

# Matrix42

## Empirum v14.1 New Features and Changes

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### 1 Preface

With Empirum v14.1, Matrix42 AG provides significant enhancements to the functionality and usability of the Empirum Suite.

The ideas and requirements of our customers and partners have been included in and have contributed significantly to the development of this new functionality. We will continue with this tradition, which will ensure that Empirum will remain the leading-edge device life cycle management solution in the market.

The Matrix42 team says thank-you to all contributors and looks forward to a continued good and constructive cooperation with our customers and partners.

Detailed information on all functionality can be found in the respective help documentation.

## 2 General New Functionality and Changes

- ▶ Enhancements and changes of the Empirum Management Console
  - ▷ Enhanced computer properties
  
- ▶ All Empirum components which are based on Microsoft .NET were switched over to the version .NET 4.0. Only exception is the Advanced Agent, furthermore this is based on .NET 3.51
- ▶ At a service installation via DBUtil on a remote system no .NET 4.0 is installed, this must be done manually
- ▶ Before the installation of the Empirum API service .NET frameworks 4.0 must be installed on the Empirum server and the console computers
  
- ▶ View of current third-party tasks in the queue
  
- ▶ DBUtil
  - ▷ Enhanced API configuration dialog
    - ▶ Several protocols can be selected (HTTP, TCP, Pipe).
  
- ▶ Empirum Web Console enhancements
  - ▷ Delete of PXE discovered non-qualified computer
  - ▷ Enhanced logging via SetupErrorLog
  
- ▶ Matrix42 Service Store Integration
  - ▷ Fully secured http and https connect.
  - ▷ Easy recovery password support via Matrix42 Service Catalog
  
- ▶ Miscellaneous
  - ▷ PXE multi network card support.
  - ▷ Dedicated backup user profiles in Personal Backup based on last login date
  
- ▶ Backend Tasks view in the Empirum Management Console (EMC)
  - ▷ Activities initiated by Empirum on external systems are now displayed much more comprehensively as separate queue and log view
  - ▷ By default, the comprehensive logs are overwritten with more recent entries of the same event (similar to the software log behavior). This behavior can be configured in the properties of the Activation service

### 3 Desktop Virtualization for Citrix XenDesktop

- ▶ Citrix XenDesktop 5 support
  - ▷ Enhanced process for the lifecycle of master disk images
  - ▷ Disc image creation and management for virtual hard disks and snapshots
  - ▷ Random and static desktop pools
  - ▷ Provisioning & management of Virtual Desktop Pools for streamed machine types and pooled based on machine creation service (MCS)
  - ▷ Snapshot management for virtual machines
  - ▷ Enhanced pre-packaged app catalog
  
- ▶ Enhanced usability
  - ▷ Browsing for hypervisor infrastructure, storage and VM templates
  - ▷ Overwrite standard settings for RAM and vCPU for virtual machine creation
  - ▷ Enhanced Disk Imaging process
  - ▷ Deployment of Microsoft Hyper-V and VMware ESXi, vSphere 4.1
  - ▷ Improved logging of VDI background tasks

### 4 OS Installer

- ▶ Enhanced platform support
  - ▷ VMware ESXi Server 4
  
- ▶ Partitioning dialog
  - ▷ A drive letter (C: or D: etc.) can be specified in the OS template (Windows 6 and higher)
  - ▷ Higher performance through allocation of block sizes, e.g., 8, 16 or 32 KB, in the OS template (Windows 6 and higher)
  
- ▶ The Empirum PXE service can be configured to offer its services to all network interfaces configured in the server
  
- ▶ Dynamic configuration of log-in information for subdepots without using DHCP options
  
- ▶ A description can be specified in a description field in the OS template

## 5 Software Management

### 5.1 General

- ▶ Empirum Advanced Agent for Macintosh
  - ▷ Support for Mac OS X Leopard, Snow Leopard and Lion
  - ▷ Software assignment via Empirum Console
  - ▷ Support for .APP-installations and own scripts
- ▶ Advanced Agent
  - ▷ Search in the kiosk (Navigation via keyboard)
  - ▷ Complete data synchronization (Sync) of the cache list
- ▶ Setup.exe
  - ▷ New Commands:
    - ▶ XML-Processing
    - ▶ Registration of .NET-Components
    - ▶ Determine of the installed .NET-Version
- ▶ New variables for the operating system determination
- ▶ Enhanced Import/Export Functionality for Software Packages

### 5.2 New Tabs and Packages:

- ▶ **Matrix42 Virtual Desktop Packages**
  - ▷ Empirum VHD Create 14.1
  - ▷ Empirum Force Polling 14.1
  - ▷ Empirum XenDesktop Reconfiguration 14.1
- ▶ **MAC OS X**
  - ▷ Cyberduck 3.8.1
- ▶ .NET Framework 4 Installation
  - ▶ From version v14.1 upwards, installations cannot be performed any more with *SWDepot.exe*. Instead, you must install the *Advanced Agent* on the Empirum server and the *Empirum Subdepot* package via the software distribution functionality. The package *.NET Framework 4 Installation* **must** be installed on all clients **before** the subdepot package is installed.

### 5.3 Modified Packages:

- ▶ Empirum Management Console
- ▶ Empirum Web Console
- ▶ Empirum Subdepot
- ▶ Empirum Subdepot Services

## 5.4 Obsolete Packages:

### ▶ Empirum ESX 1

This package is obsolete and must be removed manually to avoid version check errors

## 6 Inventory

### ▶ Enhanced platform support

#### ▷ Red Hat Enterprise Linux

##### ▶ Server v6

##### ▶ Desktop v6

### ▶ Redesign for better performance and updateability

## 7 Personal Backup

### ▶ Backup, restore and migration of Microsoft Office 2010

### ▶ User profiles can be created after the operating system installation/migration even before the respective user's first log-in

### ▶ It is possible to define which profiles shall be backed up by a computer, depending on the last log-in date of the respective user

## 8 Reporting

### ▶ New reporting frame work based on MS SQL Reporting Services

#### ▷ Comprehensive set of out of the box reports

#### ▷ Deployment of out of the box reports to multiple reporting servers

#### ▷ Removal of SAP/ Business objects



## 9 Compatibility with Service Store

An updated version of the Service Store Empirum Connector is required due to necessary changes of the Empirum API. Please note that Empirum v14.1 is only compatible with Service Store 5.31 incl. HF or higher. Support for 5.30 or older versions has been discontinued.

- ▶ New interface functionality
  - ▶ Connection between Service Store and Empirum can be established via http or https from version Service Store 5.30 SP2
  - ▶ Now, password-secured backups can be used to restore computers via Easy Recovery from the Service Store Console
  
- ▶ An additional hotfix for the Build 5.31.0862 contains changed DLL files for the webservice communication. This hotfix will be provided under the name *Hotfix\_5.31.0862\_20110531 Empirumv14.1 Connector.zip*.

	Service Store 5.30	Service Store 5.31	Service Store 5.31 HF	Service Store 5.32
Empirum v12R2 + Integration Package [MS-SQL only]	✓	✓	✓	✓
Empirum v14.0	✓	✓	✓	✓
Empirum v14.1	✗	✗	✓	✓

## 10 Important Notes

Please note that the system requirements for Empirum v14.1 have changed. The system requirements can be found in the PDF file on the Empirum DVD in the Manuals directory:

- ▶ Empirum\_v14.1\_System\_Requirements\_DE.pdf
- ▶ Empirum\_v14.1\_System\_Requirements\_EN.pdf

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