine is set to either **Windows Authentication mode or SQL Server and Windows Authentication mode.** 

To change security authentication mode

- 1. In SQL Server Management Studio Object Explorer, right-click the server, and then click **Properties**.
- 2. On the **Security page**, under **Server authentication**, select the new server authentication mode, and then click **OK**.
- 3. In the SQL Server Management Studio dialog box, click **OK** to acknowledge the requirement to restart SQL Server.

Server Properties - W01MI	R_TST	
Select a page P General	Script + 📑 Help	
Memory Processors Connections Database Settings Advanced Permissions	Server authentication            Windows Authentication mode         SQL Server and Windows Authentication mode         Login auditing         None         Eailed logins only         Successful logins only         Successful logins only         Successful logins only         Server proxy account         Enable server proxy account         Proxy account	
Connection	Password: Options	
Server: W01MIR_TST Connection: W01MIR_TST\Praesident View connection properties Progress Ready	Enable C2 audit tracing     Eross database ownership chaining	
	ОК	ancel

### If you get the following error message while the product is installed

Activatio	n Server 4.0	×
<u>^</u>	{SQL_ERROR}: {SQL_STATE: 42000} CREATE DATABASE permission denied in database 'master'.	
	OK	
	Error Crasta database normalization denied	

Error - Create database permission denied

then you do not have Windows user rights to create a database on the default folder used for a SQL database.

The installer will create a database *Activation Server* and stores the login details in the file web.config [174]

If you get the error message: There is a problem with the IIS user



then you have to add the necessary rights for the <u>ASP service</u> after the installation is done.

Error: Administrator is not a valid user or group

A user with the name Administrator is required. You probably renamed it. Rename the admin user back to Administrator



124	Activation Server 4
-----	---------------------

Back

# 5. Create application shortcuts

Select the shortcuts which should be created.

	×
Mirage Computer Systems Activation Server 4	
Create application shortcuts	
Create shortcuts for Activation Server 4 in the following locations: Desktop     Start Menu Programs folder	

Create shorcut links

You provided now all necessary information to start the installation. You could review your settings using the *Back* button.

Install

The installation files are copied to selected folder. The database is created and the IIS is configured. At the end of the installation the open XML SDK installer launches. Just confirm all steps.

# 6. Start Administration Interface

The next step is to start the Administration Interface. Click on Run



Activation Server 4 has been successfully installed.



Finish

Installatioin finished

You will get an additional screen with explanation how to login

	Activation Server 4
	Activation Server 4
	Your login details
	ername: admin
Pas	sword: (leave password empty)
Aft	er login you have to provide a password and you can customize your settings like language.
(Ne	ote: It can take up to 1 minute until the login page appears as the database is generated during the first program start)
(140	sie. It can take up to 1 minute until me togin page appears as me database is generated during me mist program start)
	<u>Goto Login Page</u>

After clicking on <u>Goto Login Page</u> it **could take a while**, until the <u>Login Screen</u> appears. At the first launch of the server, sql scripts are launched to generate tables and add default values.

7. Install Updates

Now install updates / service packs 150

1.7.15.1.2.1 Microsoft SQL Server

A Microsoft SQL Server or SQL Server Express (2005 or higher up to SQL Server 2012) is required.

The installer will automatically download **SQL Server 2012 Express Edition**. If you already have an SQL Server installed then you can skip this step.

The collation must be: Latin1 General CP1 CI AS



The Activation Server 4 does not include a license for the MS-SQL server and

## you are responsible to use the MS-SQL server with the correct licensing.

Step by Step installation and configuration guide - SQL Server 2012 Find below screenshots of the installation process.

Start the installation by clicking on Installation on the left side



1	SQL Server 2012 Setup
License Terms To install SQL Server 20	112, you must accept the Microsoft Software License Terms.
License Terms Product Updates Install Setup Files	MICROSOFT SOFTWARE LICENSE TERMS       I         MICROSOFT SQL SERVER 2012 EXPRESS         These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft         •       updates,
	<ul> <li>supplements,</li> <li>Internet-based services, and</li> <li>support services</li> <li>Copy Print</li> </ul>
	Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use SQL Server and its components.
	< Back Next > Cancel

Confirm License Terms

1	SQL Server	2012 Setup		-		x
Product Updates Always install the latest update	s to enhance your SQL Server security	and performance.				
License Terms Product Updates	✓ Include SQL Server product upda	tes				
Install Setup Files	Name SQL Server 2012 SP1 GDR Produc SQL Server 2012 SP1 GDR Setup U	Size (MB) 145 26	More Information           KB 2793634           KB 2793634			
	2 updates (171 MB) found online. The Setup updates (26 MB) will be in Read our privacy statement online Learn more about SQL Server produ		Ŕ			
		< Back	Next >	Ca	ncel	

Select all product updates

Select Database Engine Services

		Activation Server 131
1	SQL Server 2012 Setup	_ <b>D</b> X
Feature Selection Select the Express features to in	stall.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Features: Instance Features SQL Server Replication Shared Features SQL Client Connectivity SDK Redistributable Features	Feature description:         The configuration and operation of each instance feature of a SQL Server instances is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on the same computer.         V         Prerequisites for selected features:         Already installed:         Microsoft .NET Framework 4.0         Windows PowerShell 2.0         To be installed from media:         Microsoft Visual Studio 2010 Shell
	Select All       Unselect All         Shared feature directory:       C:\Program Files\Micro         Shared feature directory (x86):       C:\Program Files (x86)\	
	< Back	Next > Cancel Help

Select the feature to install

Name of the SQL Instance / Server - If you change the name you have to note it down as it is required later. The default name is: **SQLExpress** 

1		SQL Server 2012	Setup		_ <b>D</b> ×
Instance Configuratio	n				
Specify the name and instanc	e ID for the instance of S	QL Server. Instance	ID becomes part of t	he installation path.	
Setup Support Rules	O Default instance				
Feature Selection Installation Rules	Named instance:	SQLExpress			
Instance Configuration					
Disk Space Requirements	Instance ID:	SQLEXPRESS			
Server Configuration Database Engine Configuration	Instance root director	ry: C:\Program File	es\Microsoft SQL Serv	ver\	
Error Reporting					
Installation Configuration Rules Installation Progress	SQL Server directory:	C:\Program File	s\Microsoft SQL Serv	er\MSSQL11.SQLEXP	RESS
Complete	Installed instances:				
	Instance Name	Instance ID	Features	Edition	Version
					4
			< Back	Next > Ca	ncel Help

Instance Name

The SQL server installation could take a while and it could require a restart of the server. Once the server is installed additional configuration is necessary.

Select: NT Service

		Acti	vation Server	13
i	SQL Serve	er 2012 Setup	_	
Server Configuration Specify the service accounts an	d collation configuration.			
Setup Support Rules Feature Selection	Service Accounts Collation			
nstallation Rules nstance Configuration	Microsoft recommends that you use a s	separate account for each SQL Server servic	Password Startup 1	vne
Disk Space Requirements	SQL Server Database Engine	NT Service\MSSQL\$SQLEXPRESS	Automat	
Server Configuration	SQL Server Browser	NT AUTHORITY\LOCAL SERVICE	Disabled	-
nstallation Configuration Rules nstallation Progress Complete				
		< Back Nex	t > Cancel	Help

Select Account: NT Service

Click on the TAB Collation - Ensure that Latin1 General CP1 CIAS is selected

1	SQL Server 2012 Setup	_ 🗆 X
Server Configuration Specify the service accounts an	d collation configuration.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements <b>Server Configuration</b> Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Service Accounts       Collation         Database Engine:       \$QL_Latin1_General_CP1_CI_AS         Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 52 on Code Page 1252 for non-Unicode Data	Customize
	< Back Next > Cancel	Help

Select Collation

The next step is crucial.

The SQL server must be configured for **SQL Server and Windows** Authentication mode.

Type in a password and **note it down**. This is the password for the user **sa** 

	Activation Server	135
	SQL Server 2012 Setup	
Database Engine Config Specify Database Engine authent		ß
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration       Data Directories       User Instances       FILESTREAM         Specify the authentication mode and administrators for the Database Engine.         Authentication Mode         Windows authentication mode         Mixed Mode (SQL Server authentication and Windows authentication)         Specify the password for the SQL Server system administrator (sa) account.         Enter password:         Confirm password:	

Configure authentication mode

# Specify the SQL server administrator and select: **Administrator** (Click on **Add** to select from a list)

1	SQL Server 2012 Setup	- 🗆 X
Database Engine Confi Specify Database Engine auther	guration ntication security mode, administrators and data directories.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration       Data Directories       User Instances       FILESTREAM         Specify the authentication mode and administrators for the Database Engine.       Authentication Mode         O Windows authentication mode       Image: Configuration Mode         Image: Mixed Mode (SQL Server authentication and Windows authentication)       Specify the password for the SQL Server system administrator (sa) account.         Enter password:       Image: Confirm password:       Image: Confirm password:         Specify SQL Server administrators       SQL Server administrators         Administrator (Administrator)       SQL Server administrator         Add Current User       Add	
	< Back Next > Cancel	Help

Specify SQL Server administrator

The final screen should display that all components have been successfully installed.

18	SQL Server 2012 S	Setup			
Complete					
Your SQL Server 2012 installa	tion completed successfully with product updat	tes,			
Setup Support Rules	Information about the Setup operation or p	possible next steps:			
Feature Selection	Feature	Status			
Installation Rules	Database Engine Services	Succeeded			
Instance Configuration	SQL Browser	Succeeded			
Disk Space Requirements	SQL Writer	Succeeded			
Server Configuration	SQL Client Connectivity	Succeeded			
Database Engine Configuration	SQL Client Connectivity SDK	Succeeded			
Error Reporting					
Installation Configuration Rules					
Installation Progress	Details:				
Complete	Viewing Product Documentation for SQL Server				
	been installed. By default, the Help Vie SQL Server, you can use the Help Libra your local computer. For more informati < <u>http://go.microsoft.com/fwlink/?LinkID</u> Summary log file has been saved to the follo	owing location:			
	C:\Program Files\Microsoft SQL Server\110 \Summary_DIETERHRLEE51F_20140524_12				

Screen Complete - must display all components with a green icon

Step by Step installation and configuration guide - SQL Server 2008

Find below screenshots of the installation process.

■ Installation step by step

Start the installation by clicking on Installation on the left side

📆 SQL Server Installa	tion Center					
Planning Installation Maintenance Tools Resources Advanced Options	SQL Server 200 Setup Suppor Setup Suppor before Setup	D8 Setu port	Launch a wizar existing SQL Se Upgrade from S P Rules identify proble	er stand-alone installation or add features to an e d to install SQL Server 2008 in a non-dustered en rver 2008 instance. SQL Server 2000 or SQL Server 2005 ems that might occur when you install SQL Serve	xisting installation wironment or to add features to an	Windows Server 2008 R2 Enterprise
	Setup Support R	tules		Operation completed. Passed: 7. Failed 0. Show details >> View detailed report	Warning 0. Skipped 0.	Re-run

Start Installation

# Click next to install the free Express Edition

SQL Server 2008 Setup		
Product Key         Specify the edition of SQL Server 2008 to install.             Product Key         Liense Terms         Setup Support Files <ul> <li>Specify a free edition of SQL Server or provide a SQL Server or authenticity or product packaging. If you specify Enterprise Sevulation, the instance will be activated with a 180-day expiration. To upgrade from one edition to another edition Upgrade Wizard.              <ul> <li>Specify a free edition:</li> <li>Specify a free edition</li> <li>Specify a free edition</li> <li>Specify a free edition to enother edition upgrade Wizard.</li> <li> <ul> <li>Specify a free edition:</li> <li>Specify a free edition</li> <li>Specify a free edition</li> <li>Specify a free edition:</li> <li>Specify a free edition</li> <li>Specify a free edition</li> <li>Specify a free edition:</li> <li>Specify a free edition</li> <li>Specify a free edition</li></ul></li></ul></li></ul>		
License Terms	2008. Enter the 25-character key from the Microsoft certificate of authenticity or product specify Enterprise Evaluation, the instance will be activated with a 180-day expiration. The edition to another edition, run the Edition Upgrade Wizard.	tpackaging. If you
	< Back N	
	select free Express Edition	

select free Express Edition

Click on Install to start the installation

138	Activation Server 4	

SQL Server 2008 Setup		CARREN SERVICE	
Setup Support Files Click Install to install Setup Su	upport files. To install or update SQL Se	erver 2008, these files are required.	
roduct Key	The following components ar	e required for SQL Server Setup:	
icense Terms	Feature Name	Status	
etup Support Files	Setup Support Files		
		< Back Install	Cancel
		< Back Instan	Cancel

start setup with supported files

The next screen (setup support rules) should display all tests as passed

	Acti	vation Server	139
SQL Server 2008 Setup Setup Support Rules			
Setup Support Rules identify prol before Setup can continue. Setup Support Rules Feature Selection	t might occur when you install SQL Server Setup support files. Failures eration completed. Passed: 10. Failed 0. Warning 1. Skipped 0.	must be corrected	
Disk Space Requirements Error and Usage Reporting Installation Rules Ready to Install	de details << w detailed report		Re-run
Installation Progress	Rule	Status	
omplete	Fusion Active Template Library (ATL)	Passed	
	Unsupported SQL Server products	Passed	
	Performance counter registry hive consistency	Passed	
	Previous releases of SQL Server 2008 Business Intelligence Develop	Passed	
	Previous CTP installation	Passed	
	Consistency validation for SQL Server registry keys	Passed	
	Computer domain controller	Passed	
	Microsoft .NET Application Security	Passed	
	Edition WOW64 platform	Passed	
	Windows PowerShell	Passed	
	Windows Firewall	Warning	
	·		
	< Back Nex	t > Cancel	Help

Setup Support Rules

Select Database Engine Services

😿 SQL Server 2008 Setup	<u></u>
Feature Selection Select the Express features to ins clustered.	tall. For clustered installations, only Database Engine Services and Analysis Services can be
clustered. Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Features:       Description:         Instance Features       Include the Database Engine, the core service for storing, processing and securing data. The Database Engine provides controlled access and rapid transaction processing and also provides controlled access and rapid transaction processing and also provides rich support for sustaining high availability.         Redistributable Features       Include the Database Engine, the core service for storing, processing and securing data. The Database Engine provides controlled access and rapid transaction processing and also provides rich support for sustaining high availability.
	Select All Unselect All Shared feature directory: C:\Program Files (x86)\Microsoft SQL Server\
	< Back Next > Cancel Help

Select the feature to install

Name of the SQL Instance / Server - If you change the name you have to note it down as it is required later. The default name is: **SQLExpress** 

				Activation Server	141
SQL Server 2008 Setup					
Instance Configuration					
Specify the name and instance ID fo	or the SQL Server instance.				
Setup Support Rules	O Default instance				
eature Selection	Named instance:	SQLExpress			
isk Space Requirements					
erver Configuration	Instance ID:	SQLExpress			
atabase Engine Configuration irror and Usage Reporting	Instance root directory	: C:\Program Files (x	:86) (Microsoft SQL Se	erver\	
nstallation Rules					
eady to Install	SQL Server directory:	C:\Program Files (	x86)\Microsoft SQL	Server\MSSQL10.SQLExpress	
nstallation Progress Complete	Installed instances:				
ompiete -	Instance	Features	Edition	Version Instan	ice ID
			< Back	Next > Cancel	Help
	1	nstance Nar	ne		

To select the account name click on: Use the same account for all SQL Server services

SQL Server 2008 Setup					
Specify the configuration.					
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements	Service Accounts Colla Microsoft recommen	ds that you use a sepa	ate account for each SQL Se unt Name		- Starter Turn
				Password	Startup Type
Server Configuration Database Engine Configuration	SQL Server Database	e Engine NT A	UTHORITY WETWORK SE		Automatic 💌
Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	older Windows versi Help. <mark>Use the same acc</mark>	ions the user will need to	ally where possible to use a possible to use a	low privilege ount. Formor s.	
			< Back Next	> Ca	ncel Help

Select Account: Step 1

In the pop-up Window, select: NT Authority\Network Service

		Acti	vation Server	143
syl Server 2008 Setup			L	
Server Configuration				
Specify the configuration.				
Setup Support Rules Feature Selection	Service Accounts Collation			
Instance Configuration	Microsoft recommends that you	use a separate account for each SQL S	erver service.	
Disk Space Requirements	Service	Account Name	Password Startup T	ype
Server Configuration	SQL Server Database Engine	NT AUTHORITY WETWORK SE	Automatic	. 🔳
atabase Engine Configuration		· · · · · · · · · · · · · · · · · · ·		
rror and Usage Reporting			16 11 501 5	. 1
nstallation Rules		Use the same	account for all SQL Server	services
leady to Install				
Installation Progress		automatically where possible to use		
Complete	older Windows versions the user Help.	r will need to specify a low privilege ac	count. For more informat	on, click
	Use the same account for all	SOL Somer 2008 comises		
	ose the same account for an	SQL Server 2000 services		
	Specify a user name and pass	word for all SQL Server service accour	its.	
	Account Name: NT AUTHORI		▼ Browse	
			Browse	
	Password:			
			OK Cancel	
				1
				_
		< Back Nex	t > Cancel	Help
	Select Accou	Int: Step 2		

The next step is crucial.

The SQL server must be configured for SQL Server and Windows Authentication mode.

Type in a password and **note it down**. This is the password for the user **sa** 

SQL Server 2008 Setup	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Account Provisioning       Data Directories       User Instances         Specify the authentication mode and administrators for the Database Engine.         Authentication Mode         Image: Specify Mode (SQL Server authentication and Windows authentication)         Built-in SQL Server system administrator account:         Enter password:         Specify SQL Server administrators         Specify SQL Server administrators         Square administrators         Add Current User       Add         Remove
	< Back Next > Cancel Help

Configure authentication mode

Specify the SQL server administrator and select: **Administrator** (Click on **Add** to select from a list)
		Activation Server	145
😽 SQL Server 2008 Setup			
Database Engine Config Specify Database Engine authentice	Iration ion security mode, administrators and data directories.		
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Account Provisioning       Data Directories       User Instance         Specify the authentication mode and administration       Authentication Mode <ul> <li>Windows authentication mode</li> <li>Windows authentication mode</li> <li>Mixed Mode (SQL Server authentication and Wi</li> <li>Built-in SQL Server system administrator account:</li> <li>Enter password:</li> <li>Confirm password:</li> </ul> Specify SQL Server administrators           Administrator (Administrator)    Add Current User            Add	indows authentication)	ccess to
		< Back Next > Cancel	Help

Specify SQL Server administrator

The SQL server installation could take a while and it could require a restart of the server.

Change security authentication after installation

In case the wrong security information was selected during the initial installation of the SQL Server, it can be changed later.

Change security authentication mode

During installation, SQL Server Database Engine is set to either Windows Authentication mode or SQL Server and Windows Authentication mode.

To change security authentication mode

- 1. In SQL Server Management Studio Object Explorer, right-click the server, and then click **Properties**.
- 2. On the Security page, under Server authentication, select the new server authentication mode, and then click OK.
- 3. In the SQL Server Management Studio dialog box, click **OK** to acknowledge the

requirement to restart SQL Server.

Server Properties - W01MI	R_TST	×			
Select a page	🔊 Script 👻 🛐 Help				
🚰 General 🌁 Memory					
Processors	Server authentication				
Security	O Windows Authentication mode				
Database Settings	<ul> <li><u>SQL</u> Server and Windows Authentication mode</li> </ul>				
Permissions	Login auditing				
	C None				
	C Eailed logins only				
	C Successful logins only				
	Both failed and successful logins     A succes				
	Server proxy account				
	Enable server proxy account				
	Proxy account				
Connection	Password:				
Server:	Options				
W01MIR_TST					
Connection: W01MIR_TST\Praesident	Enable C2 audit tracing				
View connection properties	Cross database ownership chaining				
Progress					
Ready					
	OK Cancel				

1.7.15.1.3 Step 3 - First Login

After a successful installation, the login screen should appear. In case of errors see troubleshooting

Depending on your installation you can start the Administration Interface either



- Click on the icon source on the desktop or in the program manager group
- <u>http://localhost/lpweb/login.aspx</u> (only on local machine) or
- http://yourservername/lpweb/login.aspx

To access the Administration Interface, you have to provide username / password. Depending on the user rights, not all options could be available.

The default username is admin and there is no password (leave password field empty).

	Activation Server 4	Administration Control Center
milage	ADMINISTRATION LOGIN:	
Activation	Username	
Server	Password	
U.	Forgot your password?	
	» Login	
	W Login	
		Activation Server Version 4.0.0.

If you forgot your password, your can request it by e-mail. Select Forgot your Password?

You have to specify a **new password** after the first login. Also specify your e-mail address (required if password is lost) and more settings like language or date format.

Press Save after you have filled out the form

148	Activation Se	rver 4				
c	J Change Your Password: Please ent	er and verify a new password belo	w.			Administration / Setup
		ew password below. assword rs long rith or contain your username pe Your Password			Subser Settings	Customize Screen - Manage Activations
	Username * E-mail * New Password * Verify New Password * Language Date Format	admin English 💌 English: 20/10/2012 💌				
				Save X Cancel		

Now all tests for the setup are done. A license file for a trial version was installed. If you bought the Activation Server 4, you have to activate your license

1.7.15.1.4 Step 4 - Activate License

## **Activation Server Windows and Mac**

After the installation, the Activation Server 4 is in a time limited trial mode. If you bought the Activation Server 4, you got a **Serial Number** either for the Windows or MAC version.

• Type in the Serial Number in the field: **Apply Key** and click on & to activate the license.

	Activation Server	149
Company Information: Specify your company name and other thing	Administration / Setup	Ļ
Use the form below to specify your company information	n.	
Company Information	Apply Key	
Company Name Mirage Computer Systems Company Logo Browse	•	
Server time zone UUTC+01:00) Belgrade, Bratislava,	Activation Server Mac	
Activation State none Expiry Date 13/07/2014		
	ave X Cancel	

- Activation State: Activated means that the license is active and valid
- If it is a trial version an expiry date is displayed
- Once the license is expired an online activation is no longer possible

Company Information: Specify you	ir company name and other things		Administration / Setup
Use the form below to spe	cify your company information.		
Com	pany Information	Apply Key	
Company Name	Mirage Computer Systems	Кеу	&
Company Logo Server time zone	UTC+01:00) Belgrade, Bratislava, 🔽	<b>9</b>	
Activ	vation Server Windows	Activation	Server Mac
Activation State	activated	Activation State	none
		Expiry Date	13/07/2014
		Save X Cancel	

If you are a Hosting user, your license is already activated.

## 150 Activation Server 4

1.7.15.1.5 Install Updates

The way to install an update depends if it is a minor or major Update. It is not necessary for users of the Mirage hosting service.

## Latest program version

The latest main release number is 4.2.2.3

The installed release number is displayed in the login screen in the bottom right corner.

	Activation Server 4	Administration Control Center
i miage	ADMINISTRATION LOGIN:	
activation /	Username	
Server 4	Password	
	Forgot your password?	
PT		
	>> Login	
		Activation Server Version 4.0.0.3

Release Number

- Update from version 4.0 or 4.1 to version 4.2 [151]
- Update from version 3.0 to version 4.0 154

1.7.15.1.5.1 Update to version 4.2



Customers who bought a license of Activation Server 4 will get an e-mail with a download link. If you did not get the e-mail you can request the installation package. E-Mail to <u>support@mirage-systems.de</u>.

The update requires a running instance of Activation Server 4.0 or 4.1.

The exact update version is: 4.2.x

The update has new system requirements. Windows Server 2003 is no longer supported. <u>Check the system requirements</u> before you install the update.

Step 1 - Check your version

Only install this update if you have version 4.0 54 or version 4.1 installed				
	Activation Server 4	Administration Control Center		
Activation Activation Server	ADMINISTRATION LOGIN: Username Password Forgot your password?			
		Activation Server Version 4.1.0.28		

Check Release Version - must be 4.0 or 4.1

## Step 2 - Make a Backup

Make a backup of all folders (typically inetpub\wwwroot\ActivationServer4).

## **Step 3 - Required information for installation**

To install the update you need:

- Your Serial Number
- The SQL Server login details

#### **Serial Number**

If you cannot locate your Serial Number contact <a href="mailto:support@mirage-systems.de">support@mirage-systems.de</a>.

#### **SQL Server login details**

If you cannot locate your SQL Server login details, open the file web. config (can the found in the installation folder, typically inetpub\wwwroot\ActivationServer4). Search for: *connectionString*. You find the SQL configuration data in this line (connectionString="user id=sa;data source=.\SQLEXPRESS;persist security info=False;initial catalog=activation\_server;password=Id9378378uejeUezR5§)

## **Step 4 - Start Update**

You have to start the update using the file **Update Activation Server 4.2.2.3.bat.** Starting the EXE installer would result in an error.

- Open a <u>DOS pompt</u>
- Update Activation Server 4.2.2.3.bat

During installation you have to provide the SQL Server login details.

Activation Server
-------------------

4	Mirage Computer Systems Activation Server 4	
Config	Jure SQL Connection	
Server:	SQLEXPRESS	]
	sa	]
Jsername:		
Username: Password:		]
Password:		]
	Next	





# Step 5 - Activate your Server license

The Serial Number for version 4 is required. You need a Serial Number for either Windows or MAC Server version. <u>Activate your license</u> [148]

Step 6 - Update E-Mail Activator Service

Updating the E-Mail Activator Service is only necessary if SLL is required.

(Update not yet available)

1.7.15.1.5.2 Update from version 3.0 to version 4.0

Major Update from version 3.0 to version 4

Version 4 uses a complete new infrastructure and therefore needs a full new installation.

First check the <u>system requirements</u> before you begin with the installation.

■ Major Update installation version 3.x to 4.x - step by step

# 1. Backup

# Backup the complete directory of the Activation Server 4, especially important is

- Your database
- project.config and all files from folder \PCONFIG
- All \*.xml files in the folder \alg and \pageconfig
- All files with the extension .lic in the folder \alg

Note: The installer will automatically create a folder \backup

# 2. Install the Activation Server 4 4.2

The installation is described in detail here

During the installation select **Upgrade an existing installation** 

^
Mirage Computer Systems Activation Server 4.0
If you upgrade an existing installation of the Activation Server, the database is updated and all projects are converted to the new version.
<ul> <li>New Installation</li> <li>Upgrade an existing installation</li> </ul>
Help
Back Next

Then select the folder with the old version of the Activation Server 4

×	3			
Mirage Computer Systems Activation Server 4.0				
Select the folder with the old version of the Activation Server.				
Folder old installation C:\inetpub\wwwroot\lpweb\				
Make a backup of this folder before you continue! The new version will be installed in this folder.				
Help				
Back Next				

# 3. Update your data

In the folder **\backup** open the file **web.config** and copy the following line into the clipboard

<add name="AS3" connectionString="user id=lpweb;data source=. \SQLEXPRESS;persist security info=False;initial catalog=lpweb;password=McQfdZVwQRUWW6kx" />

Older versions of the Activation Server could have

<add key="db" value="user id=LPWeb;data source=.\SQLEXPRESS;persist security info=False;initial catalog=LPWeb26;password=McQfdZVwQRUWW6kx" />

change this to

```
<add name="AS3" connectionString="user id=LPWeb;data source=.
\SQLEXPRESS;persist security info=False;initial
catalog=LPWeb26;password=McQfdZVwQRUWW6kx" />
```

In the **main installation folder** open the file web.config and replace **<add name="AS3" connectionString=""/>** with the content you copied from the backup folder.



Click on the icon where the desktop or in the program manager group to login

If any error occurs see troubleshooting

## 4. Update E-Mail Activator Service

No update is necessary

## 5. Activate your license

You got a Serial Number for either Windows or MAC Server version. <u>Activate your</u> <u>license</u>

## 6. Install Service Packs if available

Install the Service Pack 150



## Important changes

• The AutoLicGenerator.exe file cannot be used by external applications. If you want to use the Automatic Licence Generator for batch processing, use the version you got with

Licence Protector / All-In-One Protector and install it on another folder

- There is a new and better way to generate Key from an external application [82]
- The old license file licprotector.lic is deleted by the update program do not copy it from a backup to this folder

1.7.15.1.6 Step 5 - Install FTP Server

If you want to use the automated project upload feature, install an FTP Server. You need to type in the FTP login details (username, password) within the configuration screen for your <u>own server</u>.



- Anonymous FTP is not supported
- As the project templates contain all the necessary information to create keys, you should allow only to upload files but disable downloads

1.7.15.1.7 Step 6 - Perform System Check

This step is only necessary if you run into an error.

Activation Server 4 has an included mechanism to check, if the setup was successfull. It is called **TestConfiguration** and can be started with a web browser on the **server machine (this test can be done only on the server).** 

Open the browser and type http://localhost/lpweb/lpws.asmx . You will see a list of all calls Activation Server 4 provides. Click on *TestConfiguration*.

Now you can enter two parameters: The project and the ModuleID. In the provided Demo Application you should enter "demo-easygo" (case sensitive!) and "QHD001". Press the button to start the test.

A product activation is now simulated. Check the output in a new browser window:

<?xml version="1.0" encoding="utf-8" ?>

<string xmlns="http://www.mirage-systems.de/">Checking log.config: configured file 'C:\\Inetpub\\wwwroot\\lpweb\\log.config' found. Checking licprotectorws.config: configured file 'C:\\Inetpub\\wwwroot\\lpweb\\licprotectorws.config' found. Checking database: Reading...ok Writing...ok Testing project 'Demo Project': Test WebRegister for project Demo Project and module D1001: successful: Set WebActivation to 2. Created 2 keys: Key 1: 8CDsW-ICq93-jG6IS-4CMOt-zJDii-6J1k6 Key 2: I7D2I-5CLj3-9G5I7-3CBO7-fJD5i-6K14G No problem recognized at testing configuration. Continue with further setup tests.</string>

If the string ends with "**Continue with further setup tests**." then the System seems to be set up correctly. Nevertheless you should do further tests. Otherwise have a look at the log file.

In case of errors see troubleshooting 1601.

After a successful system check, the last step is login into the Administration Interface

The web site is automatically loaded

1.7.15.1.7.1 Troubleshooting

Find below errors which could occur after an installation or after an upgrade

- If buttons are missing then delete the Browser Cache
- Error **Invalid object name 'tblUser'**. when you try to login. This would typically happen after a new installation. Restart the Windows Server to finish the installation
- Buttons are visible but the design (images) are missing

tivation-Server	4 Prope	rties		?		
Documents Web Site		tory Security	HTTP Headers	Custom Errors Home Directory		
The content for this resource should come from: • A directory located on this computer						
C A share located on another computer C A redirection to a URL						
Lo <u>c</u> al path:	C	\Inetpub\www.ro	oot\ActivationServer	Br <u>o</u> wse		
Script source access     Image: Constraint of the second constraint of						
Directory browsing Application settings						
Application nam	e:	Activation-Ser	ver4	Remove		
Starting point:		<activation-se< td=""><td></td><td>Configuration</td></activation-se<>		Configuration		
Execute permis:	sions:	Scripts and Ex-	ecutables 🔄			
Applicatio <u>n</u> pool	:	activation-serv	/er-pool	Unload		
		ОК	Cancel 4	Apply Help		

If IIS 6 is used, check if Script source access is enabled

- If Windows 2008 Server is used, ensure that you have installed all features including the IIS6 Management compatibility console.
- If you start the Administration Interface and you get the error Access to the path 'C: \inetpub\wwwroot\pweb\pagecontent\UserDirectories\xy/' is denied, - check right [17]

#### • Error = <compilation targetFramework="4.0"/> Check the following settings

Server Manager File Action View Help 🗢 🔿 🖄 📅 🛛 😰 Server Manager (DIETERHRLED62E Roles 🔯 🖂 🟠 I 🙆 🚽 Web Server (IIS) O
 DIETERHRLED62E 
 Application Pools Co Acti Application Pools 🔍 • 🔒 🖄 🕵 Add Application Pool... Start Page Set Application Pool Defaults. Start Page
Application Pools
Start Page
Application Pools
Sites
App\_Browsers
App\_Themes
App\_Themes This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications. Application Pool Tasks Start • 🔐 Go 🕞 😽 Show All | Group by: Filter: Stop Or Bandaripa Ŧ 
 Name
 Status
 .NET Frame...
 Managed Pipeli...
 Identity

 activation-server...
 Started
 v4.0
 Integrated
 Networks
 Device Manager
 Configuration 💈 Recycle. Edit Application Pool Configuration
 Task Scheduler
 Or Task Scheduler Integrated Classic ASP.NET v4.0 Started v4.0 Applicati Basic Settings... ASP.NET v4.0 Cl... Started v4.0 Applicatio Classic .NET App... Started v2.0 Classic Applicatio Recycling. WMI Control DefaultAppPool Started v2.0 Integrated Applicatio Advanced Settings... - 👼 Rename Users 🗙 Remove E Storage View Applications Disk Management 🕜 Help

.NET Framework must be set to Version 4

Error Unrecognized attribute 'xmlns' / Unbekanntes Attribut 'xmlns' or error 503/

🔄 IIS 7

Check the following settings

.NET Framework must be set to Version 4

📕 Server Manager								_ 🗆 ×
File Action View Help								
🗢 🔿 🖄 📊 🚺								
Server Manager (DIETERHRLED62E		s (IIS) Manager LED62E   Application Por	bls					- O I 🖄 🖂 🗹
Features     Diagnostics     Event Viewer	Connections		n Pools				Actions	olication Pool
Custom Views     Windows Logs     Applications and Service     Subscriptions	Start Page	This page lets you view a Application pools are ass applications, and provide Filter:	ociated with isolation a	n worker proces mong different	sses, contain one or i	more	Applic Start	lication Pool Defaults
O     Performance     Device Manager     Configuration	⊡	Name A	Status	-	Managed Pipeli Integrated	Identity     Network	Stop	
	App_Themes     aspnet_dient     F	ASP.NET v4.0	Started Started	v4.0 v4.0	Integrated Classic	Application Application	Basic Se	oplication Pool
Services  WMI Control  Services  WMI Control  Code Users and Groups  Users		Classic .NET App DefaultAppPool	Started Started	v2.0 v2.0	Classic Integrated	Application Application	Recyclir Advanc Rename	ed Settings
Groups Storage Windows Server Backup	ternet in the second s						X Remove View Ap	plications
Disk Management							🕢 Help	

## Activation Server 4

iternet Information Services (IIS)	) Manager , F∵, Flpweb F		
e Ylew Help			
nections	/Ipweb Home		Actions
Enter prese	Group by: No Grouping	- BS -	
App_Themes	Feature Name 🔺	Description	Basic Settings
🕀 🎬 bin	💩 .NET Compilation	Configure properties for compiling managed code	View Virtual Directories
😟 🧮 export	😌 .NET Globalization	Configure globalization properties for managed code	
⊞- 🧮 languages	.NET Profile	Configure options that track user-selected preferences in ASP.NET applications	Manage Application
🗈 🛄 logs	NET Roles	Configure user groups for use with .NET Users and Forms authentication	Browse Application
🗈 🛄 mail	.NET Trust Levels	Configure trust-level policy files and the selected trust level for ASP.NET applications.	Browse *:80 (http)
🗈 🧮 pagecontent	.NET Users	Manage users who belong to roles and who use Forms authentication	Browse *:443 (https)
🗄 🧮 pconfig	Application Settings	Configure name and value pairs for managed code to use at runtime	Browse - (443 (https)
reports     isercontrols	Authentication	Configure authentication settings for sites and applications	Advanced Settings
	Authorization Rules	Configure rules for authorizing users to access Web sites and applications	Help
	Compression	Configure settings to compress responses	· ·
	Connection Strings	Configure strings that Web sites and applications can use to connect to data sources	Online Help
	Default Document	Configure default files to return when clients do not specify a file in a request	
	Directory Browsing	Configure information to display in a directory listing	
	Error Pages	Configure pages to return when errors occur	
		Configure logging of failed request traces	
	Handler Mappings	Specify resources that handle responses for specific request types	
	HTTP Redirect	Specify rules for redirecting incoming requests to another file or URL	
		Configure HTTP headers that are added to responses from the Web server	
		Configure users who can administer sites and applications	
	😽 IPv4 Address and Dom	Restrict or grant access to Web content based on IPv4 addresses or domain names	
	Logging	Configure how IIS logs requests on the Web server	
	🔐 Machine Key	Configure hashing and encryption settings for managed application services	
	MIME Types	Configure extensions and associated content types that are served as static files	
	Modules	Configure native and managed code modules that process requests on the Web server	
	Gutput Caching	Specify rules for caching served content in the output cache	
	Pages and Controls	Configure properties for pages and controls in ASP.NET applications	
	Recyclers	Configure providers for provider-based application services	
	session State	Configure session state settings and Forms authentication cookie settings	
	SMTP E-mail	Configure e-mail address and delivery options to send e-mail from Web applications	
	SSL Settings	Specify requirements for SSL and client certificates.	

Edit Application		? ×
Site name: <b>Hiraga</b> Path: /		
Alias: Ipweb	Application pool: DefaultAppPool	Select
Example: sales Physical path: D:\WWWRoot\lpweb		
Pass-through authentication <u>Connect as</u> Test Settings.		
	ОК	Cancel

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Select Application Pool	×
Application pool:	
DefaultAppPool	
Properties:	
.Net Framework Version: 2.0 Pipeline mode: Integrated	
OK Cancel	

## 🔁 IIS 6

In the IIS probably ASP 1.x is assigned instead ASP 2.x. Open the lpweb configuration in IIS, select the ASP.NET Tab and change ASP.NET version to **2.x** 

Eigenschaften von Ipweb		<u>? ×</u>
Virtuelles Verzeichnis HTTP-Header	Dokumente Benutzerdefinierte Feh	Verzeichnissicherheit ler ASP.NET
ASP.NET version: Virtual path: File location:		root\lpweb\web.config
File creation date: File last modified:	05.09.2008 15:5	
	OK Abbrechen	Ü <u>b</u> ernehmen Hilfe

If you cannot select asp.net version 2.0 then activate the version using

C:\Windows\Microsoft.NET\Framework\v2.0.50727\aspnet\_regiis.exe -i

## ■ HTTP Error 500.19

- Go to control panel -> Uninstall a program -> Turn Windows Features on and off
- Open the Internet Information Server branch -> World Wide Web Service Branch -> Application Development Features

Select the following features

Windows Features					
Turn Windows features on or off					
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means that only part of the feature is turned on.					
E      FTP Publishing Service					
🕀 🔳 🔐 Web Management Tools					
🖃 🔳 🚡 World Wide Web Services					
🖃 🔲 🔒 Application Development Features 🗧					
.NET Extensibility					
ASP					
ASP.NET					
CGI					
ISAPI Extensions					
ISAPI Filters					
Server-Side Includes					
🕀 🔳 Common Http Features 💌					
OK Cancel					

Could not load file or assembly 'vjscor'

The J# Redistributable Package is missing - Installation

Could not load file or assembly 'DocumentFormat.OpenXml, Version=2.0.4725.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35' or one of its dependencies

The open XML SDK is missing or a wrong version is installed - Installation

Could not load page

If you get an error that a page can not be loaded then Start IIS. Expand your computer name and click on "**Web Service Extensions**". Make sure "ASP.NET" has a checkmark next to it, and that means that it's enabled.

🐚 Internet Information Servic	es (IIS) Manager	
🐚 <u>F</u> ile <u>A</u> ction <u>V</u> iew <u>W</u> indov	w <u>H</u> elp	_ Ð ×
← → 🗈 🖬 😭 🗟		
Internet Information Services JONATHAN-2003 (local com Description Pools	Web Service Extensions	Status
🕀 📁 Web Sites		Prohibited
⊕ 🤪 Web Service Extension:	Allow All Unknown CGI Extensions	Prohibited
	Prohibit Active Server Pages	Prohibited
	ASP.NET v1.1.4322	Allowed
	Properties 🔊 Internet Data Connector	Prohibited
	Server Side Includes	Prohibited
	Tasks WebDAV	Prohibited
V		
	Allow all Web service extensions for a specific application	
	Prohibit all Web service extensions	
	Open Help	
	Extended Standard	

- If you try to login and get the error invalid object name 'tbluser' Change collation of database to "Latin1\_General\_CI\_AS"

#### **To restart IIS services**

- <sup>1.</sup> From the Start menu, point to Administrative Tools, and then click Internet <sup>1.</sup> Information Services (IIS) Manager.
- <sup>2</sup>. In IIS Manager, right-click the local computer, point to **All Tasks**, then click **Restart** 
  - In the What do you want IIS to do drop-down list, click Restart Internet Services
- 3.on computer name. You can also choose to reboot the computer, stop the Internet service, or start the Internet service.
- 4. IIS attempts to stop all services before restarting.

To start, stop, or pause individual sites

• In IIS Manager, right-click the site you want to start (select LPWEB), stop, or pause; and click Start, Stop, or Pause.

Create Unlock Key (manual product activation) fails with - http status 404 - not found

If creating a <u>Serial Number</u> 64 is working but creating an Unlock Key (manual product activation) fails with the error message: http status 404 - not found then check the entry

<add key="WebServiceURL 177" value="http://localhost/lpweb/lpws.asmx" />

in the file <u>web.config</u> [173]. The URL must direct to the page lpws.asmx and if you type in the URL in the Browser it should open this page - see <u>Perform System Check</u> [159]

Java script errors on IIS7

If you get java script errors, check the application pool setting in IIS 7. It must be set to **Classic.net AppPool**.

IIS 7 - check the following settings Check the following settings

.NET Framework must be set to Version 4



1	67
	<b>U</b> 1

/lpweb	Home	Actions Description
Group by: No Group	ing - 📴 -	Edit Permissions
App Themes Feature Name A	Description	Basic Settings
bin SIT Compilation	Configure properties for compiling managed code	View Virtual Directories
export 📀 .NET Globalization	Configure globalization properties for managed code	
anguages 🔂 .NET Profile	Configure options that track user-selected preferences in ASP.NET applications	Manage Application
NET Roles	Configure user groups for use with .NET Users and Forms authentication	Browse Application
NET Trust Levels	Configure trust-level policy files and the selected trust level for ASP.NET applications.	Browse *:80 (http)
content 💦 .NET Users	Manage users who belong to roles and who use Forms authentication	
Application Setting	s Configure name and value pairs for managed code to use at runtime	Browse *:443 (https)
5 Authentication	Configure authentication settings for sites and applications	Advanced Settings
ntrols	s Configure rules for authorizing users to access Web sites and applications	
Compression	Configure settings to compress responses	🔞 Help
Connection String	Configure strings that Web sites and applications can use to connect to data sources	Online Help
Default Document	Configure default files to return when clients do not specify a file in a request	
Directory Browsin	g Configure information to display in a directory listing	
Error Pages	Configure pages to return when errors occur	
Request Tr	cing Configure logging of failed request traces	
Handler Mappings	Specify resources that handle responses for specific request types	
HTTP Redirect	Specify rules for redirecting incoming requests to another file or URL	
HTTP Response H	eaders Configure HTTP headers that are added to responses from the Web server	
🛞 IIS Manager Perm		
😽 IPv4 Address and	Dom Restrict or grant access to Web content based on IPv4 addresses or domain names	
Logging	Configure how IIS logs requests on the Web server	
🔐 Machine Key	Configure hashing and encryption settings for managed application services	
MIME Types	Configure extensions and associated content types that are served as static files	
Modules	Configure native and managed code modules that process requests on the Web server	
😪 Output Caching	Specify rules for caching served content in the output cache	
Pages and Contro		
Recycles 8	Configure providers for provider-based application services	
Session State	Configure session state settings and Forms authentication cookie settings	
SMTP E-mail	Configure e-mail address and delivery options to send e-mail from Web applications	
SSL Settings	Specify requirements for SSL and client certificates.	

Ed	lit Application		? ×
	Site name: Hiraga Path: /		
	Alias: Ipweb Example: sales	Application pool: DefaultAppPool	Select
	Physical path: D:\WWWRoot\lpweb		
	Pass-through authentication	s	
		ОК	Cancel

#### 168 Activation Server 4

Select Application Pool ? >	<
Application pool:	
DefaultAppPool	
Properties:	
.Net Framework Version: 2.0 Pipeline mode: Integrated	
OK Cancel	

#### ■ MAC versions - product activation - Error 3001

If an activation of a MAC version gives error 3001 and this error occurs the first time after the installation of theActivation Server 4, change the following settings in the IIS

<b>6</b>	Internet Information Services (IIS) Manager	_ <b>_ </b> ×
Contraction Contraction	F >	😂 🛛 🔂 🕡 - 🔻
File View Help		
Connections  Start Page  A By Server  A App,Browers  A App, Themes  B Activation-Server4  App, Themes  B App, Themes B App,	Filter:       • Go • Show All   Group by: Area       • Im •         Futurorization:       • Controls       • Im •         Automatic:       • Outplation       • Fage       • Im •         Session State SMTP E-mail       • Im •       • Im •       • Im •         FTP       FTP       FTP       FTP FTP Directory FTP Firewall       FTP IP 0       Im •         Authentic:       Authentic:       Browsing       Support       Address a       Messages       FTP Filtering       Settings         IFP       FTP       Iso       Im •	Actions Open Feature Manage Server Restart Setart Stop View Application Pools View Sites Change NET Framework Version Get New Web Platform Components Help
p - <u>a</u> reports p - <u>a</u> usercontrols p ← Default Web Site	ASP Authentic CGI Compression Default Directory Browsing Error Pages Failed FattCGI Handler Mappings HTTP ISAPI and ISAPI Filters Logging MIME Types Modules Output Caching Error Caching Control	



The database structure is created during the first start of the Activation Server 4. The following step is only necessary if there is a problem with the automatic generation of the tables.

Use SQL Server Enterprise Manager

The configuration settings expect to have the SQL server configured with SQL Server Authentication and not with *Integrated Login*.

Note that this tool only is available if you have SQL Server installed. If you use MSDE there is no Enterprise Manager. In that case you have to use OSQL command line utility.

Step 1: Open Enterprise Manager Step 2: Expand the tree on the left side:

Console Root [ Microsoft SQL Servers [ SQL Server Group [ your Server [ Databases

Step 3: Right click on Databases and choose New Database

170	Activation Serve	er 4	
(	Console Root Gamma Microsoft SQL Se Gamma SQL Server G Gamma (local) (W Gamma Data	āroup Vindows NT)	Databases
		na New Database	
		<sup>ne</sup> All Tasks	•
	± 💆 N	ns No View Du New Window f	rom Here
	🕀 💆 S	5a 5a Export List	
	II 👗 🥇 .	5a Help empoo	

Step 4: Enter the name e.g.	LPWeb23 and	press the	Ok button.	Now the	database is
created.					

Database Properties - LPWeb23	×
General Data Files Transaction Log	
Name: LPWeb23	
Database	
Status:	(Unknown)
Owner:	(Unknown)
Date created:	(Unknown)
Size:	(Unknown)
Space available:	(Unknown)
Number of users:	(Unknown)
Backup	
Last database backup:	None
Last transaction log backup:	None
Maintenance	
Maintenance plan:	None
Collation name:	(Server default)
	OK Cancel Help

.Step 5: Double-Click on the newly created database. From menu above choose "Tools [ SQL Query Analyzer"

Step 6: Add the database in the web.config file

In the web.config file add the database name, user and password

<add name="AS3" connectionString="user id=sa;data source=MIRAGE-LPX350TU \SQLEXPRESS;persist security info=False;initial catalog=lpweb;password=x8736kie938" /> The next launch of Activation Server 4 will add the tables.

Continue with the customization of the config-files.

<u>Note</u>

If you do not want to use the user sa for this database then create a user who has **full** read and write access.

The Open XML SDK 2.0.5022.0 for Microsoft Office is required. As exactly this version is required, download it only from the link. This step is only required with a manual installation.

Download - OpenXMLSDKv2.msi

The ASP.NET Ajax Extension is required and can be downloaded from the Microsoft Website. This step is only required with a manual installation.

#### **Download**

#### 1.7.15.1.7.2 Necessary rights for ASP service

The ASP application works with an IIS-process 'user'. This user must have **full read and** write access.

## **IIS 6**

The user name is **IWAM\_Machine Name**. These rights should be given to the **complete Ipweb folder with all subfolders**. The same is for the user **IUSR\_Machine name** and **user ASP.NET** access. If you have a group **IIS\_WPG**, add also full read and write access. If **NETWORK SERVICE** is available also add this user.

## IIS 7 and above

The user name is **IUSR** and the group name is **IIS\_IUSRS**. If **NETWORK SERVICE** is available also add this user.

The necessary rights can not be configured in the IIS. They have to be configured for the file system.

- Login as administrator
- Open your file explorer

#### 172 Activation Server 4

- Choose the lpweb folder
- Right-click and choose Properties
- On the "Directory Security" tab you can edit the access rights
- Set all rights to full access
- Click Advanced
- Select Inherit from parent the permission entries that apply to child objects

Also check the following settings and give read/write access to MSSharePointAppPool

b Properties		
HTTP Headers	Custom Errors	ASP.NET
Virtual Directory	Documents	Directory Security
The content for this re	source should come from:	
(	A directory located on this computer	
С.	A share located on another computer	
0	A redirection to a <u>U</u> RL	
Local path:	:\Inetpub\wwwroot\mirage\lpweb	Br <u>o</u> wse
Directory <u>b</u> rowsing		
Application settings	-	
	Ipweb	Remove
Application name:	pweb <default site="" web="">\lpwe</default>	
Application settings Application name: Starting point: Execute permissions:		Remove

1.7.15.1.8 Additional configuration

You can change the default values which the installer configured. Changing these values should only done with care

- define basic settings of the Activation Server 4 one configuration per server web.config file [173].
- As an option you can change parameters for the log file in the log.config file

You have to restart the Activation Server after making configuration changes.

#### 1.7.15.1.8.1 Web.config file

If you use the <u>MSI installer</u>, the configuration is done automatically and only necessary, if you want to manually change default settings.

This file resides in the root directory of the web application (e.g. c:\inetpub\wwwroot\lpweb \web.config)

The file has a lot of configuration options which should not be changed. This tutorial describes only options you could change.

You can

- 1. Define where the log-configuration can be found: Simply adapt the value of the key "logconfig" to your Web Application path (e.g. c:\\inetpub\\wwwroot\\Ipweb\\log). Note to use two backslashes in the path-value
- 2. Define where the configuration for the project files can be found: Simply adapt the value of the key "licprotectorwsconfig" to your Web Application path (e.g. c:\\inetpub\\wwwroot \\lpweb). Note to use two backslashes in the path-value
- 3. The database connection string: Set the value of the key "db" according to your database position.
- Set "user id" to a user who has read and write access to your LPWAS database. The system administrator "sa" is not a bad choice.
- Set "password" to the password of the configured user.
- Set "data source" to your SQL Server machine.
- Set "initial catalog" to your LPWAS database-name. Normally that name is LPWeb.

A path can be specified to export data (<u>exportpath</u>), for reports (<u>reportpath</u>) and for the language file. These folders must exist and **read and write permission** is necessary.

Here is the configuration for our example. The Web Application is installed in c:\inetpub \wwwroot\lpweb, the database machine is "mysqlserver", the database is named "LPWeb" and the user "sa" has the password "secret":

```
<?xml version="1.0" encoding="utf-8" ?> <configuration>
```

#### <appSettings>

<add key="<u>logconfig</u>]<sup>178</sup>" value="C:\Inetpub\wwwroot\lpweb\log.config" /

>

<add key="licprotectorwsconfig[175]" value="C:\Inetpub\wwwroot\lpweb \project.config" />

<add key="db 174" value="user id=lpweb;data source=PCname
\mysqlserver;persist security info=False;initial catalog=lpweb;password=your</pre>

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password" />		
	<add key="&lt;u&gt;exportpath&lt;/u&gt;, rs;" value="C:\Inetpub\wwwroot\lpweb\export&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;\"></add>	_
	<add key="&lt;u&gt;reportpath&lt;/u&gt;[176]" value="C:\Inetpub\wwwroot\lpweb\reports&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;\"></add>	
	<add <u="" key="languagefile [175]" value="C:\Inetpub\wwwroot\lpweb\languages&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;\languages.xm&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;add key=">LPWebFrontend 175].net.registerserver.licenseProtector-</add>	
ASP.Net-WebS	Service" value="http://localhost/lpweb/lpws.asmx"/>	
	<add key="loglevel[176]" value="4"></add>	
	<add key="&lt;u&gt;WebServiceURL&lt;/u&gt; 177" value="http://localhost/lpweb/&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;lpws.asmx"></add>	
<td>ettings&gt;</td>	ettings>	

<system.web>

•••

Find below a list of all parameters, which are relevant for configuration. Only change the parameters if necessary, as a wrong configuration would stop the Activation Server 4.

Path for a database backup. The folder needs read and write permission.

#### Example

<add key="BackupPath" value="C:\Inetpub\wwwroot\Ipweb\DBBackup"></add>

The database connection string. Set the value of the key "AS3" according to your database configuration.

- Set "user id" to a user who has read and write access to your Activation Server 4 database
- Set "password" to the password of the configured user.
- Set "data source" to your SQL Server machine, e.g. MIRAGE-LPX350TU \SQLEXPRESS
- Set "initial catalog" to your database-name. The default name is lpweb.

#### Example

<add name="AS3" connectionString="user id=sa;data source=MIRAGE-LPX350TU \SQLEXPRESS;persist security info=False;initial catalog=lpweb;password=x8736kie938" /> Path where to temporarily store files for data exports. The folder needs **read and write permission**.

#### Example

<add key="ExportPath" value="C:\Inetpub\wwwroot\lpweb\export\"></add>

Link to the latest online help

#### Example

<add key="Help" value="http://www.helpserver.biz/onlinehelp/lp/was/admin/3.0/help2000/ index.html?was\_tutorial\_web\_activation\_server.htm"></add>

Never change this information.

Path for the language file. The folder needs read permission.

#### Example

<add key="Languagefile" value="C:\Inetpub\wwwroot\Ipweb\languages\languages.xml"></add>

This limits the number of manual requests through a web interface within a specific time frame to stop a SPAM attack.

Example <add key="KeyRequestLimitation" value="on"></add>

Possible Values

On = activates the limitation

Off = deactivates the limitation

The values are configured in the file <u>Keygenerator.xml</u> [178] (folder \pagecontent)

ersetzt - nicht mehr gültig

This file was used up to version 3.0 and is now no longer in use. The project configuration is stored in the folder \PCONFIG. Details see Configure a Project

To ensure backward compatibility, the file is still supported.

ŧ

Name of the configuration file of the log file. Details see log.config 177 file.

Example

<add key="LogConfig" value="C:\Inetpub\wwwroot\Ipweb\log.config"/>

Defines, which events are logged. The filename is defined in LogConfig 176.

Possible values are

 $0 = \log disabled$ 

- $1 = \log only exceptions$
- $2 = \log$  exceptions and paging
- $3 = \log$  exceptions, paging and actions
- 4 = log exceptions, paging, actions and status messages

The Activation Server 4 offers different options for All-In-One Protector and Licence Protector.

#### Possible Values

no = Configuration for Licence Protector. yes = Configuration for All-In-One Protector



Never change these settings. The Activation Servers are different and each server comes an own installation package.

Path where to temporarily store files for reports. The folder needs **read and write permission**.

#### Example

<add key="ExportPath" value="C:\Inetpub\wwwroot\Ipweb\reports\"></add>

This limits the number of manual requests through a web interface to send customer data within a specific time frame to stop a SPAM attack.

Example <add key="SendCustomerInfoLimitation" value="on"></add>

Possible Values

On = activates the limitation Off

Off = deactivates the limitation

Path to the Activation Service

Example

<add key="WebServiceURL" value="http://localhost/lpweb/lpws.asmx"/>

Main version number of the Activation Server 4.

Never change this information.

#### 1.7.15.1.8.2 Log.config file

If you use the <u>MSI installer</u>, the configuration is done automatically and only necessary, if you want to manually change default settings.

This configuration file configures the log file. You may only change the highlighted values.

The **latest** log file can be downloaded in the menu *Administration / Setup*, <u>Download Log</u> <u>File</u> 88. Additional backups of log files are only available via FTP in the folder ...logs.

```
<log4net>
```

```
<appender name="RollingFileAppender"
type="log4net.Appender.RollingFileAppender">
              <file value 178="logs/lpws.log" />
              <appendToFile value="true" />
              <rollingStyle value="Size" />
              <<u>maxSizeRollBackups value</u> 178="10" />
              <maximumFileSize value 178="1000KB" />
              <staticLogFileName value="true" />
              <layout type="log4net.Layout.PatternLayout">
                      <param name="ConversionPattern" value="%d [%t] %-5p %c [%x] -</pre>
%m%n"/>
              </layout>
       </appender>
       <root>
              <level value="DEBUG" />
              <appender-ref ref="RollingFileAppender" />
```

```
<app
</root>
```

```
<logger name="de.subware.common.swbase">
```

```
<level value="WARN" />
```

</logger>
</log4net>

This parameter defines the folder and filename. The folder needs a full read write access for the ASP.NET service - See <u>Necessary Rights for ASP Service</u> [17].

<file value="logs/lpws.log" />

Defines the number of backup log files. A backup log file is created when the size per logfile exceeds the defined size - see <<u>MaximumFileSize\_value</u> .

#### Example

If you specify 10, then 10 log files are kept as a backup. Instead of creating an 11th log file, the 10th log file is deleted and and a new log file is created with the name specified in  $<\underline{\text{file}}$  value 178

```
<maxSizeRollBackups value="10" />
```

Defines the maximum filesize of a logfile. If the filesize exceeds this limit, the logfile is copied to a backup (up to a maximum number of backups defined in <<u>MaxSizeRollBackups\_value</u>178>.

<maximumFileSize value="1000KB" />

1.7.15.1.8.3 Folder Pagecontents

The folder pagecontents holds some additional configuration files

This file can be used to limit the number of activations and requests, which are done through the web interface. It would limit a SPAM attack.

<id>interval</id>

<id>interval</id>

<value>1</value>

<id>type</id>

Type (day, hour, minute)

<value>minute</value>

maxrequests</id>

number of allowed requests within the specified time frame

<value>5</value>

You have to activate this feature in the web.config file with the parameter KeyRequestLimitation [175]

#### 1.7.15.2 E-Mail Activator Service

The E-Mail Activator Service is a service, which scans an E-Mail account for activation requests and **automatically performs the product activation**. The end user will instantly get an Unlock Key back.

The main features are:

- Scan an E-Mail
- Decide, if it is an E-Mail for product activation or another type of E-Mail
- Perform an activation or reactivation using the Activation Server 4 server
- Send back an E-Mail to the end user with different E-Mail content for: successful activation, denied activation in case the Serial Number / ID was already used or locked, Erroneous Activations
- Reply messages can be defined in all languages supported by Licence Protector
- Forward message for every successful or erroneous E-Mail
- Send all E-Mails to an archive E-Mail account

The E-Mail Activator Service consists of 2 applications:

- An application to configure all settings E-Mail Activator Configurator
- A service which runs without user interface E-Mail Activator Service

1.7.15.2.1 Automatic E-Mail Activation - How is it working?

The E-Mail Activator - Service can handle E-Mail activations, because each activation E-Mail contains a special coded text area, where all information regarding activation like

- Product Name
- Customer Name
- E-Mail Address
- Serial Number
- Language
- Module ID

is available.

#### Example

The following block contains the information of this email in an automatically processable form. Please do not change the information, since otherwise the processing will not be possible or will be delayed.

```
--- STARTBLOCK ----
```

```
r2eQaK51fzPk81PPLBs1R2gZc1A9GfU1tng8s1Cm6fu22vlo42eSn081fAVI611Vn
jE1ucsql1hHdiX1qRlBD0RLb1H1VFWpl1Ms0CB20gwHr22leEx1ujjwT1hHdiX1Bf
m9e2bqqty1TelVq1wu0my1k5vkn1Uot9k1wuyNi1tmqg61dplkR1t7CKV0U18Yl1y
RrLG10D1iw1360GV1R2kYU1B1U1w1NL63q1PTUoM1k4DQU1gEV3h1ECmnD11S8bZ1
hMJFu1vyQlg1xQu2y22pDny0U4XRl2eYq0C1EppGq0U1Vc31ntPx01DyTSo1vALF9
1NI3Eu137mtU1tgmZ61CpWIX10Bnjo2bqre01BfVvY20hn3m204qtH1fEd2l2eTpc
s1C6JQ71l7yUT1hR73i1C85q11VEz2l1R1wwc1gEEls
--- ENDBLOCK ---
```

The Unlock E-mail is sent back in the language the user selected in the activation screen.

#### Example

If the activation screen is in French, the reply e-mail with the Unlock Key is sent back in French.

1.7.15.2.2 Installation of the E-Mail Activator Service

## **Hosting Users**

Download the configuration application <u>E-Mail Activator - Configurator</u> from the Administration menu - option: <u>E-Mail Configuration</u> 2 and start the installer: **activator-install-hosting.exe**.

Configure your e-mail settings and then upload the settings to the Activation Server 4

## Running an own server

- Download E-Mail Activator (Version: 4.2)
- Start the file: **email-activator-install.exe**. It installs the application <u>E-Mail Activator -</u> <u>Configurator</u> and also installs the service: <u>E-Mail Activator - Service</u> **100**.

Configure your e-mail settings 100 and then save the files 192 on the Activation Server 4 191.

1.7.15.2.3 Configuration of the E-Mail Activator Service

The E-Mail Activator - Configurator is a standalone application, which you can either run on the same system, where the Activation Server 4 is located, or you can download the application to your local PC.

With this application you configure:

- Incoming E-Mail account
- The processing of the E-Mail 183
- Response E-Mail Text 184
- Outgoing E-Mail account 187
- Scheduler 188
- Test the configuration 189
- General settings
1.7.15.2.3.1 What is a Workflow Rule?

It would be possible, to define for each product you have a different workflow for the E-Mail Activation, e.g. to use

- Different <u>Response Text</u> 184
- Different <u>Activation Servers</u>
- Different <u>E-Mail Forwarding options</u>
- Different <u>Schedules</u>

Normally, you would only have one *Default* workflow rule.

Press **Edit** to edit a workflow rule Press **New** to create a new workflow rule Press **Delete** to delete a existing workflow rule

To use different workflows, you need a **different** E-Mail address for <u>incoming E-</u> <u>mail</u> for every product.

For Hosting users, only one workflow rule is possible to avoid an overload of the server.

1.7.15.2.3.2 Incoming E-Mail

Specify the POP3 mailbox account for the **incoming E-Mail**. This E-Mail address is specified in the command *SetRegisterSettings*.

182

🖁 E-Mail Activa	tor - Configurator							
Workflow Rule	demo-easygo		Edit	New	Delete			
Incoming E-Mail	E-Mail Processing	Response E-Mail	Outgoing E-Ma	ail Scheduler	Test Config	guration G	eneral	
POP3 Mailbox								
Servername	pop.1und1.de			Server Por	t Number	110 🚔		
Account	activation-regis	ter@registerserver.r	et	]				
Password	**********			]				
E-Mail Notfica	ation Activation Messages	to address	activation-e	rror@registerse	rver.net			
			9	ave and Check	(Workflow	Save	Workflow	Cancel (
			Incomin					

#### Incoming E-Mail

# POP3 Mailbox

- Servername: The name of the incoming E-Mail server e.g. pop.myserver.de
- Account: Your account name
- Password: Password for the account
- Server Port Number. Port to use for incoming E-Mails

#### **E-Mail Notification**

 Forward Non-Activation messages to - sends a copy of the E-Mail, if the E-Mail contains no activation related information (like SPAM), to the specified E-Mail address. No other action is performed as only E-Mails with Activation information are processed

#### Hosting Users

Typically you would use an E-Mail address with your domain. In case you don't have a pop3 E-Mail account, we provide for hosting users a free E-Mail account. The E-Mail address is: <u>HostingNumber@registerserver.net</u>. Please contact <u>support@mirage-systems.de</u> to get a password and account data.

The configuration settings are:

- Servername: pop.1und1.de
- Account: <u>HostingNumber@registerserver.net</u>

A Browser based E-Mail account administration is available at <a href="https://webmailcluster.1und1.de/">https://webmailcluster.1und1.de/</a>

Mirage does not make any backup of the E-Mails. Use the *E-Mail Notification* feature to forward E-Mails for backup and archive purposes.

#### 1.7.15.2.3.3 E-Mail Processing

You specify here the settings to communicate with the Activation Server 4.

🔏 E-Mail Activator - Configurate	or	
Workflow Rule demo-easygo	Tedit New Delete	
Incoming E-Mail E-Mail Processing	Response E-Mail Outgoing E-Mail Scheduler Test Configuration Gener	al
Activation Server		
URL to Activation Service http:/	/192.168.178.35/lpweb/lpws.asmx	
Proxy Settings		
Use Proxy Server		
Internet Explorer Settings?		
Proxy-Server	Proxy-Port 0 🔝	
Special Workflow		
📝 Use Project from E-Mail	Always use this project	
📝 Use Module from E-Mail	Always use this module	
E-Mail Notification		
Forward successfully processed	messages to activation-successful@registerserver.net	
Forward erroneous processed m	activation-error@registerserver.net	
	Save and Check Workflow Save Work	kflow Cancel 🕐

E-Mail Processing

# Activation Server

*URL to Activation Service:* This is the URL to the Activation Server. You already use this URLin the project template, TAG <WebServiceURL>.

For Hosting users the URL is: <u>http://www.registerserver.net/hostingnumber/lpweb/</u> <u>lpws.asmx</u>

#### Proxy Settings

If the E-Mail Activator - Service needs to access the Activation Server 4 through a proxy server, configure the proxy server settings here.

#### Special Workflow

There may be situations, where you need an other workflow for E-Mail activation like for Online Activation. You could redirect the E-Mail Activation Request to another project or another module ID.

- Use Project from E-Mail uncheck it to specify a different project name
- Use Module from E-Mail uncheck it to specify a different module name



As all activations are routed to one single project, this option makes only sense if

- A separate E-Mail address is specified for each product
- A separate workflow rule is defined for this E-Mail address

## **E-Mail Notification**

- Forward successfully processed messages to sends a copy of the E-Mail with the Unlock Code to the specified E-Mail address
- Forward erroneous process messages to sends a copy of the E-Mail, where an activation failed (e.g. because the Serial Number / ID) was already used, to the specified E-Mail address

1.7.15.2.3.4 Response E-Mail

You configure here the automatic response messages to the user. The response message is defined:

- per language
- per different action Successful Response, Activation Deny response, Not in list response, General error response

						4	Activation	Server	185
🖁 E-Mail A	Activator -	Configurator							0 X
Workflow F	Rule demo	-easygo		Edit	New	Delete			
Incoming E-I	Mail E-Ma	il Processing	Response E-I	fail Outgoing	E-Mail Schedule	r Test Configural	tion General		
Response	to User								
Name of ser	nder Acti	vation Centre	Addr	ess of sender	activation-sender	@registerserver.ne	et		
		📝 Mir	ror all response	E-Mails to	activation-archiv@	Bregisterserver.ne	t		
Response	Text Mes	sages							
Response fo	or language	English		• [	)efault language is	English	•		
Success re	esponse A	ctivation Deny	Response N	lot in list respor	nse General error	response			
Subject	Your Unlo	ck-Key for \$\$p	project						
eMail	Find belov Number \$		(ey(s) for \$\$pro	ject. The Unloc	sk Key is associated	d with the Serial			
	Please typ \$\$keys	be in the key(s)	) in the followin	g order					
				lick on the follo p/easygo/geno	owing link eric/activationhelp/	index.html			
								Save	Text
					Save and Che	ck Workflow	Save Workflo	w Ca	ncel 🛛 🕐

Response E-Mail

# Response to User

- *Name of sender*. This is the name the user will see as sender in the E-Mail e.g. Activation Center
- Address of sender. This is the E-Mail address the user will see as sender E-Mail address in the E-Mail e.g. <u>activation-support@registerserver.net</u>
- *Mirror all response E-Mails to.* You can specify one or more E-Mail addresses (separated by a semicolon) which should get a copy of the response E-Mail.

Specify an E-Mail address, where the end user could reply to in case he has questions regarding the activation.

# Response Text Messages

For each response type (like successful or erroneous activation), you can specify an **individual message for each language**, which is supported by Licence Protector.

- Response for language. Select the language to define a notification message
- Default language is. Select a default language. This language is used in case an activation request is sent in a language, where you did not define an individual notification

You have to specify at least the notification messages for the default language

There are 4 different notification messages. For each message the subject line and the E-Mail content can be specified. There are variables, which start with an \$\$. The variables are replaced with user or project specific values like project name or Serial Number.

- Success response. This message is sent out in case the E-Mail activation was successful
- Activation response. This message is sent out in case the E-Mail activation failed, e.g. because the Serial Number / ID was already used or was locked
- Not in list response. This message is sent out, if you configured, that only uploaded Serial Numbers / IDs can be used - see <u>Accept only uploaded Serial Numbers / IDs.</u>
   and Serial Number / ID from the product activation is **not** in the positive list.
- General error response. This message is sent out in case an error occurs

Press Save Text to save the message text.

#### Variables

The following variables can be used in the response message:

- \$\$project = Project/Product Name
- \$\$serial = Serial Number
- \$\$keys = Unlock Key(s)



Right now, \$\$project contains the name of the project, which could be just a short name. If you have only one product, then you could replace \$\$project with the real product name in the text. Another option is not to use this variable. The next major release of Licence Protector will add the full product name in the Activation E-Mail.

#### 1.7.15.2.3.5 Outgoing E-Mail

Specify the SMTP mailbox account for the outgoing E-Mail with the Unlock Key(s).

🔏 E-Mail Activator	- Configurator		
Workflow Rule der	no-easygo 💌 Edit	New Delete	
Incoming E-Mail E-Mail	Mail Processing Response E-Mail Outgoing E-Ma	il Scheduler Test Configuration General	
SMTP-Server			
Servername	smtp.1und1.de	Server Port Number 25 🚔	
Account	activation-sender@registerserver.net	]	
Password	***********	]	
Supervisor Notific	ation		
Name of sender	Mail Activator Admin	]	
Address of sender	activation-sender@registerserver.net	]	
Supervisor address	activation-supervisor@mirage-systems.de	]	
	S	ave and Check Workflow Save Workflow	Cancel 🕜
	0.1.1	5 M 1	

Outgoing E-Mail

#### SMTP-Server

- Servername: The name of the outgoing E-Mail server e.g. smtp.myserver.de
- Account: Your account name
- Password: Password for the account
- Server Port Number. Port to use for outgoing e-mails

Use for <u>incoming E-Mail</u> and outgoing E-Mail a **different** E-Mail account. A good idea is to use a support E-Mail Account for outgoing E-Mails, so that the user could contact support in case of the E-Mail Activation failed

## Supervisor Notification

The E-Mail Activator - Service will send out an E-Mail notification to an supervisor in case of critical errors.

• *Name of sender.* This is the name the supervisor will see as sender in the E-Mail - e.g. E-Mail Activator - Service

- Address of sender. This is the E-Mail address the supervisor will see as sender E-Mail address in the E-Mail e.g. activation-service@registerserver.net
- Supervisor E-Mail address. E-Mail address of the supervisor

#### 1.7.15.2.3.6 Scheduler

You can define multiple schedules, when the E-Mail Activator - Service should process new E-Mails.

E-Mail Activator - Configurator	
Workflow Rule demo-easygo v Edit New Delete	
Incoming E-Mail E-Mail Processing Response E-Mail Outgoing E-Mail Scheduler Test Configuration General	
Schedule Standard   New Delete	
<ul> <li><b>ি Run 8aaa</b> (wat 16:32:00 ▲)</li> <li>✓ and then every 2 ▲ minutes</li> </ul>	
Run at     01.10.2008     19:00:00     and then every     0     days	
💿 Do not run	
	Save Schedule
Save and Check Workflow Save Workflow	Cancel 0

Scheduler

Example:

- Process every x minutes
- Process once on a specific day
- Process every x days

Typically, one schedule which processes every x minutes, will be sufficient.

Select a schedule in the *Picklist* or press the button *New* to add a new schedule or the button *Delete* to delete an existing schedule.

- *Run daily at hour and then every x minutes.* This starts the E-Mail Activator Service at the specified time and then processes the E-Mails every x minutes
- *Run at 'Day' 'Time' and then every x days*. This starts the E-Mail Activator Service at the specified date/time and then processes the E-Mails every x days
- Do not run. This disables the E-Mail Activator Service

Press the button Save Schedule to save the schedule modifications.

For Hosting customers, the interval options could be restricted (e.g. the interval minutes) to avoid an overload of the server.

#### 1.7.15.2.3.7 Test Configuration

This option allows you to perform a real E-Mail activation test to validate your settings.

😪 E-Mail Activator - Configurat	or			
Workflow Rule demo-easygo	Edit	New Delete	]	
Incoming E-Mail E-Mail Processin	g Response E-Mail Outgoing E-Mail	Scheduler Test Configu	ration General	
Create Activation E-Mail for t	esting			
E-Mail address for Activation Request	activation-register@registerserver.net	Project Name	demo-easygo	
✓ Use random Installation Codes ✓ Use a random Serial Number		Module ID	QHD001	
Serial-Number		]		
E-Mail address of user	test@registerserver.net	Send a	test E-Mail	
Run the Mail Activator Instan	]			
Processing mail by O Activation Server				
Sending E-Mail with 🧼 🥥 Unlock Key(s)				
	Sa	ave and Check Workflow	Save Workflow	Cancel 🕐

Test Configuration

# Create Activation E-Mail for testing

• E-Mail address for Activation Request. This address should match the E-Mail address

190

you defined for incoming E-Mails 181.

- *Project Name*. Must **exactly** match the project name defined in the project template in the field <ProjectName>. A default project *demo-easygo* is installed with the Activation Server..
- *Module ID*. Must **exactly** match the module ID for the main module, defined in the project template in the field <ModuleID>. The module ID of the project demo*-easygo* is *QHD001*.
- Use random Installation Codes. Generates random Installation Codes / Hardware IDs
- Use a random Serial Number. Generates a random Serial Number. If you uncheck this option, you can type in your own ID
- CustomerInfo: Define which address screen, used during product activation, should be simulated
- Old Autoblock Style: Only use it for backward compatibility with server version below 3.1
- E-Mail address of user. E-Mail address where the Unlock Key(s) is sent.

Press the button: **Send a test E-Mail** to send out an E-Mail for a product activation. It has the same content like the Activation E-Mail from an user.

# Run the E-Mail Activation Workflow Rule to test E-Mail Activation

Now you can run a test which processes all E-Mails, stored in the mailbox for <u>Incoming E-Mail</u> [18]. If you have sent a Test E-Mail, then at least one Activation would be processed. Press the button **Run Now.** The following workflow is processed:

- Read incoming E-Mail 181
- Send the Activation Request to the Activation Server 4, specified in <u>E-Mail Processing</u>
- Send out an E-Mail with either an Unlock Key or an error message
- Send out E-Mails to the addresses specified for <u>E-Mail forwarding</u>

You will see status messages in the text window. Check, if the configuration is working:

- The activation must be documented in the Activation Server 4. Login into the Administration Interface and select <u>Manage Activations</u> 38. You should find an entry there
- An E-Mail with an Unlock Key should be in the Inbox of the E-Mail address you defined above *E-Mail address for Activation Request*

#### 1.7.15.2.3.8 General

# Define general settings.

🙀 E-Mail Activator - Configurator	
Workflow Rule demo-easygo 🔹 Edit New Delete	
Incoming E-Mail E-Mail Processing Response E-Mail Outgoing E-Mail Scheduler Test Configuration General	
Help Settings	
Configure Workflow for Licence Protector Multimedia Protector	
Log Settings	
Error Tracking Enabled     Select path for Log-files	
Save and Check Workflow Save Workflow	Cancel 🕜

General Settings

# Help Settings

Specify, if you are using *Licence Protector* or *All-In-One Protector* as the help items, available through the icon <sup>(2)</sup>, are different for each product.

# Log Settings

Check this option to activate a log file.

The path and name of the configuration file is

#### 1.7.15.2.3.9 Hosting

Only customers, using the Mirage Hosting Server, will have this option.

🔏 E-Mail Activator -	Configurator						
Workflow Rule demo	-easygo	▼	Edit				
Incoming E-Mail E-Ma	ail Processing	Response E-Mail	Outgoing E-M	1ail Scheduler	Test Configu	ration General H	osting
Hosting Settings							
Hosting Number	9999999						
Hosting Password	******						
FTP-Server address	registerserve	er.net					
	Upload	Configuration to H	ostina Server				
				Save and Chec	k Workflow	Save Workflow	Cancel 🧿
			Hos	sting			

# Type in your **Hosting Number**, Hosting **Password** and as server name: **registerserver.net.**

After making all the changes, press the button *Upload Configuration to Hosting Server.* This will send the configuration settings to the Activation Server 4.

It may take a few minutes until the update takes effect.

1.7.15.2.3.10 Save Configuration

Press the button *Save and Check* to save all your configuration settings. A check is done to ensure that settings like E-Mail addresses are correct.

You could also press the button *Save* or *Cancel*. Cancel will ignore all changes you have done.

# **Hosting Users**

Upload [191] the configuration file to the Hosting Server.

# All other users.

The configuration file **mailactivator.xml** must be in the same folder like the EXE file of the **E-Mail Activator - Service.** Copy the configuration file to the folder of the Service.

# 1.7.15.3 Configure a Project

The main configuration files for a single project (product) are:

- Project.config 193 on the folder \pconfig
- Workflow Configuration File 206 on the folder \alg
- Project Template 208

These files have to be <u>uploaded</u> to the Activation Server 4. Only after uploading the configuration files a product activation will work.

#### 1.7.15.3.1 Project.config

The product configuration file is automatically uploaded if you use the *TAB Activation Server*, **Update project on the Activation Server** within Licence Protector application.

You can modify the settings within the product configuration 93.

Only if you need settings, which are not available through the user interface, edit the project.config file directly.

This files replaces the formerly used project.config file in the main web folder, which is still supported for backward compatibility.

For **each** project you need a project config file in the folder **\pconfig**. It needs the extension **.config**.

Example .\pconfig\easy-go.config

If you are using EasyGo, a sample file can be found in the folder ...\EasyGo\Web Activation Server. Hosting customers should use the files from the folder ...\EasyGo \Web Activation Server\Files for Mirage Hosting

The file could look as follows. Find below the detail description of all <u>available parameters</u>

# **Sample Configuration File**

## <Configuration>

#### <Project>

<<u>ProjectID</u> 203>demo-easygo</ProjectID> <<u>ProjectDescription</u> 204>Easy Go application Version 1.3 </ProjectDescription> <<u>IsSerial</u> 201>QHD001</IsSerial> <<u>CheckActivationKeys</u> 197>yes</CheckActivationKeys> <<u>StoreKey</u> 204>yes</StoreKey> <<u>NoOfAllowedKeyOccur</u> 203>1</NoOfAllowedKeyOccur>

<<u>CheckEntries</u> [197]>yes</CheckEntries> <<u>EntryRequired</u> [199]>no</EntryRequired> <<u>NoOfAllowedEntryOccur</u>[202]>1</NoOfAllowedEntryOccur>

lnstCodeType16</lnstCodeType1>lnstCodeType2>1</lnstCodeType2>lnstCodeType3>3</lnstCodeType3>

<<u>AllowReactivation</u> >> Yes</AllowReactivation>

#### Use either

< <u>MinIdenticalInstcodes</u> | 202 > 3</MinIdenticalInstcodes> or an individual definition

<<u>CheckInstCodeType1</u> > 1</CheckInstCodeType1> <CheckInstCodeType2>2</CheckInstCodeType2>

<CheckInstCodeType3>3</CheckInstCodeType3>

<<u>CheckLicenceDays</u> 30</<u>CheckLicenceDays</u>>

<<u>CustomerInfoMapping</u> last</CustomerInfoMapping>

<<u>MultipleLVS</u> 202 >true</MultipleLVS>

<<u>NumberOfKeysToDisplay</u> 203 > 1</NumberOfKeysToDisplay>

<<u>LvsDefaultName</u>202>Default</LvsDefaultName>

<<u>LvsOverwriteServerChanges</u> 202<sup>b</sup> true</LvsOverwriteServerChanges>

<<u>GeneratorPath</u> C:\Inetpub\wwwroot\Iptest\Ipweb\bin\alg</GeneratorPath>

<<u>GeneratorApp</u> AutoLicGenerator.exe</GeneratorApp>

<<u>GeneratorConfig</u> <a>b</a>config-autogenerator-EasyGo.xml</GeneratorConfig>

<<u>TicketValidMinutes></u> 1440</TicketValidMinutes>

# </Project>

</Configuration>

1.7.15.3.1.1 List of available Parameters

The list of all available Parameters in the project.config file is in alphabetical order.

ActivationKeyRequired 195 AllowReactivation 195 CheckActivationKeys 197 CheckEntries 197 CheckInstCodeTypes1-n CheckLicenceDays 198 CustomerInfoMapping 198 EntryRequired 199 GeneratorApp 199 GeneratorConfig 199 GeneratorPath 200 IgnoreLocalInstCodes 200 InstCodeType1-n 201 IsSerial 201 MinIdenticalInstcodes 202 LvsDefaultName 202 LvsOverwriteServerChanges 202 MultipleLVS 202 NoOfAllowedEntryOccur 202 NumberOfKeysToDisplay 203 NoOfAllowedKeyOccur 203 ProjectID 203 ProjectDescription 204 StoreKey 204 TicketValidMinutes 205

A yes/no value. Defines, if an <u>Activation Key</u> [21] is only accepted when the key was previously uploaded to the Activation Server 4. For details see: <u>Accept only uploaded</u> <u>Activation Keys</u> [21].

Default value: No

This parameter turns on the option, that a reinstallation is allowed on the same machine.

For details see Allow Reinstallation / Product Reactivation

Default value: No

For each Activation Key or product activation, the complete hardware profile (installation codes) is stored. To recognize a PC, hardware ID's **are compared with former** 

activations and only if hardware ID's match, the product can be activated again or a key can be used again.

A PC is considered identical, if at least the number of installation codes, defined with  $\underline{\text{MinIdenticalInstcodes}}$ , is identical – e.g. MinIdenticalInstcodes = 3 would need at least 3 identical installation codes **out of all available codes**, to be identified as the same PC.

You could either define that a number of codes out of all available codes have to match OR you can specify the **exact** installation codes, which have to match, with the configuration option CheckInstCodeType

MinIdenticalInstcodes is ignored if a list of installation codes is defined with <u>CheckInstCodeType</u>

<a>AllowReactivation> [195] must be set to Yes.</a>

If you use a network license, then all installation codes, which are local codes and cannot be retrieved through the network, have to be filtered out for the reactivation. This is done by setting  $\underline{lgnoreLocalInstCodes}$  and  $\underline{lgnoreLocalInstCodes}$  are true.

A good practice is to use different installation codes for the reactivation. If e.g. the MAC address and UNC Path is used for the initial product activation, it make sense NOT to validate the MAC address, so the user can change his network adapter.

File project.config on the Activation Server



In the sample above, the MAC address and UNC path (code 6) is used for copy protection. To validate, if the machine is the same in case a reactivation is done, code 5 (volume ID and UNC path), code 4 (netbios name) and code 3 (hostname) have to match. The

machine is then considered as identical and the product is activated again or a key is accepted again. The command MinldenticalInstcodes is ignored as the codes have been defined in detail with CheckInstCodeTypex.

Installation code number 5 ensures, that the version can not be installed again on another directory. This prevents a product reactivation on the same machine but in a different folder.



If you are unsure about the configuration, only use MinIdenticalInstcodes.

# See also

<u>CheckInstcodeType</u> <u>MinIdenticalInstcodes</u> <u>202</u>- additional configuration setting <u>IgnoreLocalInstCodes</u> <u>200</u>- additional configuration setting

A yes/no value that determines if an <u>Activation Key</u> at is validated or not. If this option is turned off, the Activation Key can be used any times.

Default value: Yes

A yes/no value that determines if the  $\underline{\text{Entry Key}}$  is validated or not. If this option is turned off, the Entry Key can be used any times and is not validated or documented at all.

Default value: Yes



This feature will be disabled in a future version. Do not use it.

This entry is used in combination with <u>AllowReactivation</u> to identify a machine.

Example CheckInstCodeType1=2 (MAC-Address) CheckInstCodeType2=3 (Hostname) CheckInstCodeType3=1 (Volume ID)

To allow a reinstallation on a machine, the *MAC Address* and *Hostname* and *Volume ID* have to match.

Default value: no default value

#### See also

AllowReactivation [195] - activate this option and detail information <u>MinIdenticalInstcodes</u> [202]- additional configuration setting <u>IgnoreLocalInstCodes</u> [200] - additional configuration setting

Defines, when the next Online validation is due. This parameter is only active if you make regular online checks.

Default: 90 days

In case of a new installation or usage of an ID on multiple PCs, this settings defines, how the customer address information should be updated. Possible values are:

- last the existing address information is overwritten with the address from the latest
  product activation. To update an record the ID / Serial number and the e-mail address
  must match. If the e-mail address does not match a new address is added
- first the address information from the first product activation is always used and never updated
- always a new address record is created for every product activation and an existing address is never updated

Default value: last

# **Guidelines for the configuration**

Depending of the usage of the customer information changing the default configuration is necessary.

## Create Keys on the Activation Server AND assign it to a customer name

In case the keys are generated on the Activation Server 4 and you assign a customer name to the key, you probably want to prevent the customer data from being overwritten. This is typically the situation if the address database is your main data source and you keep the information updated. Set the value value for CustomerInfoMapping to: **first** 

#### Create a key list and send it to a reseller

In case you create a key list you for a reseller:

- Create key list
- Add the name of the reseller to the customer database
- Import keys and assign the key to the reseller name

• Set the value for CustomerInfoMapping to **always**. This would create a record for every end user registration but also keep the documentation on the reseller record

E-commerce system or send out CDs

If you use an e-commerce system or you send out CDs, the customer name is available only during product activation. Set the value for CustomerInfoMapping to **last** 

A yes/no value .Defines, if product activation is only accepted, when the Serial Number / ID was previously uploaded to the Activation Server 4. For details see <u>Accept only</u> uploaded Module ID / Serial Numbers 210

Default value: No

Filename of the <u>Automatic License Generator</u> 22 that is used for this project. This application has to be placed in the folder, specified by <u>GeneratorPath</u> 2001.

This information is important, if applications, protected by **different Licence Protector versions**, are used. You have to use the <u>Automatic License Generator</u> [22] from the same Licence Protector release.

Example: lpautogenrator240.exe

# See also

Configuration project.config 1931: GeneratorConfig 1991 Configuration project.config 1991: GeneratorPath 2001

Filename of the configuration-file for the Activation Server 4 for this project. This file has to be placed in the folder, specified by <u>GeneratorPath</u> 2001. You need one configuration file for each project.

Example: config-autogenerator-easygo.xml

The file contains the workflow definition - for details see Project Configuration File

# See also

Configuration project.config [193]: GeneratorApp [199] Configuration project.config [193]: GeneratorPath [200]

Path (without application name) to the <u>Automatic License Generator</u> 22.

Example: c:\inetpub\wwwroot\bin\alg

# See also

Configuration project.config [193]: GeneratorConfig [193] Configuration project.config [193]: GeneratorApp [193]

This entry is used in combination with <u>AllowReactivation</u>

If you use a network license, then all installation codes, which are local codes (e.g. NetBios-Name) and cannot be retrieved through the network, have to be filtered out for the reactivation. This installation code is ignored on comparing the hardware lds in combination with <u>MinIdenticalInstcodes</u> [202]. Set IgnoreLocalInstCodes=true

Default value: True



If you use a code which works only for single user installations, especially code 4, 11, 13, then you have to set IgnoreLocalInstCodes=**false**. You can always set it to false if your product is used only as a single user version and never as a network version.

## See also

Allow Reactivation [195] - turn on the reactivation feature <u>CheckInstcodeType</u> [197] - additional configuration setting <u>MinIdenticalInstcodes</u> [202]- additional configuration setting This parameter is used to define, which <u>Installation Code</u><sup>[24]</sup> is used to turn on <u>Copy</u> <u>Protection</u><sup>[23]</sup>. As it is not known in advance, which hardware criteria will be available, there has to be a priority list. The first installation code, that is not **empty**, is used for Copy Protection.

Example InstCodeType1=2 (MAC-Address) InstCodeType2=3 (Hostname) InstCodeType3=1 (Volume ID)

If the MAC address is not available, then the Hostname is used for Copy Protection.

Default value: none

If you do not want to activate Copy Protection, do not specify this entry.

This setting is no longer in use but still works to ensure backward compatibility. This information is now stored in the project template - see chapter: Define Module for Serial Number

Defines, which module is used as a Serial Number. Only modules, which are defined as a Serial Number, can be selected in certain options like:

- Add a key on the Activation Server 77
- Create a Serial Number 64
- <u>Manual Product Activation</u> 🔊



This option simplifies the generation of Serial Numbers, as the end user only can select a module, which is used as a Serial Number.

Example

<lsSerial>QHD001</lsSerial>

You can specify multiple modules as Serial Number.

<lsSerial>QHD001</lsSerial> <lsSerial>QHD003</lsSerial>

If this definition is missing, all modules are used by default.

This entry is used in combination with <u>AllowReactivation</u> to identify a machine.

The parameter defines the number of <u>installation codes</u>,  $\boxed{24}$  which have to be identical, to identify a PC. MinIdenticalInstcodes = 3 would need at least 3 identical installation codes out of all available codes to identify the PC.

A good value to use is between 3-4.

For more background information and additional configuration options see: Che

Default value: no default value

# See also

AllowReactivation [195] - activate this option and detail information <u>CheckInstcodeType</u> [197] - alternative configuration setting <u>IgnoreLocalInstCodes</u> [200] - additional configuration setting

The default name of the license file when uploaded to the Activation Server 4.

Default: default

By default, changing a license file on the Activation Server 4 has a higher priority then changing the local license file. If a license file upload is done, the changes on the Activation Server 4 are **not** overwritten.

If a license file upload should always result in a **1 to 1 copy of the local license file**, set the value to true.

Default value: false

Defines, if **multiple** license files per ID can be uploaded. If only one license file per ID should be possible, set the value to false.

Default value: true

Number of times the same Entry Key 23 is allowed to be activated.

Default value: 1

9

The Serial Number, used with EasyGo and All-In-One Protector, is an Entry Key

<sup>23</sup> and not an <u>Activation Key</u><sup>21</sup>. Therefore, the definition has to be made with NoOfAllowedEntryOccur and not with NoOfAllowedKeyOccur.

# See also

AllowReactivation [195] to allow multiple activations on the same machine <u>NoOfAllowedKeyOccor</u> [203] to define the number of activations for Activation Keys

For the <u>manual product activation</u> [69], only 1 Unlock Key is generated by default. If you use EasyGo version 2.7 or later, this is sufficient. Otherwise you can configure, how many keys should be generated. EasyGo version **below 2.7 needs 2 keys**.

Default value: 1

Number of times the same <u>Activation Key</u> [21] is allowed to be activated.

Default: 1

The Serial Number, used with <u>EasyGo</u> and All-In-One Protector, is an <u>Entry Key</u> and not an <u>Activation Key</u>. Therefore, the definition has to be made with NoOfAllowedEntryOccur and not with NoOfAllowedKeyOccur.

# See also

AllowReactivation [195] to allow multiple activations on the same machine NoOfAllowedEntryOccur [202] to define the number of activations for Entry Keys

Project name, defined in the project template. Must be unique

Example: demo-easygo

The project name used in the project.config file **must match** the project name, defined in the project template.



Also define the full project name using ProjectDescription 204

# See also

Definition of a project 25

You can define a name, which is shown in the project / product select list box. This should be the full name of the application. If no *ProjectDescription* is defined, the project ID [203] is used as project name.

Example ProjectDescription = My application version 2.0

displays the full name in every project select list box.

Create a Serial Number		Required Inform
Product Name:	My application version 2.0	-
Additional days after applying Serial Number:		
Number of Users:	1	
Store Key in Activation Server		
Number of desired Serial Numbers:	1	<b>~</b>
	Create Key 🗱 Cancel	

A yes/no value, that determines, that a key is **always** stored in the Activation Server. The user cannot disable this option.

The definition is valid for

- Create an Activation Key 80
- Create a Serial Number 64

Default value: No

		Activation Server	205
Create a Serial Number		Required I	nformation
Product Name:	EasyGo Demo Projekt	•	
Number of days to evaluate:			
Store Key in Activation Server			
Number of desired Serial Numbers:	Ť	•	
Serial Number Key Options:			
Is Locked:			
Maximum Key / ID Usage:			
External Group:			
External ID:			
Note:			
		Ŧ	

This feature is supported only with Internet Explorer

To ensure, that the user does not manipulate the date on his local PC during a product activation or regular online check, the time difference in minutes can be controlled. If the time difference is greater than this value an error 3014 is generated.

The user will get the following screen:



The maximum allowed time difference by default is **24 hours** (1440 minutes). To change the time difference setting, use a value in **minutes**.

Default value: 1440

1.7.15.3.2 Workflow Configuration File

This file defines the **workflow**, which is done during a product activation. It also includes the definition, for which modules an Activation Key can be generated.

The filename of the workflow file is defined in the project.config [193] file with the tag <<u>GeneratorConfig</u> [193]. A good idea is to have one workflow file per project, e.g. config-workflow-easygo.xml.

In the installation folder of Licence Protector is a **sample configuration file**, which could be used as as a template. It is located in the folder ..**\EasyGo\Activation Server.** 

Important settings to change are:

• ProductID to your module ID of the main module (mandatory)

- ProjectFilename name of the project template
- CreateCopyProtectionKey Yes/No value. Activate copy protection when the product is activated. Which hardware ID is used is specified with InstCodeTypex 201

If you want to create Activation Keys, using the Administration Interface, you have to add a product definition for every module you want to create a key.

Tree View XSL Output	
🖉 xml	version="1.0" encoding="utf-8"
🗄 🔤 Connector	
E Product	
😟 📣 ProductID	QHD001
🗄 🕒 ProductName	Main Module of EasyGo Demo
🗄 🔤 ProjectFilename	demo-easygo.xml
🗄 🥥 LicenceFileID	no
🗄 🕒 LicenceFile	no
🗄 🖳 🗣 ActivationKey	уез
🗄 🖳 💽 CopyProtection	1
E CreateCopyProtectionKey	yes
E Product	
ProductID	QHD002
ProductName	Additional Module
🗄 🥌 ProjectFilename	demo-easygo.xml
🗄 🥌 🕒 LicenceFileID	no
🗄 🥌 🕒 LicenceFile	no
🗄 🔛 🖉 ActivationKey	yes
E CopyProtection	1
E CreateCopyProtectionKey	yes
E Product	
E ProductID	QHD004
E ProductName	Update Subscription
🗄 🔤 ProjectFilename	demo-easygo.xml
🗄 🔤 LicenceFileID	no
1 LicenceFile	no
ActivationKey	yes
E CopyProtection	1
🗄 ······ 🕒 CreateCopyProtectionKey	yes

The module can then be selected in a picklist.

#### Example:

Create an additional Key - e.g. prolong a trial version or add a network license

Create an Activation Key	standard	<ul> <li>Required</li> </ul>
Key / Id added successfully		
Product Name:	Easy-Go Application	•
Module ID:	Update Subscription (QHD004)	-
Installation Codes (Hardware IDs):	Without Copy Protection	
Yes/No:	Yes	-
Number of days to evaluate:		

The file must be copied in the folder **.\alg** on the Activation Server 4. See Upload Configuration Files

#### 1.7.15.3.3 Project Template

The project template file is necessary, as the Activation Server sends keys during the product activation process. To send a key, the personal encryption is needed and also the module type definition.

The project template is defined in the <u>activation workflow configuration file</u> with the parameter <ProjectFilename>.

Just use your original project template, which you use in the Licence Generator to generate the license file.

The file must be copied in the folder **.\alg** on the Activation Server 4. See <u>Upload</u> <u>Configuration Files</u> 2008.

#### 1.7.15.3.4 Upload Configuration Files

You have to copy your files to the Activation Server 4 with an FTP software (using the File Explorer will not work).

Using the popular FTP Tool FileZilla Client (<u>http://filezilla-project.org/</u>) the settings would be as follows:

The user name always starts with lp + number.

General Ad	vanced Transfer settings	Charset		
Host:	registerserver.net	Port:		
ervertype:	FTP - File Transfer Protocol			
ogontype:	Normal			
User:	lp11462923			
Password: Account:	]	Your hosting username		
Comments:				

It is important to set the transfer mode to Active

ransfer m				
	AUE.			
Default	<u>A</u> ctive (	) <u>P</u> assive		
🗏 Limit nur	mber of simult	aneous con	nections	
Maximur	m number of a	onnections	1	A V

Select the folder **\alg** and copy to this file:

- Your project template. This has to be done every time when you

  - change the PSK change a module type
  - add a new module
- Your workflow file config-workflow-xy.xml

Select the folder **\pconfig** and copy the <u>project.config</u> [193] file there

You have to restart the Activation Server after making configuration changes.

# 1.7.15.4 How TOs and FAQ - Activation Server

This chapter introduces Frequently Asked Questions as well as tips and tricks.

1.7.15.4.1 Accept only uploaded Activation Keys

Defines, if an <u>Activation Key</u> [21] is only accepted when the key was previously uploaded to the Activation Server 4. It is like a positive list. Only entries, which are already stored in the Activation Server 4 are accepted. By default, the Activation Server 4 accepts all valid keys. The DLL makes the validation (e.g. encryption, module number etc.) and sends only valid keys to the Activation Server 4.

Accepting only uploaded IDs adds more security because only Activation Keys, which are known to the Activation Server 4, can be used.

There are 2 ways to upload:

- Upload a single key see Add a Key on the Activation Server 77
- Upload a complete keylist see Import 88

If you want to use this feature, then <u>CheckActivationKeys</u> and <u>ActivationKeyRequired</u> in the project.config file have to be set to Yes.

<CheckActivationKeys>Yes</CheckActivationKeys><ActivationKeyRequired>Yes</ActivationKeyRequired>

To allow only uploaded Serial Numbers see <u>Accept only uploaded Serial Numbers /</u>

#### 1.7.15.4.2 Accept only uploaded Serial Numbers / IDs

Defines, if product activation is only accepted, when the Serial Number / ID was previously uploaded to the Activation Server 4. It is like a positive list. Only entries, which are already stored in the Activation Server 4 are accepted. The DLL makes the validation (e.g. encryption, module number etc.) and sends only valid Serial Numbers to the Activation Server 4.

Accepting only uploaded IDs is more security because only IDs / Serial Numbers, which are known to the Activation Server 4, can be used.

There are 2 ways to upload:

- Upload a single key / ID see Add a Key on the Activation Server 77
- Upload a complete keylist / ID-list see Import

If you want to use this feature, then <u>CheckActivationKeys</u> and <u>EntryRequired</u> in the project.config file have to be set to Yes.

<CheckActivationKeys>Yes</CheckActivationKeys> <EntryRequired>Yes</EntryRequired>

To allow only uploaded Serial Numbers, this configuration setting has to be used and not <u>AllowKeyRequired</u>. This is due to the fact that a Serial Number performs a product activation and is different from a standard Activation Key.

To allow only uploaded Activation Keys see: Accept only uploaded Activation Keys 210

1.7.15.4.3 How do I track errors?

The Activation Server 4 logs all operations in an error log. To get an detail error, login into the Administration Interface, select menu *Administration / Setup*, **Download Logfile**. Search in the logfile for the error.

After making changes restart the Activation Server 4 to ensure, that all modifications are applied. Select menu Administration / Setup, **Restart Activation Server**.

1.7.15.4.4 How to change the date format?

The date format can be changed to the users preference like US, German or English format within the <u>user settings</u> [99].

1.7.15.4.5 How can I change how often a key / ID can be used?

This can be changed per Activation (e.g. per Serial Number) or per Activation Key within the *Manage Activations* Tab, Option View (Modify an Activation 47). The main purpose is to allow another activation for a specific user.

The default number of activations (<u>NoOfAllowedEntryOccur</u><sup>202</sup>) / Activation Keys (<u>NoOfAllowedKeyOccur</u><sup>203</sup>) for a specific project (<u>ProjectID</u><sup>203</sup>) is defined in the project.config <sup>133</sup>. file

If you want to allow more activations for a specific Serial Number or Activation Key **in advance** (before handing out the key) <u>How can I specify the number of times a key can</u>

be used? 212

# See also

Maximum Key / ID usage 24 Effective Key / ID usage 23

1.7.15.4.6 How can I specify the number of times a key can be used?

The default number of default activations (<u>NoOfAllowedEntryOccur</u> 202) / Activation Keys (<u>NoOfAllowedKeyOccur</u> 203) for a specific project (<u>ProjectID</u> 203) is defined in the project.config 193. file

If you want to allow more activations for a specific Serial Number or Activation Key in **advance** (before handing out the key), you can add the activation info or key in the *Administration / Setup* Tab, <u>Add a Key on the Activation Server</u> **77**]. Specify in the *Maximum Key / ID Usage* field the number of activations you want to allow.

This option is not available when using the feature to transfer a license.

# See also

Maximum Key / ID usage 24 Effective Key / ID usage 23

#### 1.7.15.4.7 How to find out if a customer has activated the software?

If a software is <u>activated</u> [25], it can be either found in the *Reports* Tab, report <u>Activation</u> [36] or within the *Manage Activations* Tab, <u>Key List</u> [46] or <u>Transactions</u> [38].

Either search for customer name or Entry Key.

9

If you are using <u>Serial Numbers</u> [26], then the Entry Key is the Serial Number.

1.7.15.4.8 How to lock a Serial Number / Activation Key?

A Serial Number or Activation Key can be locked to prevent misuse.

# The key has not been used

If the Serial Number / Activation Key has not been used, you can add the key manually and lock it - see *Administration / Setup*, <u>Add a Key on the Activation Server</u>. 77 Alternatively you can <u>import a key list</u> and lock the complete key list.

# The key has been used

To prevent, that a key can be used again (even for an reinstallation on the same machine) you have to search for the key. Select *Manage Activations* Tab, Transactions 38. In the field *Entry Key* type in the Serial

Number and press **Search**. Then click on <u>View</u> 1 to get the detail page of the record. Check: *Is Locked* and press **Save**.

# **Regular license checks**

If the option for regular online checks is used, the complete license is validated every x days (see also <u>CheckLicenceDays</u>). The next check will detect that the license is locked and lock the license on the local machine / server.

Select Manage Activations Tab, <u>Transactions</u> 38. In the field Entry Key type in the license identification. This could be the Serial Number or your own ID and press Search. Then click on <u>View</u> 41 to get the detail page of the record. Check: **Is Locked** and press Save.

# See also lock or revoke a license 52

1.7.15.4.9 How do I allow to make a reinstallation on the same machine?

It is possible to allow by default, that a user can install the application **multiple times on the same PC**.

# <u>Scenario</u>

- Customer installs and activates the license
- Customer uninstalls the application
- Customer reinstalls the application

By default, the reinstallation would not work, because it is counted as a second activation.

The concept to allow a reinstallation To recognize a PC, hardware ID's are compared with former activations and only if

hardware ID's match, the module can be activated again.

A PC is considered identical if at least the number of installation codes, defined with <u>MinIdenticalInstcodes</u> 202, is identical – e.g. MinIdenticalInstcodes = 3 would need at least 3 identical installation codes out of all available codes (version 2.4 there are 9 codes) to be identified as the same PC.

MinldenticalInstcodes is ignored if a list of installation codes is defined with <u>CheckInstCodeType</u>

Example:

<CheckInstCodeType1>1</CheckInstCodeType1> <CheckInstCodeType2>2</CheckInstCodeType2> <CheckInstCodeType3>5</CheckInstCodeType3>



Depending on this definition, the Web Activation Server will compare only those 3 Instcodes to determine if a PC is identical.

- To turn on this feature see <u>AllowReactivation</u>
- Set the values how to identify a machine see MinIdenticalInstcodes 202
- See also <u>CheckInstCodeType</u> [197] and <u>IgnoreLocalInstCode</u> [200] for additional configuration options

If this feature is turned off, the maximum number of Key / ID Usage have to be incremented by 1 manually - see Modify an Activation 47

To use this functionality with <u>EasyGo</u> <sup>23</sup> you have to generate a Serial Number with the option **Unlimited Installation** (default setting for Serial Number). All-In-One Protector creates all keys with this option turned on.

See also

Maximum Key / ID usage 24 Effective Key / ID usage 23 1.7.15.4.10 How to edit an XML file

A lot of configuration files (e.g. the file for the project.config [193]) are in xml format. You can edit this file using any editor like notepad or Word. As an alternative, there is a nice freeware tool for xml files, which you can download here.

http://www.snapfiles.com/get/xmlnotepad.html

Start the XML notepad and select *File*, *Open*. You then see the XML file content, which is structured. The content can be easily modified and saved.

📶 licprotectorws.config - XML Notepad						
File Edit View Insert Tools Help						
		t= 11 🔌				
Structure	Values					
Project						
ProjectID	demo-easygo					
CheckActivationKeys	yes					
NoOfAllowedKeyOccur	1					
CheckEntries	yes					
EntryRequired	no					
NoOfAllowedEntryOccur	1					
InstCodeType 1	6					
InstCodeType2	1					
InstCodeType3	3					
GeneratorPath	C:\Inetpub\wwwroot\ptest\pweb\bi					
GeneratorApp	AutoLicGenerator.exe					
GeneratorConfig	config-autogenerator.xml					
	1					

#### 1.7.15.5 Mirage Hosting Service

Mirage offers a Hosting of the Activation Server 4 which includes the setup of the server and applying updates. For details of the hosting offer see website: <u>Licence Protector</u>

1.7.15.5.1 Licence Protector (Starter, Basic, Professional Edition)

The following chapter describes the necessary configuration options for Licence Protector *Starter, Basic* or *Professional Edition* using the source code integration via DLL.

1.7.15.5.1.1 Hosting Link Parameter

After ordering a hosting package, Mirage installs the server and configures the database. You will get a confirmation E-Mail with your parameters and your hosting ID.

## Hosting Link Parameter

Hosting Server: http://www.registerserver.net

Hosting ID: This is a unique number like 7843289 and is added after the server address Web Folder: The folder is always **Ipweb** 

The complete string is https://www.registerserver.net/hostingID/lpweb

Perform the following steps to start with Web Activation

- 1. Copy the project files to the server 216
- 2. Modify project.config file 218
- 3. Modify the license template 218
- 4. Insert Online Option in the Source Code 219
- 5. Log into the 219 Activation Server 4

You have to copy your files to the Activation Server 4 with an FTP software (using the File Explorer will not work).

Using the popular FTP Tool FileZilla Client (<u>http://filezilla-project.org/</u>) the settings would be as follows:

The user name always starts with lp + number.
Г	vanced Transfer settings	Charset	
lost:	registerserver.net	Port:	
Servertype:	FTP - File Transfer Protoco	bl	
ogontype:	Normal		
Jser:	lp11462923		
Password:	••••••	Your hosting	
Account:		username	
Comments:			

It is important to set the transfer mode to Active

ransfer m				
	AUE.			
Default	<u>A</u> ctive (	) <u>P</u> assive		
🗏 Limit nur	mber of simult	aneous con	nections	
Maximur	m number of a	onnections:	1	A V

Select the folder **\alg** and copy to this file:

- Your project template. This has to be done every time when you

  - change the PSK change a module type
  - add a new module
- Your workflow file config-workflow-xy.xml

Select the folder **\pconfig** and copy the project.config 133 file there

You have to restart the Activation Server after making configuration changes.

Detail information about the configuration files.

You have to modify the project.config file with your project data and copy the file to the .. **\pconfig folder.**. For details see chapter configure a project - project.config

You have to change the Generator Path entry <GeneratorPath 200 > d:\wwwroot\hostingID\lpweb\alg</GeneratorPath>

First insert the link to the Web Server in your license template in the TAG *WebServiceURL* with the string **/lpws.asmx added**.

<WebServiceURL>http://www.registerserver.net/hostinglD/lpweb/lpws.asmx</ WebServiceURL>

#### Example

<WebServiceURL>http://www.registerserver.net/7843289/lpweb/lpws.asmx</WebServiceURL>

NameLicenceFile	demo-easygo
CustomerName	Evaluation Version
TagValue	
	htttp://www.registerserver.net/7843289/lpweb/lpws.asmx
ShowWAStartPage	true
ShowWAProgressPage	true
ShowWAResultPage	true
AllowChangeWASURL	true
AllowCotVol	true

Load the template in the Licence Generator and create a new license file. The link is stored in the license file.

Within your code, modify the command: **SetRegisterSettings** and set the parameter **RegisterOnline** to true.

Details see EasyGo documentation.

Perform a test Activation.

Log into the Activation Server 4 to check your activations.

#### https://www.registerserver.net/hostingID/lpweb

Use this login data for the first login. Username: **admin** Password: (no password)

After the first login you are prompted for a <u>new password</u> 100.

You can now add users [59] or change your settings [99].

#### 1.7.15.6 External Access of the Activation Server

There are 2 ways to access the Activation Server from an external application:

- Directly write values into the database. This is not possible if the server is a hosting server
- Use Web Pages 219
- 1.7.15.6.1 Access the Activation Server using a Web Page

The Activation Server 4 can be accessed by an external application using a web page to

- Create an Unlock Key 219
- 1.7.15.6.1.1 Create an Unlock Key using a Web Page

If the user has no Internet connection on his PC, he could use another PC to create an Unlock Key.

#### **Configuration settings**

To use this feature you have to:

- Upload the Serial Numbers to the Activation Server 4. Either import a complete key list of Serial Numbers or create one single Serial Number and save it
- Configure the Activation Server 4 that only keys are accepted, which are already stored in the database. See <u>Accept only uploaded Serial Numbers / IDs</u> to configure this

#### feature

 Configure the security settings so that the key generator can only be used from a specific IP address or use a password

#### **Source Code integration**

There is no standard screen available. Just display the hardware ID(s) on the screen including an explanation, how the user can retrieve the Unlock Key on another PC. Use GetInstcode to retrieve the hardware ID(s).

#### Web Page

Create a Web Page where the user can type in at least the following information:

- Serial Number / ID
- Name
- E-Mail address
- Installation Code / Hardware ID

If you want to allow a reinstallation on the same PC, the user would have to type in several installation codes

Use the following http command to create the Unlock Key and display the key on your web page

http://servername/lpweb/ KeyGenerator.aspx? projectname=demo- easygo&	'project name defined in the project template
entrykey=LNGEG-5IPc6- 9E7Im-3tQ8X-MQU5k- 6ii4W&	'Serial Number / ID
instcodetype=3&	'Installation Code / Hardware ID used for copy protection. This has to match with InstCodeTypex defined in the .config file
instcode=170D9F7C&	'8 digit hardware ID
requesttype=2&	'must be 2
moduleid=QHD001&	'module ID defined in the project template. Normally this is the main module ID.
customername=Smart Inc.&	'name of the user
email=tom.hanks@smar	t'e-mail address of the user (optional)
inc.com	
oemname=mycompany8	A name of the manufacturer of the product. This information is stored on the Activation Server 4 (optional)
allkeys=true&	'If multiple Unlock Keys are generated, you can display only the

first or all. For Easy-Go use true (optional) passwort=ycnsjldsd78z9 'password - see security settings h

Click on the link below to create an Unlock Key on the demo Activation Server 4. It will accept the same Serial Number multiple times as the hardware ID is always the same. The Unlock Key will work only on the PC with this hardware ID.

http://registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demoeasygo&entrykey=LNGEG-5IPc6-9E7Im-3tQ8X-MQU5k-6ii4W&instcodetype=3&instcode=170D9F7C&requesttype=2&moduleid=QHD001&custo mername=Smart Inc.&email=tom.hanks@smartinc.com&oemname=mycompany&allkeys=true&passwort= ycnsjldsd78z9h\_

#### **Multiple Installation Codes**

If reinstallation on the same PC should be supported, then the user has to type in multiple installation codes. The number of installation codes depends on the settings CheckInstCodeTypex defined in the .config file.

If you want to pass multiple installation codes, you have to send ALL possible codes. This version of <%OEMTITLE%> supports 14 different codes.

You have to omit the value instcodetype and provide **all** 14 installation codes separated with a **semicolon.** If for the reinstallation e.g. only 3 hardware IDs are required, the others can be left blank.

http://registerserver.net/lptest/lpweb/KeyGenerator.aspx?projectname=demoeasygo&entrykey=LNGEG-5IPc6-9E7Im-3tQ8X-MQU5k-6ii4S&instcode=170D9F7C;E1266C60;;CB433287;;;;;;;krequesttype=2&moduleid=QHD 001&customername=Smart Inc.&email=tom.hanks@smartinc.com&oemname=mycompany&allkeys=true&passwort= ycnsjldsd78z9h

#### 1.7.15.7 Error Codes and Messages

If you get an error in combination with the activation server, first check the server log file  $\boxed{88}$  for details of the error.

• Errors sort by error code 222

#### 222

**Activation Server 4** 

• Other errors 228

#### 1.7.15.7.1 Activation Server - Error Codes

The Activation Server 4 has 2 different types of error messages

#### **Error codes of the DLL**

If an online activation is not successful, the DLL creates an error code like error 3013 or 3014. All DLL related errors can be found in the chapter DLL - Error and Return Codes. **The details of an error can be found in the server log file 18.** 

#### **Error codes of the Activation Server 4**

Errors which are created on the server side are written into a log file. The details of an error can be found in the server log file s.

#### **2013**

This error could have 2 reasons:

- The web service has not all rights which are needed to create / modify files on the folder ... \alg see <u>Necessary Rights for ASP Service</u>
- Your license file expired or more projects are used then included in the license for more details view the log file set

#### **3001**

Connection to the Activation Server 4 could not be established. Typical causes of this error are:

- Activation Server 4 is down
- WebServiceURL in the project template is wrong
- Client does not have Internet access or access is blocked by a firewall
- Client Proxy Server settings are wrong Check the settings in your Web Browser Tool and use the identical settings (e.g. to check the settings of Microsoft Internet Explorer you should open it and choose the menu Extras/Internet Options. Select TAB Connections and click on LAN Settings.). There you find the Proxy Server settings.

In the Activation Dialog of Activation Server 4, you should click on the link "**Proxy Settings**". If there is a Proxy Server set in your Web Browser, you should check "Use Proxy Server". If you use Microsoft Internet Explorer simply check "Use settings from Internet Explorer". If you use another Web Browser or you want to enter the Proxy Server data manually, don't check "Use settings from Internet Explorer" but enter the address of your Proxy Server (IP address or server name) and your Proxy Port (mostly 80 or 8080). Copy these values from the settings in your Web

Browser.

Web Activa	tion
$\square$	The licence has to be checked online.
<b>H</b>	Please provide a connection to the internet and activate it.   Proxy settings
	Activate now Cancel

#### **MAC Edition**

- The **Project Secure Key**, used in the project template does not match with the PSK used in the command validate
- The **password**, used in the project.config file does not match with the password used in the command validate
- The **project name**, used in the project.config file does not match with the password used in the command validate

#### **3002**

Configuration file licprotectorws.config or a file in the folder \pconfig could not be read. Possible reasons are

- The XML format is wrong. Use an **XML editor** to edit the file and check all <u>configuration settings</u>
- The defined project config file is missing
- The defined project main file (defined in the config file) is missing
- **3003**

<u>ProjectID</u> is missing - check the configuration file in the folder \pconfig (older installations licprotectorws.config)

**3004** 

An unknown <u>instcode</u> is used - check the configuration file in the folder \pconfig (older installations licprotectorws.config )

**3005** 

No projects could be found - check the configuration file in the folder \pconfig (older

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installations licprotectorws.config)

**3006** 

Bad request

- ProjectName is empty check project template
- A request to the Activation Server 4 was made not using Activation Server 4
- **3007**

Unknown request type. This situation could only occur, if the Activation Server 4 version is newer than the Activation Server 4 server version and Activation Server 4 uses a command, which is unknown to the Activation Server 4

**3008** 

Writing to database failed. Check, if the database is running and check the <u>database</u> setup [169].

**3009** 

Reading from database failed. Check, if the database is running and check the database setup

**3010** 

The Activation Key was already used or is locked.

Increase the number, how often the key can be used (Maximum Key / ID Usage) or unlock the key - details 41

**3011** 

Unknown project name - the <u>ProjectID</u> used in the configuration file in the folder (older installations licprotectorws.config) **must match** the project name, defined in the project template. Check the <u>activation workflow configuration file</u>, if the file name of the project file is correct.

The project name should contain **no spaces and is case sensitive** - see project name.

The error also occurs if the Web Service URL is wrong.

#### **3012**

The output file, which is generated on the folder .\alg during product activation, is missing or has a wrong XML format - for more details view the log file all. Check if you

have spaces or special characters in the project name.

**3013** 

This error indicates, that the Automatic License Generator, which is used to create Activation Keys as a response to the Transaction, can not create Activation Keys. Most often a project definition is missing or wrong on the Activation Server 4.

If you use a date, make sure that the date format matches the settings of the server operating system - e.g. if you have an US operating system, the date format in the XML file must match this format (e.g. 01/30/2008 - wrong format would be 30.01.2008).

Also, if the ProductID and ModuleID in the config file do not match with the ID you use in the command for the product activation, this could generate the error.

If this error occurs in combination with error 9 (see log file), then check necessary rights for <u>ASP Service</u>. Especially make sure that **all subfolders and files** have the necessary rights.

If the error occurs in combination with the message: *The project-configuration file xy.xml could not be loaded then the necessary rights* for <u>ASP Service</u> [17] for the files in the sub folder **\alg** are missing. Especially make sure that all files with the extension **.XML** have the rights. The rights settings could have been changed if you have replaced the files.

To get the detail error, login into the Administration Interface, select menu Tools, **Download Logfile.** Search in the logfile for this error.

- Upload the correct project definition
- Select menu Tools, Restart Webservice

#### **3014**

Time difference between server and client does not match.

Error 3014 tells you that a request (e.g. product Transaction) or an answer between a Licence/All-In-One Protector client and the Web Activation Service (WAS) failed due to an invalid ticket. A ticket ensures that a request can not be faked by simply replaying it. That is because the ticket may have expired. As default a ticket stays valid for **24** hours.

If your user does not have the correct time set on his PC, the error 3014 may also occur. You can react as follows:

• tell the user to correct the local time setting on his client

#### 226 Activation Server 4

• increase the validity of all tickets. Change in the <u>Product Configuration</u> [93] page the value: *Maximum time difference between server / customer PC in minutes*. The default value is 1440 which is 24 hours.

Notice: The greater the value is set, the weaker is your protection against replay attacks.

Notice: Make sure that your Activation Server 4 has also set the correct time. We recommend using the network time protocol NTP to ensure that the time of the server is set correctly. Consult the OS's documentation how to turn this on.

In case a download or upload of a license file is done, the error could also indicate that the length of the encryption code exceeds 40 characters.

#### **3015**

Serial Number / ID / Activation Key does not exist on the Activation Server 4

The project is configured in the way, that a Serial Number / ID / Activation Key must be added on the Activation Server 4 before it can be used (see: <u>Accept only uploaded</u> <u>Serial Numbers / IDs 210</u>). When a product activation is done with a Serial Number / ID / Activation Key, which is not stored in the database, error 3015 is generated.

Solution

- Add a key on the Activation Server 4 77
- Only <u>create Serial Numbers</u> 64 using the Activation Server 4 and not the Licence Protector Generator

**3018** 

The Serial Number / ID was locked.

In case a download or upload of a license file is done, the error could also indicate that the length of the encryption code exceeds 40 characters.

#### **3030**

Deactivation not possible. This error typically occurs when the product was already deactivated and you try to deactivate it again.

Solution: Reactivate the product using PrepareAndCheck or CheckModule

Another reason for the error is that you are using a Licence Protector version 4.x and

an Activation Server version below 4.1. Update to 4.1 14 or higher.

**3040** 

A license file download is not possible because the name of the license file in combination with the used ID does not exist or the security code is wrong or tge length of the encryption code exceeds 40 characters. See DownloadLic

**3050** 

A web service call is made from an IP-address, which was not added in the white list within the <u>security settings</u> [10]

**3071** 

Enable the product configuration option: <u>Check an installation and protocol</u> [98] it for MAC projects

**3090** 

There is a problem with your license. If you are a hosting customer contact <u>support@mirage-systems.de</u>. If you run your own server send us the log file and the license file (folder ALG, lpwas.lic).

Reading projects failed with: load config failed

Configuration file licprotectorws.config or a file in the folder \pconfig could not be read

The XML format is wrong. Use an **XML editor** to edit the file and check all <u>configuration</u> <u>settings</u>

If you use a date, make sure that the date format matches the settings of the server operating system - e.g. if you have an US operating system, the date format in the XML file must match this format (e.g. 01/30/2008 - wrong format would be 30.01.2008).

**3998** 

This error indicates too many open connections for the SQL-Server. Reboot the SQL Server. Another reason for the error is that you are using a Licence Protector version 4.x and an Activation Server version below 4.1. Update to 4.1 14 or higher.

**4101** 

The unique ID / Serial Number is missing for a license file upload.

The command UploadLic needs a unique ID / Serial Number.

#### See also

List of Return / Error Codes of the DLL

1.7.15.7.2 Other Errors

These are errors which don't have an individual error code :

■ Key doesn't exist

This error indicates, that only keys are accepted, that have been previously uploaded to the Activation Server 4.

- Import the Activation Keys with a key list [39] or manually add an Activation Key [92] or
- Deselect this option see <u>ActivationKeyRequired</u>

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