SIM v5

Oct 19, 2018

Contents

Note: Documentation is still in development process. Please do not hesitate to contact us on support@silvermonkey.net for further information.

CHAPTER 1

Welcome

This document is meant to be a source for all information regarding the administration and installation of Silver Monkey v5 Modules.

Contents:

1.1 Requirements

1.1.1 Server Application (IIS)

- Microsoft Windows Server 2012 R2 or higher
- Internet Information Server
- Microsoft .NET Framework 3.5
- Microsoft Report Viewer 2012 (free download from Microsoft)

1.1.2 Server Database (SQL)

- Microsoft SQL Server 2014 or higher
- Or Microsoft SQL Server Express with Advanced Services
- 2014: https://www.microsoft.com/en-US/download/details.aspx?id=42299

1.1.3 Server Hardware Requirements (IIS+SQL)

The system requirements for processors, RAM and hard disk space on the server depend on the size of the correspondig ConfigMgr environment and the number of users working at the same time. Anyway, there is always the option to easily move the application to a more powerful machine or to distribute it across several servers with load balancing.

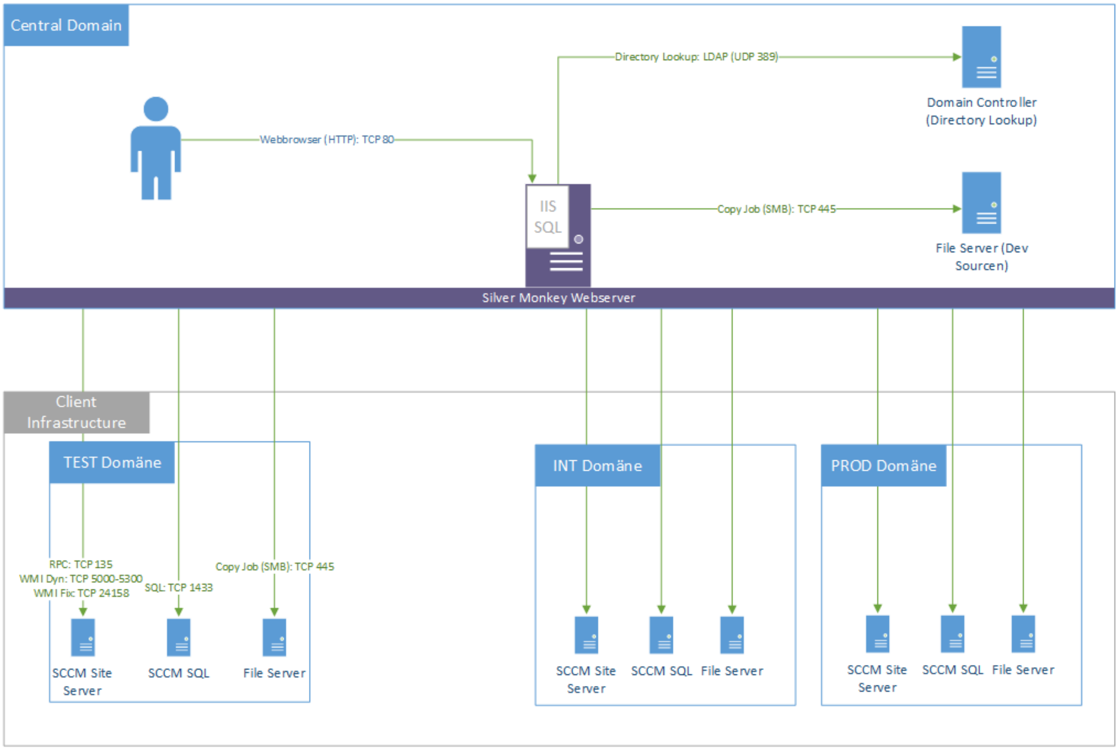
1.1.4 System Requirements

- 2 CPU 1GHz
- RAM 8GB (If there is a SQL Server running on the Webapplication Server 4GB RAM are required)
- Database size 1000MB
- Website/Application files 500MB

(Valid for up to 15,000 systems and 20 concurrent users on the Web Application)

1.1.5 Network Configuration

SIM v5 Engine supports multiple domain configurations. Please see figure below for detailed information about network communication ports:



1.1.6 Workplace Applications

- Microsoft Internet Explorer 8 or later
- Mozilla FireFox 5 or later (Windows SSO is not supported by browser)
- Google Chrome

1.2 Installation

In this article:

1.2.1 Requirements

For general information on system requirements see *Requirements*.

1.2.2 Report Builder

In order to build reports on the website and to export lists in Microsoft Excel format the following libraries have to be installed:

- Report Viewer 2010
- Report Viewer 2012
  - Which needs SQLSysClrTypes

`Download library`.

1.2.3 IIS Features

Execute the following command to enable IIS features on the application server:

```
CMD.EXE /C DISM.EXE /enable-feature /all /online /featureName:IIS-
↪WebServerRole /featureName:IIS-WebServer /featureName:IIS-
↪CommonHttpFeatures /featureName:IIS-StaticContent /featureName:IIS-
↪DefaultDocument /featureName:IIS-DirectoryBrowsing /featureName:IIS-
↪HttpErrors /featureName:IIS-HttpRedirect /featureName:IIS-
↪ApplicationDevelopment /featureName:IIS-ASPNET /featureName:IIS-
↪NetFxExtensibility /featureName:IIS-ASPNET45 /featureName:IIS-
↪NetFxExtensibility45 /featureName:IIS-ASP /featureName:IIS-CGI /
↪featureName:IIS-ISAPIExtensions /featureName:IIS-ISAPIFilter /
↪featureName:IIS-ServerSideIncludes /featureName:IIS-HealthAndDiagnostics /
↪featureName:IIS-HttpLogging /featureName:IIS-LoggingLibraries /
↪featureName:IIS-RequestMonitor /featureName:IIS-HttpTracing /
↪featureName:IIS-CustomLogging /featureName:IIS-ODBCLogging /
↪featureName:IIS-Security /featureName:IIS-BasicAuthentication /
↪featureName:IIS-WindowsAuthentication /featureName:IIS-
↪DigestAuthentication /featureName:IIS-
↪ClientCertificateMappingAuthentication /featureName:IIS-
```

(continues on next page)

(continued from previous page)

See `Download Script`.

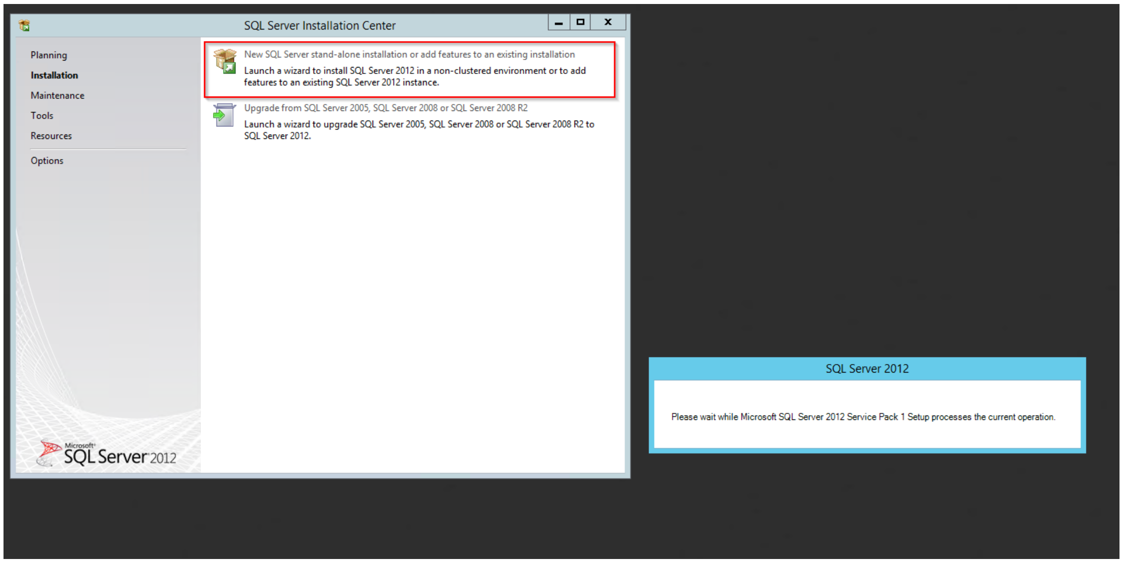
1.2.4 Microsoft SQL Server

For information about supported SQL Server versions see *Supported Configurations*.

The installation of the SQL Server will be described in the following section.

Installation Setup

Start the SQL Server installation setup. Choose the option "New SQL Server stand-alone installation…" in the follwing Window:



SQL Server Installation Center

New SQL Server stand-alone installation or add features to an existing installation

Launch a wizard to install SQL Server 2012 in a non-clustered environment or to add features to an existing SQL Server 2012 instance.

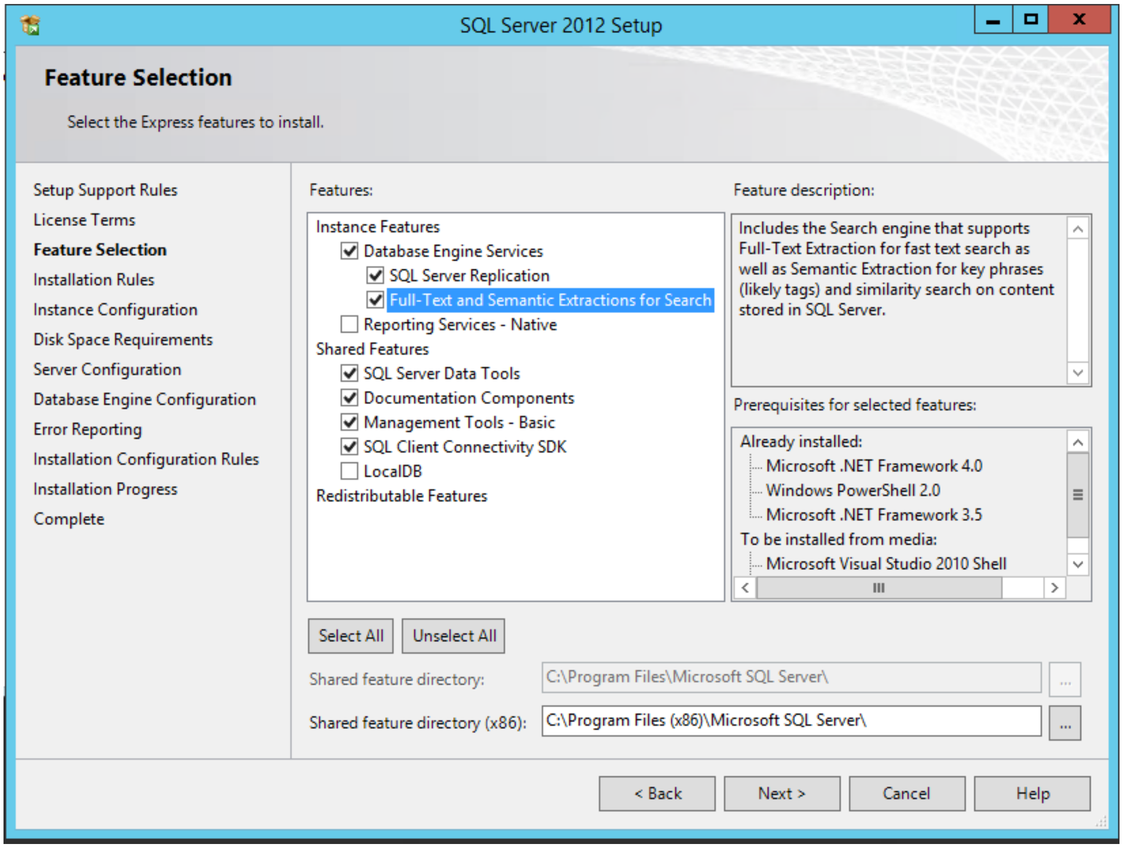
Upgrade from SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2

Launch a wizard to upgrade SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 to SQL Server 2012.

SQL Server 2012

Please wait while Microsoft SQL Server 2012 Service Pack 1 Setup processes the current operation.

Throughout the installation, please choose the same features as shown below:



Feature Selection

Select the Express features to install.

Features:

Instance Features
- ☑ Database Engine Services
  - ☑ SQL Server Replication
  - ☑ Full-Text and Semantic Extractions for Search
- □ Reporting Services - Native

Shared Features
- ☑ SQL Server Data Tools
- ☑ Documentation Components
- ☑ Management Tools - Basic
- ☑ SQL Client Connectivity SDK
- □ LocalDB

Redistributable Features

Feature description:

Includes the Search engine that supports Full-Text Extraction for fast text search as well as Semantic Extraction for key phrases (likely tags) and similarity search on content stored in SQL Server.

Prerequisites for selected features:

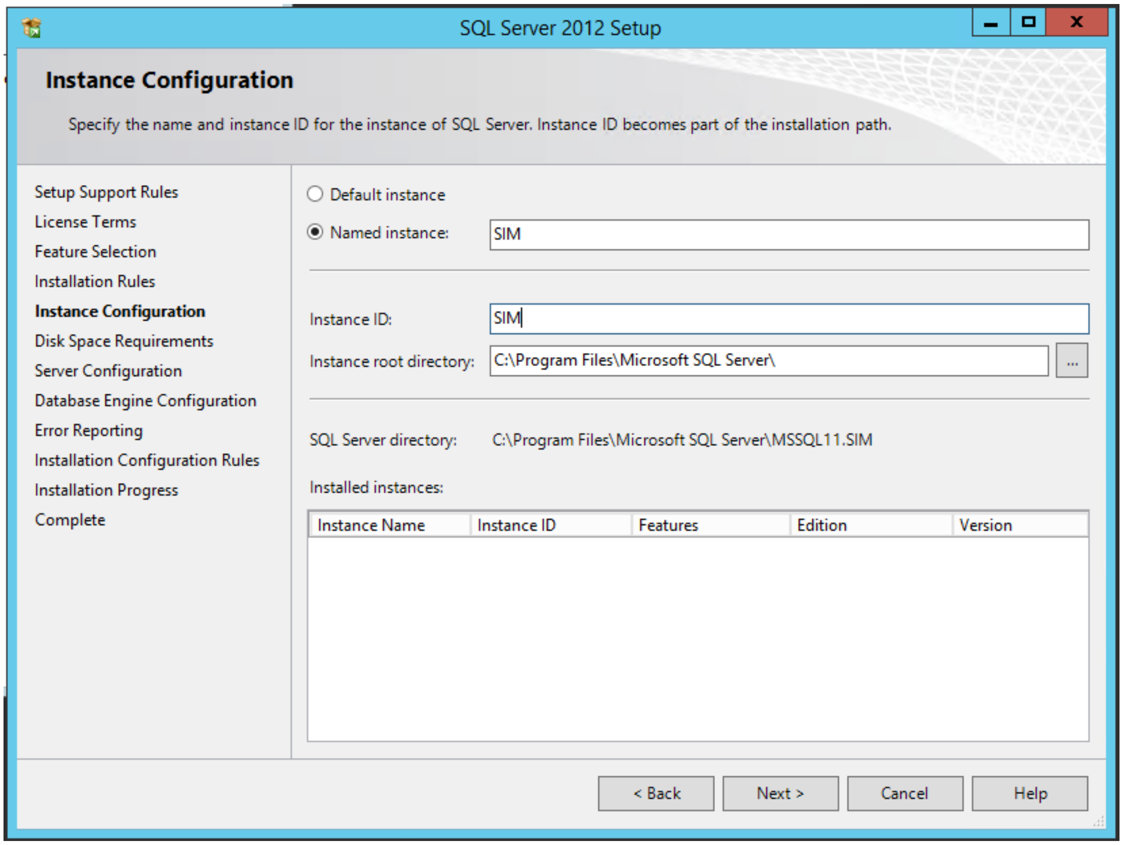
Already installed:
- Microsoft .NET Framework 4.0
- Windows PowerShell 2.0
- Microsoft .NET Framework 3.5

To be installed from media:
- Microsoft Visual Studio 2010 Shell

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\

Name the instance SIM or choose another name:



SQL Server 2012 Setup

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

○ Default instance

● Named instance: SIM

Instance ID: SIM

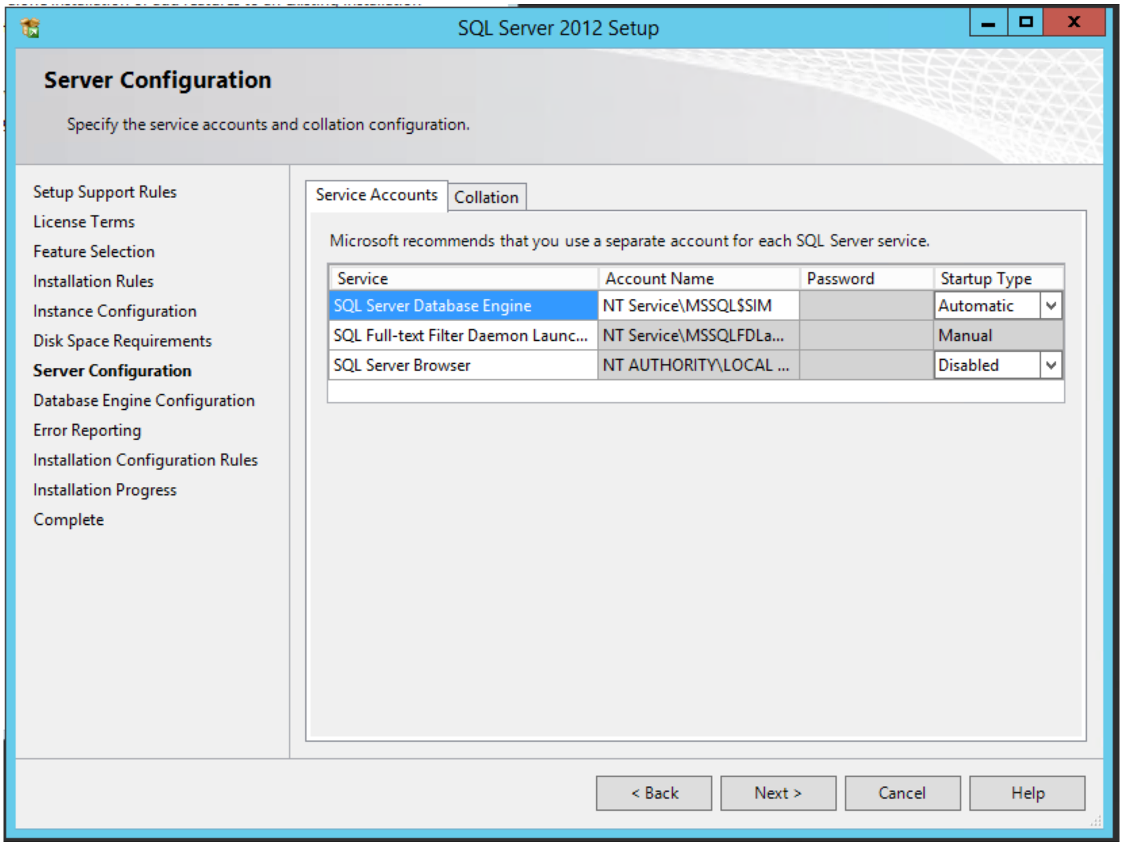
Instance root directory: C:\Program Files\Microsoft SQL Server\

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL11.SIM

Installed instances:

Instance Name	Instance ID	Features	Edition	Version

Configurate the server as follows:



SQL Server 2012 Setup

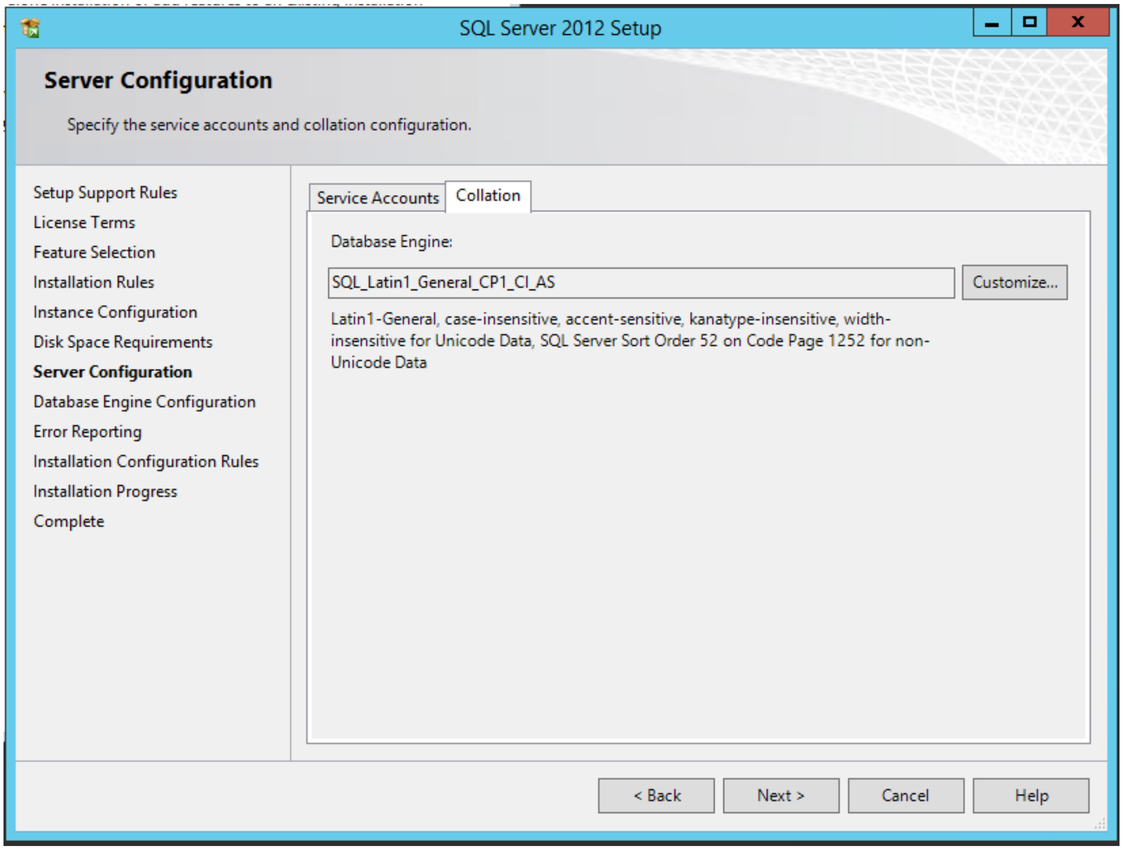
Server Configuration

Specify the service accounts and collation configuration.

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine	NT Service\MSSQL$SIM		Automatic
SQL Full-text Filter Daemon Launc...	NT Service\MSSQLFDLa...		Manual
SQL Server Browser	NT AUTHORITY\LOCAL ...		Disabled

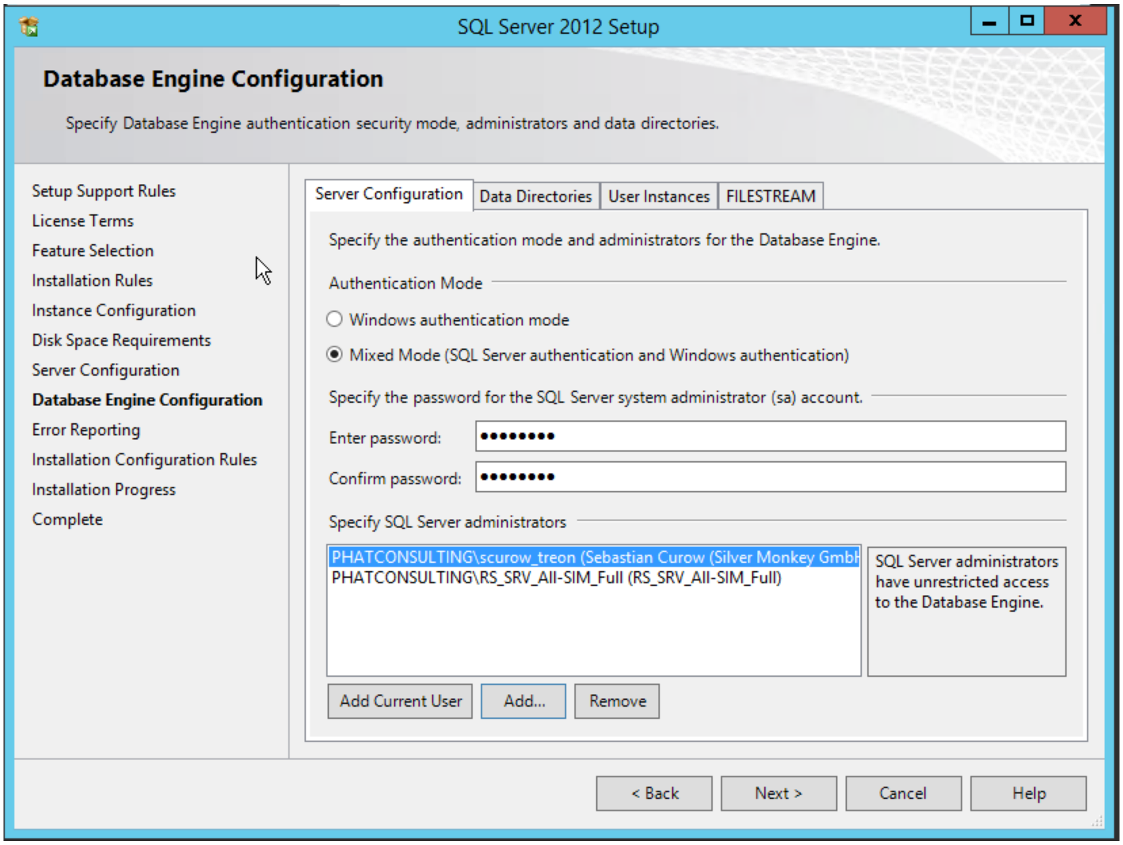
Choose the Database Engine called ‘SQL_Latin_General_CP1_CI_AS’:



Database Engine: SQL_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

Select the ‘mixed mode’-authentification and add your SQL service account as SQL Server administrator:



Database Engine Configuration

Specify Database Engine authentication security mode, administrators and data directories.

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: ••••••••

Specify SQL Server administrators

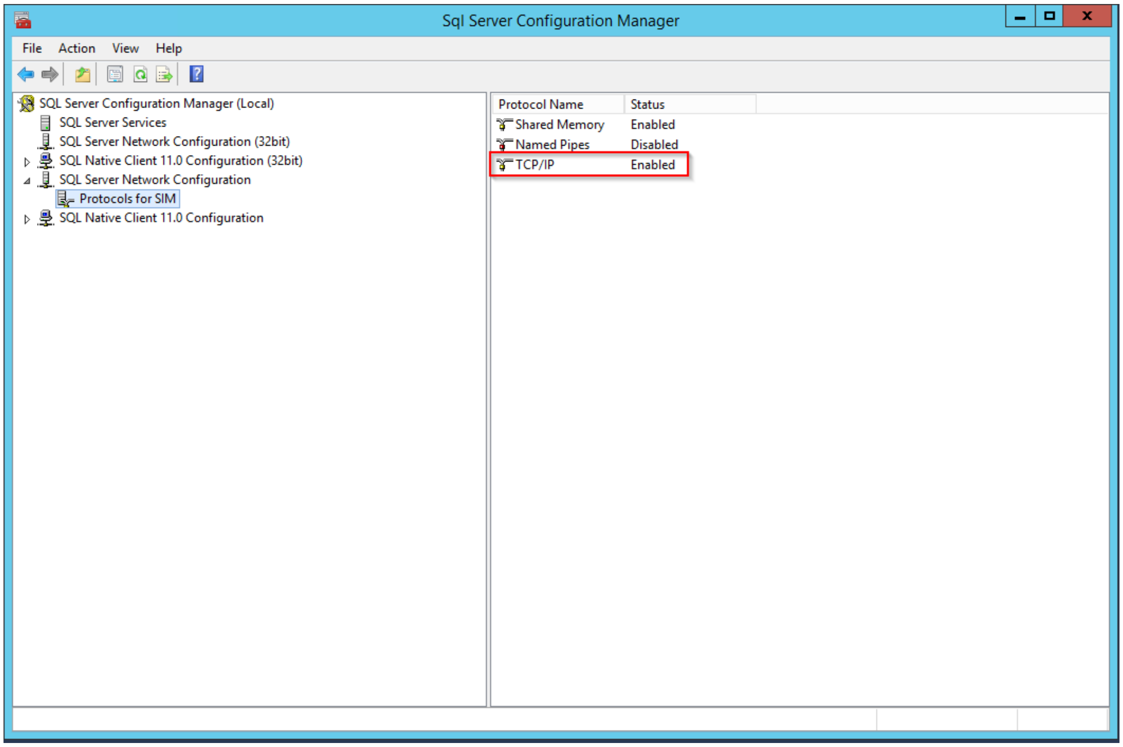
PHATCONSULTING\scurow_treon (Sebastian Curow (Silver Monkey Gmbl
PHATCONSULTING\RS_SRV_All-SIM_Full (RS_SRV_All-SIM_Full)

SQL Server administrators have unrestricted access to the Database Engine.

You have completed the setup!

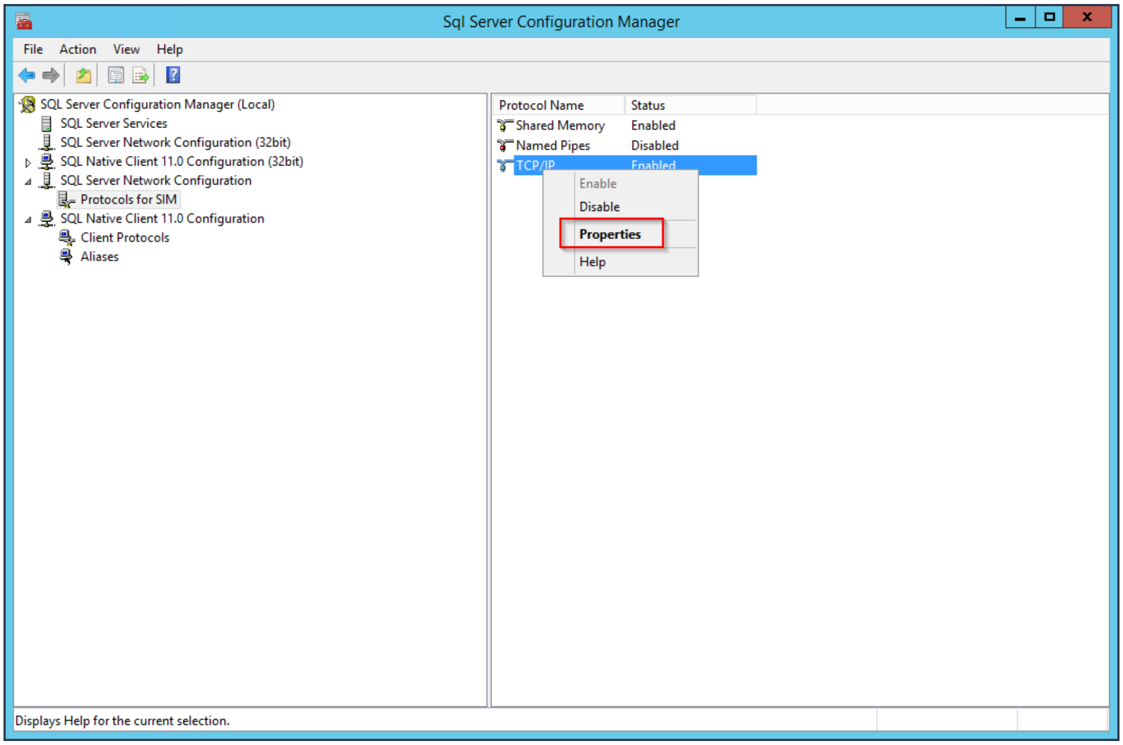
SQL Server TCP/IP Configuration

Open the SQL Server Configuration Manager, choose ‘SQL Server Network Configuration’ and then ‘Protocols for [Database Name]’. Change the TCP/IP Status to *Enabled*:


Sql Server Configuration Manager
File
Action
View
Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit)
SQL Native Client 11.0 Configuration (32bit)
SQL Server Network Configuration
Protocols for SIM
SQL Native Client 11.0 Configuration

Protocol Name	Status
Shared Memory	Enabled
Named Pipes	Disabled
TCP/IP	Enabled

Right-click the TCP/IP line and choose ‘Properties’:


Sql Server Configuration Manager
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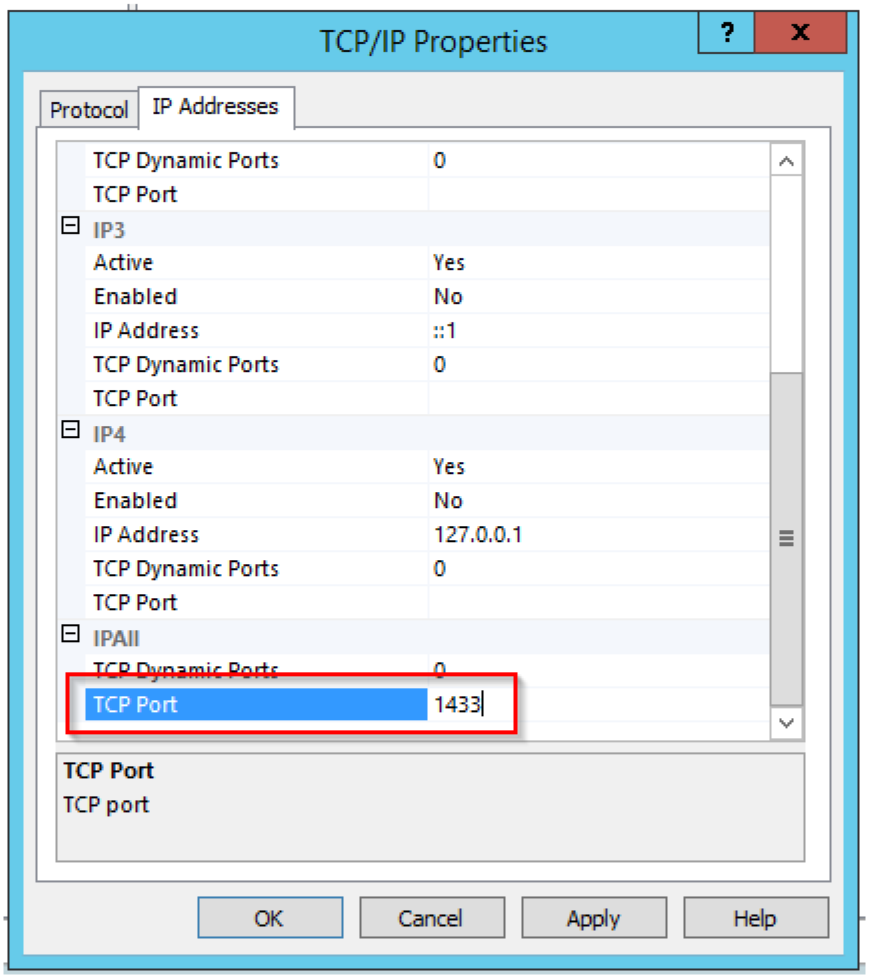
SQL Native Client 11.0 Configuration (32bit)
SQL Server Network Configuration
Protocols for SIM
SQL Native Client 11.0 Configuration
Client Protocols
Aliases
Enable
Disable
Properties
Help
Displays Help for the current selection.

Protocol Name	Status
Shared Memory	Enabled
Named Pipes	Disabled
TCP/IP	Enabled

Choose the tab “IP Adresses” and change the ‘TCP Port’-entry to 1433:

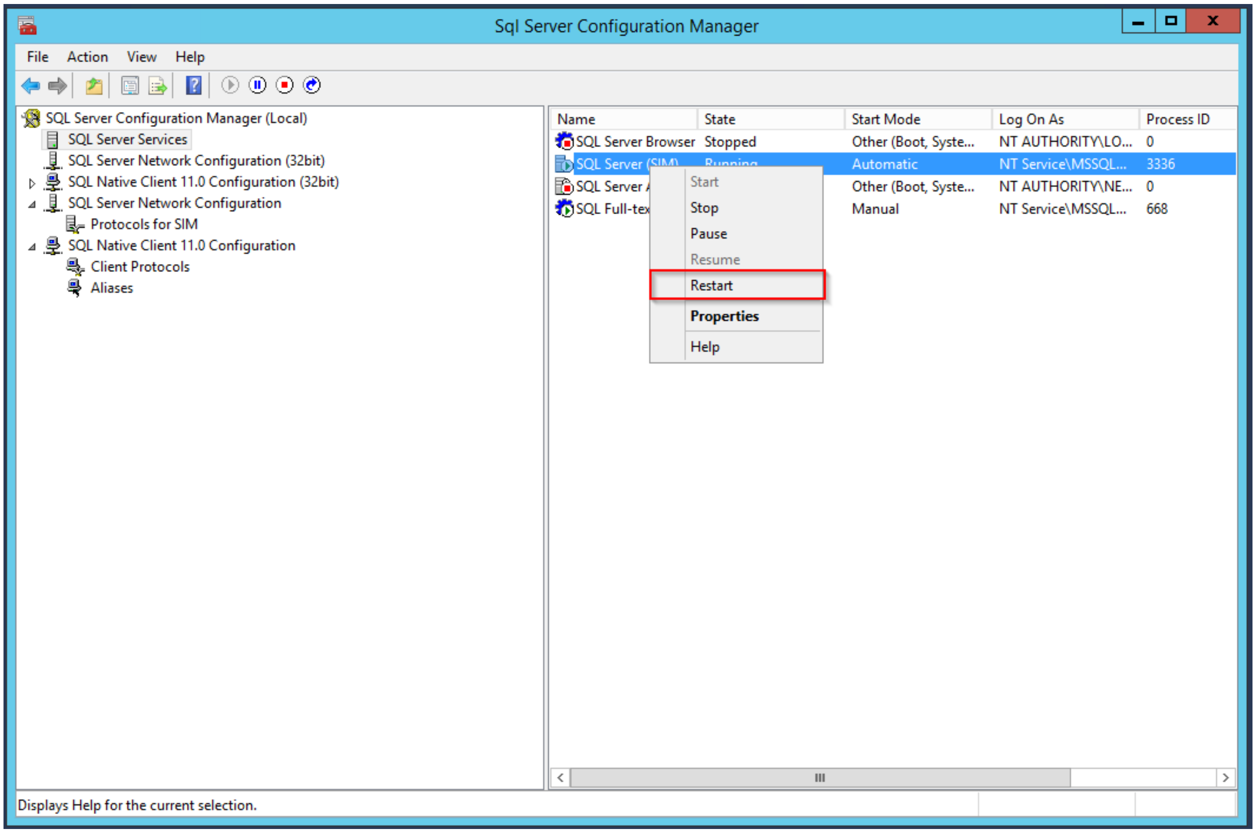
Afterwards, navigate to the SQL Server Services and restart the ‘SQL Server ([Database Name])’:



TCP Dynamic Ports	0
TCP Port	
⊟ IP3	
Active	Yes
Enabled	No
IP Address	::1
TCP Dynamic Ports	0
TCP Port	
⊟ IP4	
Active	Yes
Enabled	No
IP Address	127.0.0.1
TCP Dynamic Ports	0
TCP Port	
⊟ IPAll	
TCP Dynamic Ports	0
TCP Port	1433

TCP Port

TCP port


Sql Server Configuration Manager
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SQL Server Services
SQL Server Network Configuration (32bit)
SQL Native Client 11.0 Configuration (32bit)
SQL Server Network Configuration
Protocols for SIM
SQL Native Client 11.0 Configuration
Client Protocols
Aliases
Start
Stop
Pause
Resume
Restart
Properties
Help

Name	State	Start Mode	Log On As	Process ID
SQL Server Browser	Stopped	Other (Boot, Syste...	NT AUTHORITY\LO...	0
SQL Server (SIM)	Running	Automatic	NT Service\MSSQL...	3336
SQL Server A		Other (Boot, Syste...	NT AUTHORITY\NE...	0
SQL Full-tex		Manual	NT Service\MSSQL...	668

Displays Help for the current selection.

SIM SQL DB Service Account

Visit *KB00020 - SIM SQL Database Rights* to see how to create the Silver Monkey service account necessary for the DB connection.

You have finished the basic SQL Server installation for Silver Monkey.

1.2.5 Website Files

Copy the basic configuration of the website to the specified path on the web application server:

`*C:\inetpub\wwwroot\[HERE]*` Example: `*C:\inetpub\wwwroot\SIM_R001*`

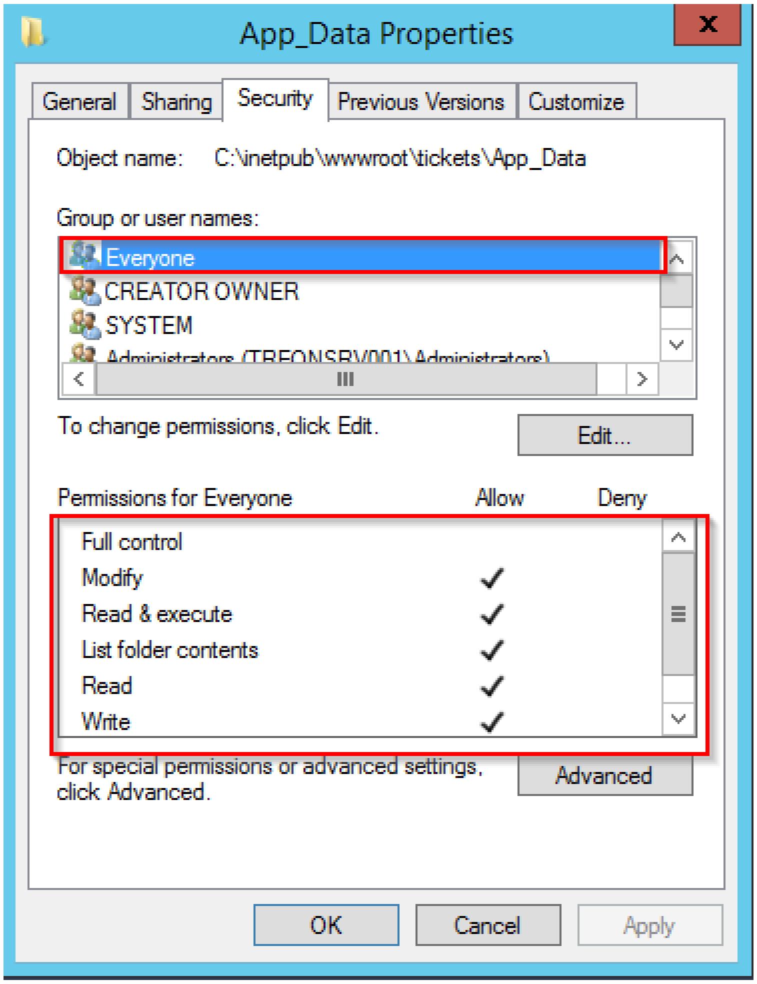
This configuration will be customized later based on the customer requirements.

Tip:

> Make sure that the role “Everyone” has the permission to “Modify, Read& execute, List folder contents, Read, Write” to the App_Data folder (as seen below)

1.2.6 Database

Install the Silver Monkey Database Backup. The Backup is part of the installation Package.



Object name: C:\inetpub\wwwroot\tickets\App_Data

Group or user names:

- Everyone
- CREATOR OWNER
- SYSTEM
- Administrators (TREONSRV001\Administrators)

To change permissions, click Edit.

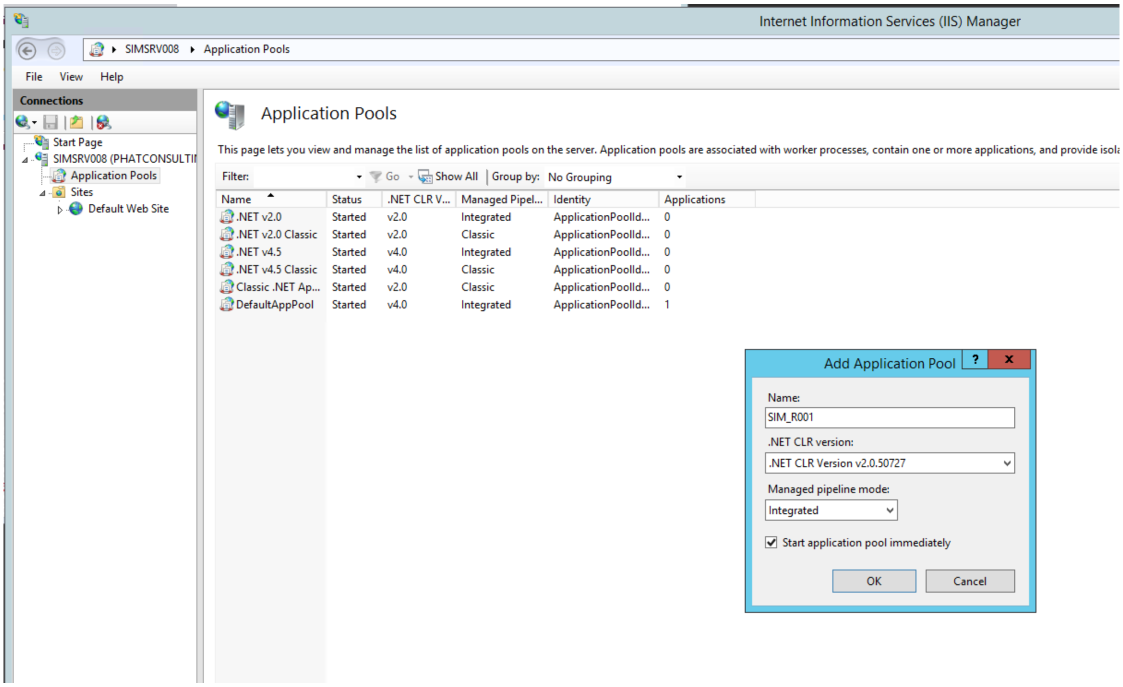
Permissions for Everyone	Allow	Deny
Full control		
Modify	✓	
Read & execute	✓	
List folder contents	✓	
Read	✓	
Write	✓	

For special permissions or advanced settings, click Advanced.

See: *KB00004 - Restoring SIM Database* for more Information.

1.2.7 IIS Configuration

Open the IIS (Internet Information Services) Manager. An app pool has to be created for the SIM Packaging website with the .NET CLR Version ‘v2.0.50727’ and the ‘Integrated’ Managed pipeline mode.



Application Pools

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 isol

Name	Status	.NET CLR V...	Managed Pipel...	Identity	Applications
.NET v2.0	Started	v2.0	Integrated	ApplicationPoolId...	0
.NET v2.0 Classic	Started	v2.0	Classic	ApplicationPoolId...	0
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId...	0
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId...	0
Classic .NET Ap...	Started	v2.0	Classic	ApplicationPoolId...	0
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolId...	1

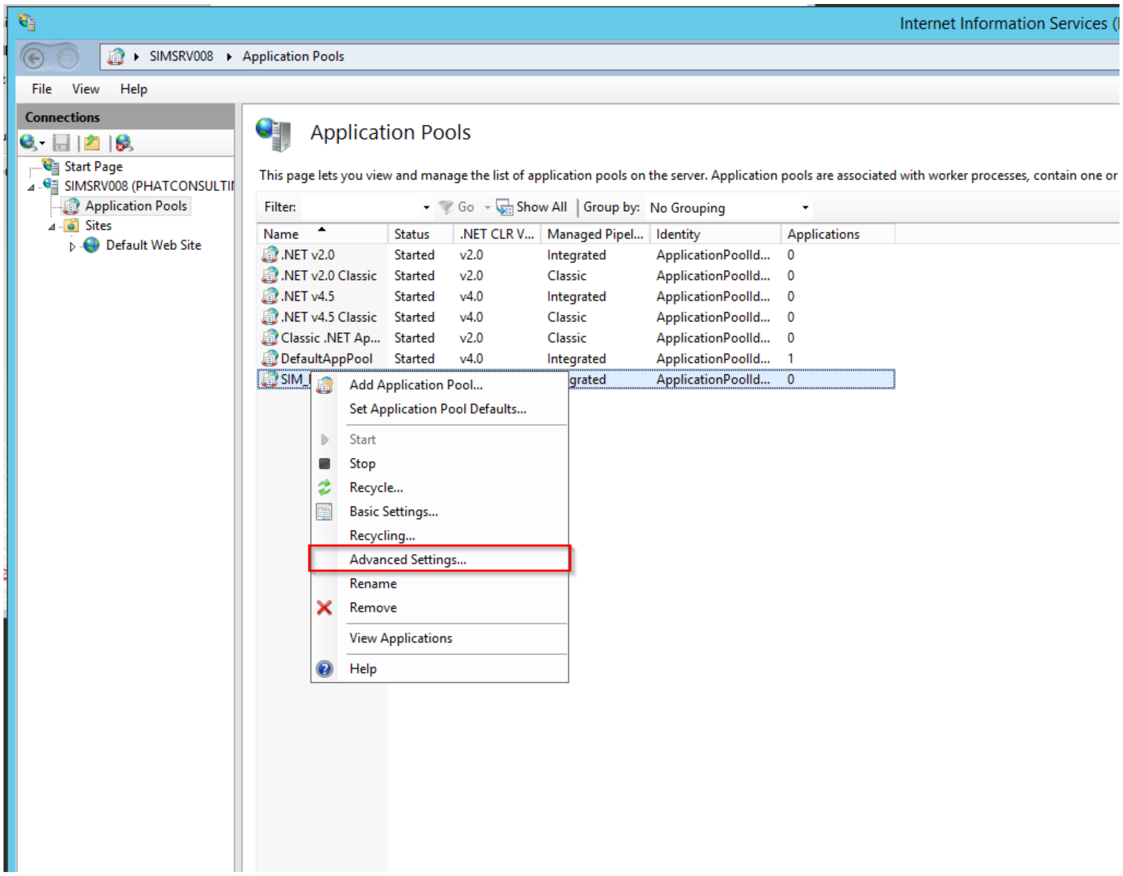
Name: SIM_R001

.NET CLR version: .NET CLR Version v2.0.50727

Managed pipeline mode: Integrated

☑ Start application pool immediately

Navigate to the advanced settings of the created application pool (Figure 3) and set the ‘Idle Time-out(minutes)’ parameter to ‘600’. Set the ‘Idle Time-out Action’ parameter to ‘Suspend’.

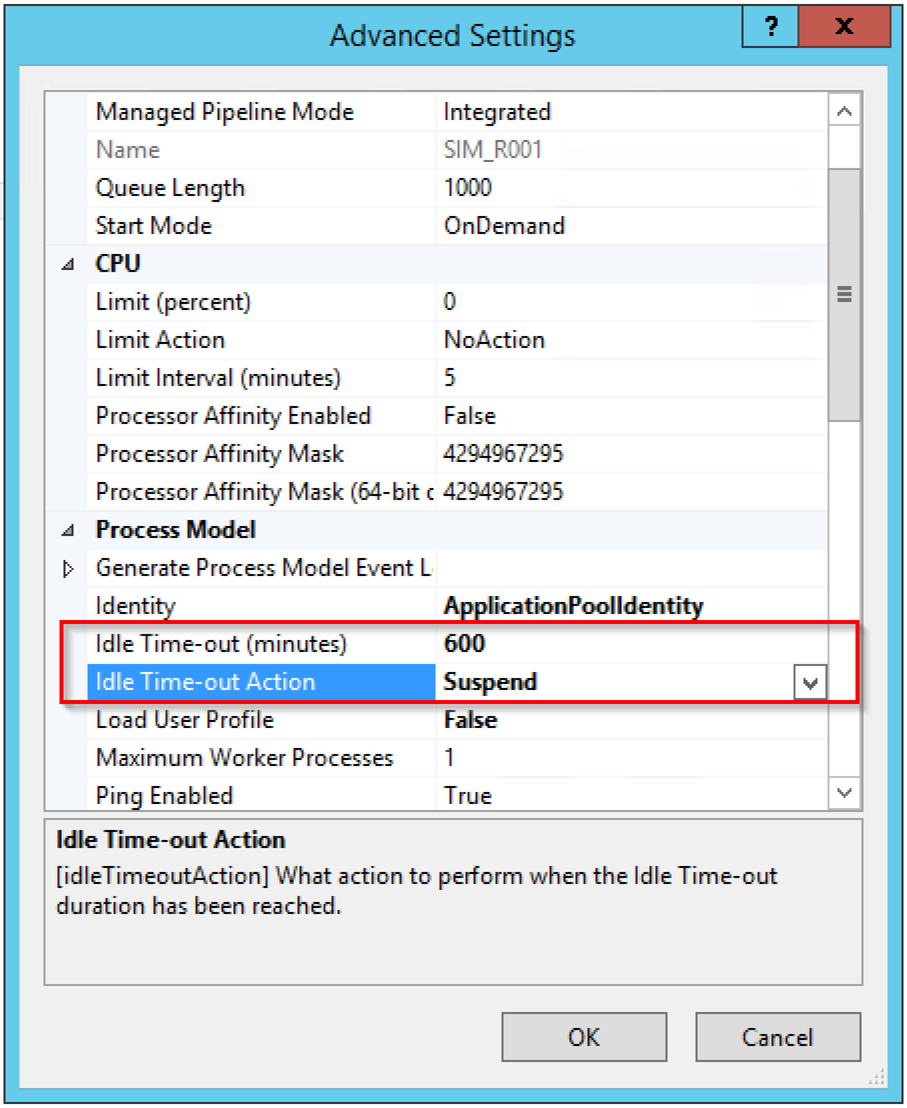


Application Pools

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

Name	Status	.NET CLR V...	Managed Pipel...	Identity	Applications
.NET v2.0	Started	v2.0	Integrated	ApplicationPoolId...	0
.NET v2.0 Classic	Started	v2.0	Classic	ApplicationPoolId...	0
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId...	0
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId...	0
Classic .NET Ap...	Started	v2.0	Classic	ApplicationPoolId...	0
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolId...	1
SIM_			grated	ApplicationPoolId...	0

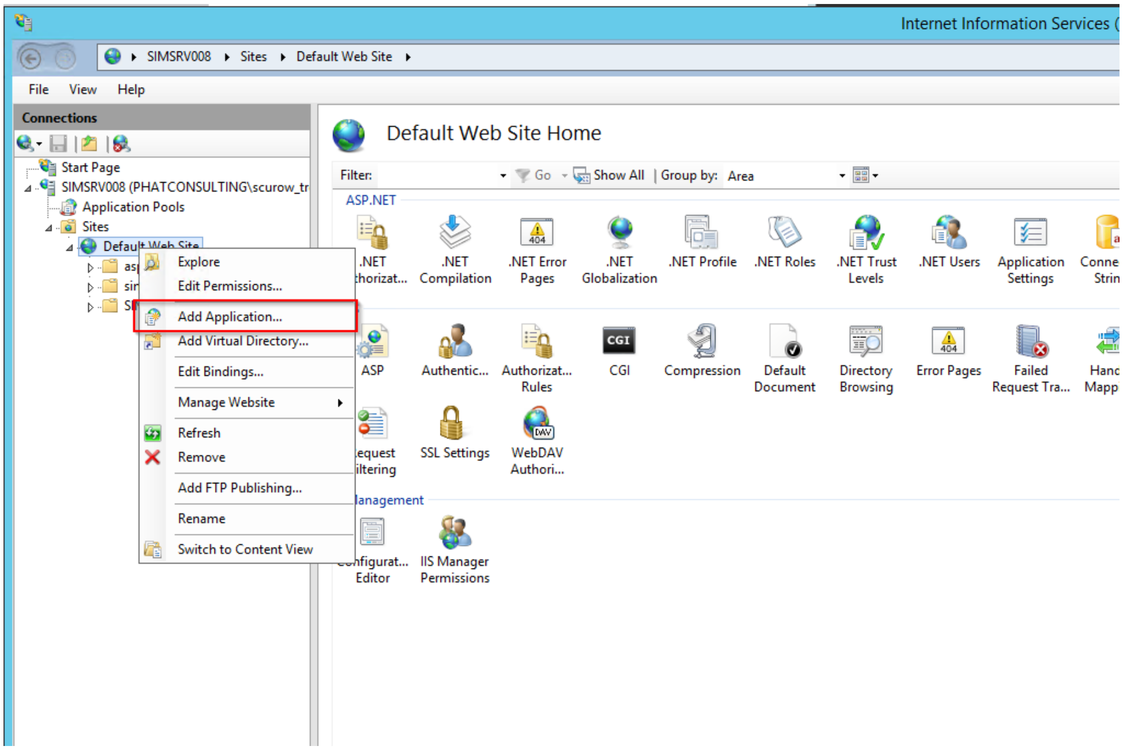
Next, choose the 'Add Application' option in the right-click dialogue of the Default Web Site, choose the name of the application, the application pool that has just been created and the website folder that you copied in the C:inetpub\wwwroot… directory.

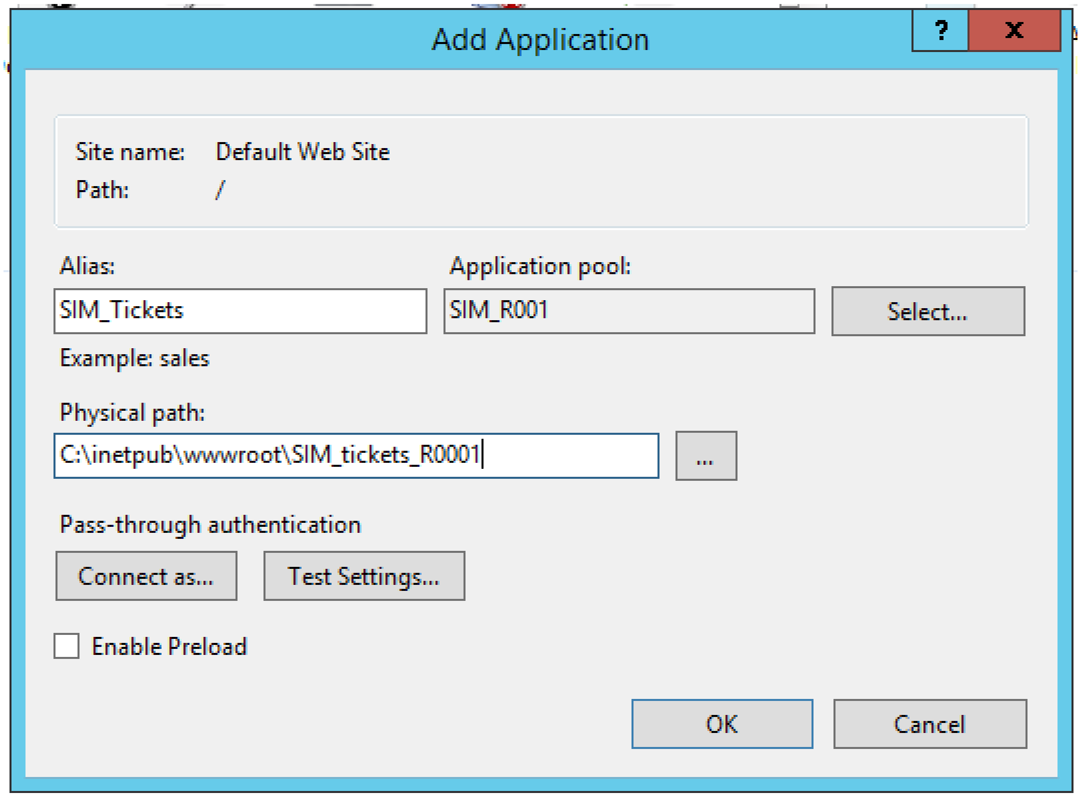


Managed Pipeline Mode	Integrated
Name	SIM_R001
Queue Length	1000
Start Mode	OnDemand
CPU	
Limit (percent)	0
Limit Action	NoAction
Limit Interval (minutes)	5
Processor Affinity Enabled	False
Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit c	4294967295
Process Model	
Generate Process Model Event L	
Identity	**ApplicationPoolIdentity**
Idle Time-out (minutes)	**600**
Idle Time-out Action	**Suspend**
Load User Profile	**False**
Maximum Worker Processes	1
Ping Enabled	True

Idle Time-out Action

[idleTimeoutAction] What action to perform when the Idle Time-out duration has been reached.





Site name: Default Web Site
Path: /

Alias: SIM_Tickets

Application pool: SIM_R001

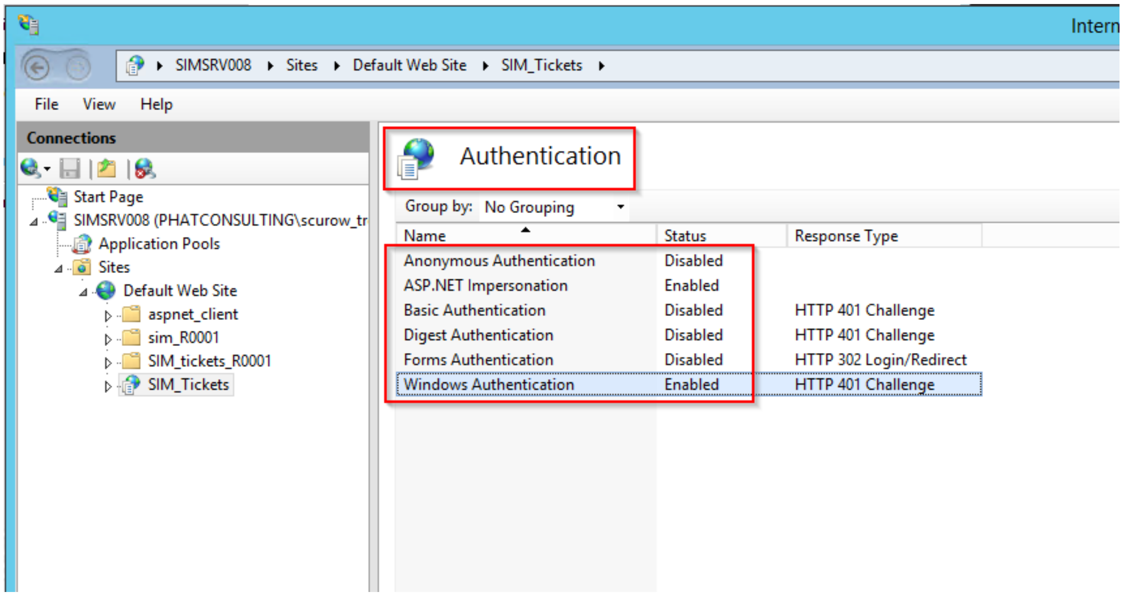
Example: sales

Physical path: C:\inetpub\wwwroot\SIM_tickets_R0001

Pass-through authentication

☐ Enable Preload

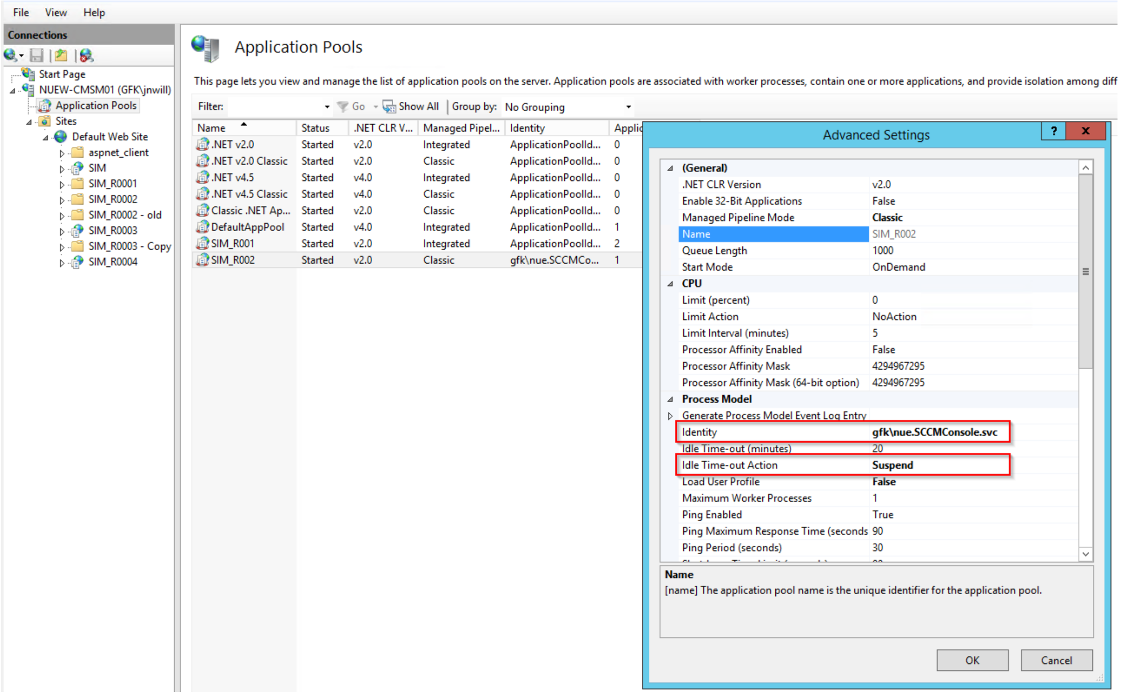
After this navigate to the ‘Authentication’ settings of the new application. Set the authentication as seen below:



Authentication

Name	Status	Response Type
Anonymous Authentication	Disabled	
ASP.NET Impersonation	Enabled	
Basic Authentication	Disabled	HTTP 401 Challenge
Digest Authentication	Disabled	HTTP 401 Challenge
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authentication	Enabled	HTTP 401 Challenge

For some features, it is necessary that a second AppPool is created using these settings:



Application Pools

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 diff

Name	Status	.NET CLR V...	Managed Pipel...	Identity	Applic
.NET v2.0	Started	v2.0	Integrated	ApplicationPoolId...	0
.NET v2.0 Classic	Started	v2.0	Classic	ApplicationPoolId...	0
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId...	0
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId...	0
Classic .NET Ap...	Started	v2.0	Classic	ApplicationPoolId...	0
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolId...	1
SIM_R001	Started	v2.0	Integrated	ApplicationPoolId...	2
SIM_R002	Started	v2.0	Classic	gfk\nue.SCCMCo...	1

Advanced Settings

(General)	
.NET CLR Version	v2.0
Enable 32-Bit Applications	False
Managed Pipeline Mode	**Classic**
Name	SIM_R002
Queue Length	1000
Start Mode	OnDemand
CPU	
Limit (percent)	0
Limit Action	NoAction
Limit Interval (minutes)	5
Processor Affinity Enabled	False
Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit option)	4294967295
Process Model	
Generate Process Model Event Log Entry	
Identity	**gfk\nue.SCCMConsole.svc**
Idle Time-out (minutes)	20
Idle Time-out Action	**Suspend**
Load User Profile	**False**
Maximum Worker Processes	1
Ping Enabled	True
Ping Maximum Response Time (seconds	90
Ping Period (seconds)	30

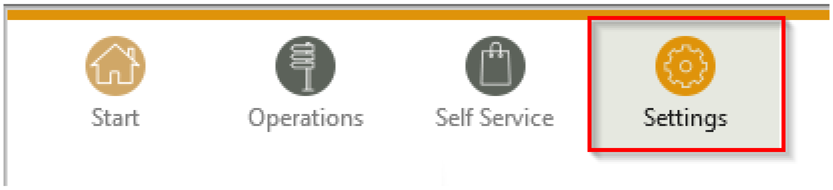
Name
[name] The application pool name is the unique identifier for the application pool.

Licence

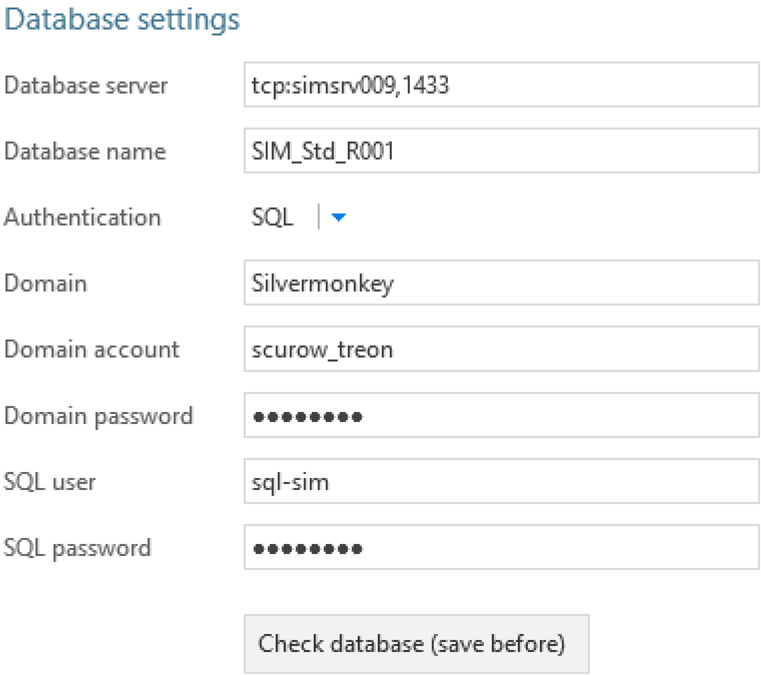
Your Licence is part of the license certificate. Your can find an Information on this topic here: *KB00013 - Activating and Updating License Key*

Setting up Database Connection

Silver Monkey Administrator rights are required to set or update the SQL Server Connection via the user interface. If the "Settings"-Tab is visible, you got the required rights:



Fill in the fields in the Database Settings:



Database settings

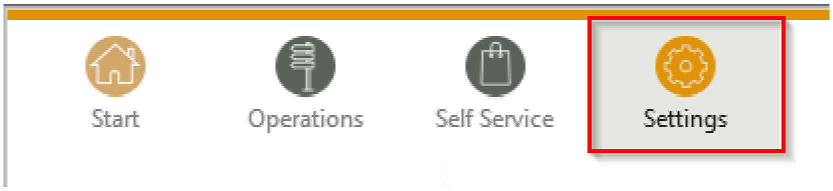
Database server	tcp:simsrv009,1433
Database name	SIM_Std_R001
Authentication	SQL
Domain	Silvermonkey
Domain account	scurow_treon
Domain password	●●●●●●●●●
SQL user	sql-sim
SQL password	●●●●●●●●●

Click the ‘Save’-button, click the ‘Check database (save before)’-button.

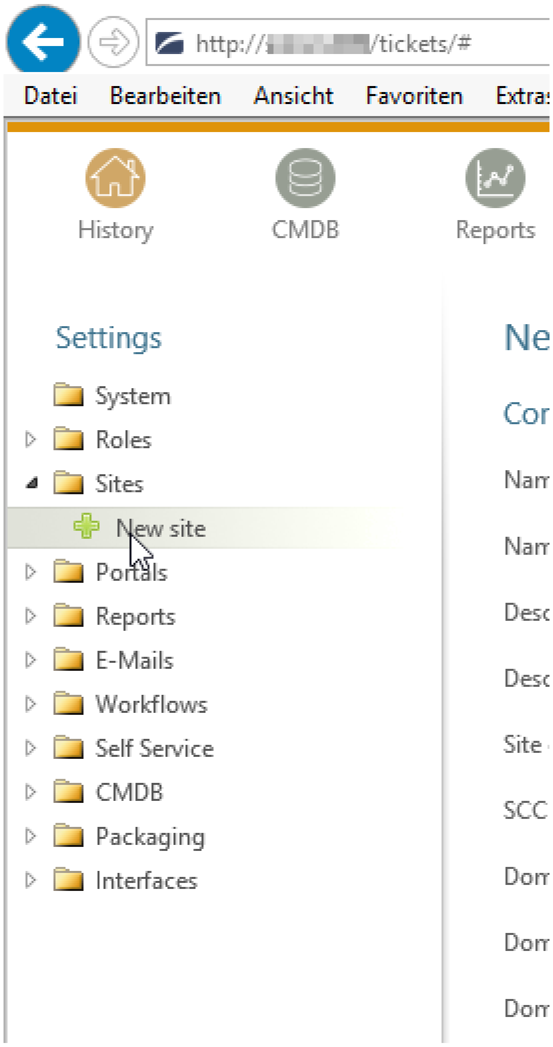
The following Pop-Up shows the test result. If the test was not successfull, please check if the specified account has the correct user rights.

Setting up ConfigMgr Connection

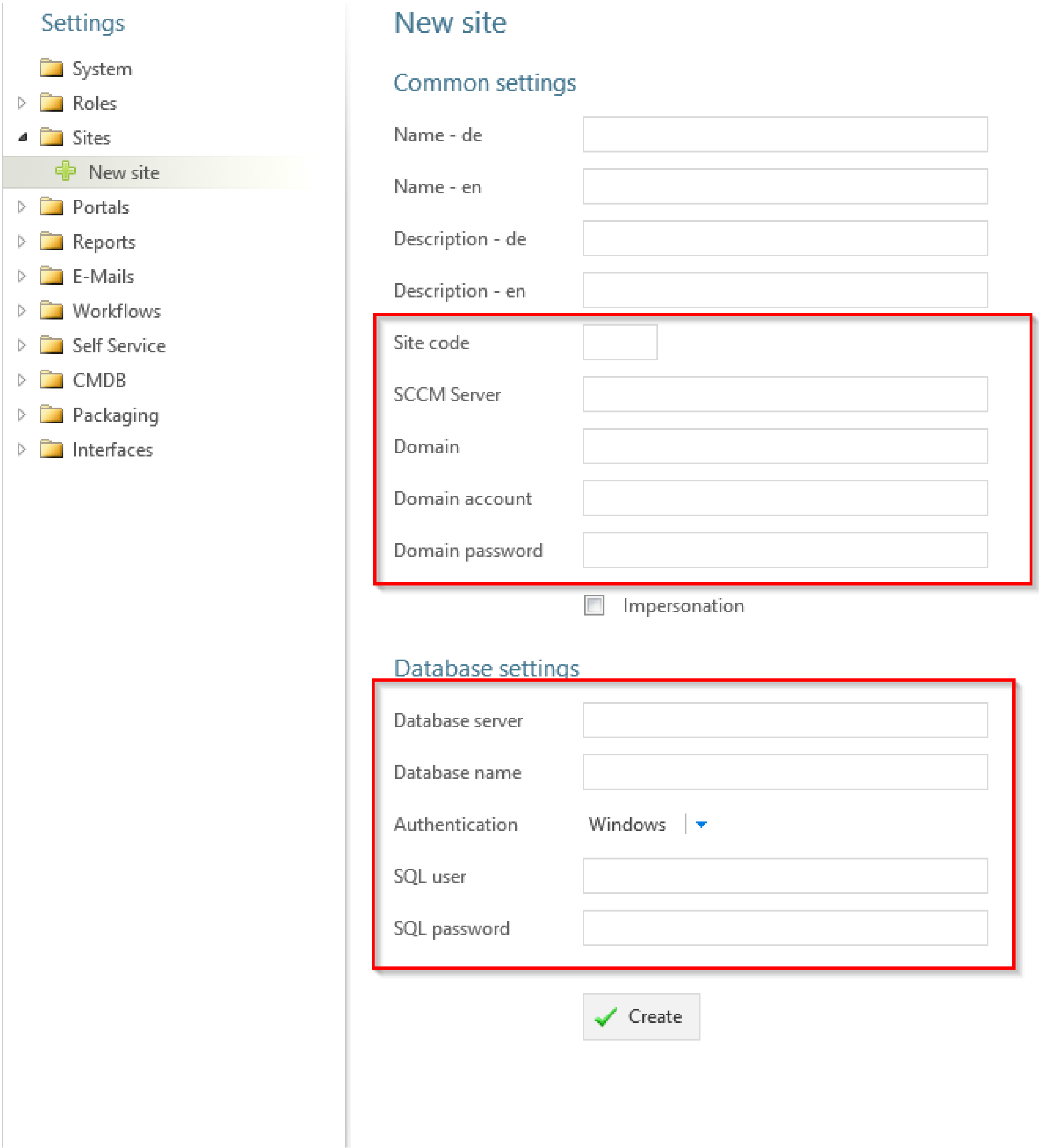
Silver Monkey Administrator rights are required to set or update the Configuration Manager Connection. If the “Settings”-Tab is visible, you got the required rights:



Expand the ‘Sites’ entry on the left side and choose ‘New site’:



Fill in the red-lined fields as seen below.



Authentication: Windows

Visit: *KB00017 - Configuration Manager Rights* to see which rights are required for the SCCM Service account and the SCCM SQL Service account.

Click the ‘Create’-button.

Note: The rest of the fields will be filled in in the configuration step of the implementation.

1.3 Manual

Contents:

1.3.1 General Configuration

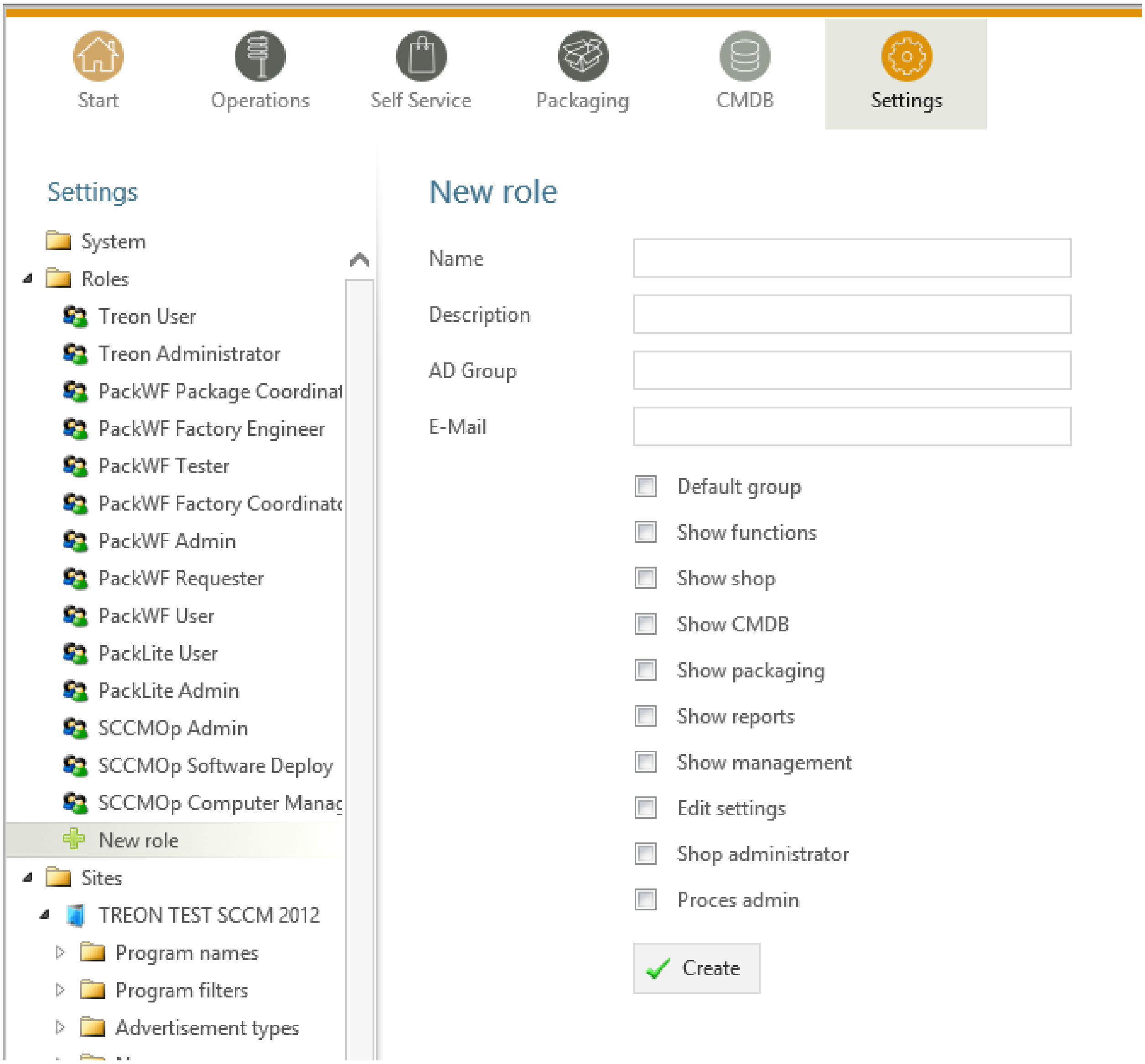
Warning: This article is under construction! Please DO NOT use any of the instructions below, yet! You may cause damage to your system. This article will be finished soon.

In this article:

Roles

Create roles to limit the permissions of predefined users. You can either define a group as default group (every user gets this role), or define a specific link to an Active Directory group. You can set permissions to limit the users access on functions, reports, lists or modules.

Click the "+ New Role"-Button to create a new role:



New role

Name

Description

AD Group

E-Mail

□ Default group

□ Show functions

□ Show shop

□ Show CMDB

□ Show packaging

□ Show reports

□ Show management

□ Edit settings

□ Shop administrator

□ Proces admin

✓ Create

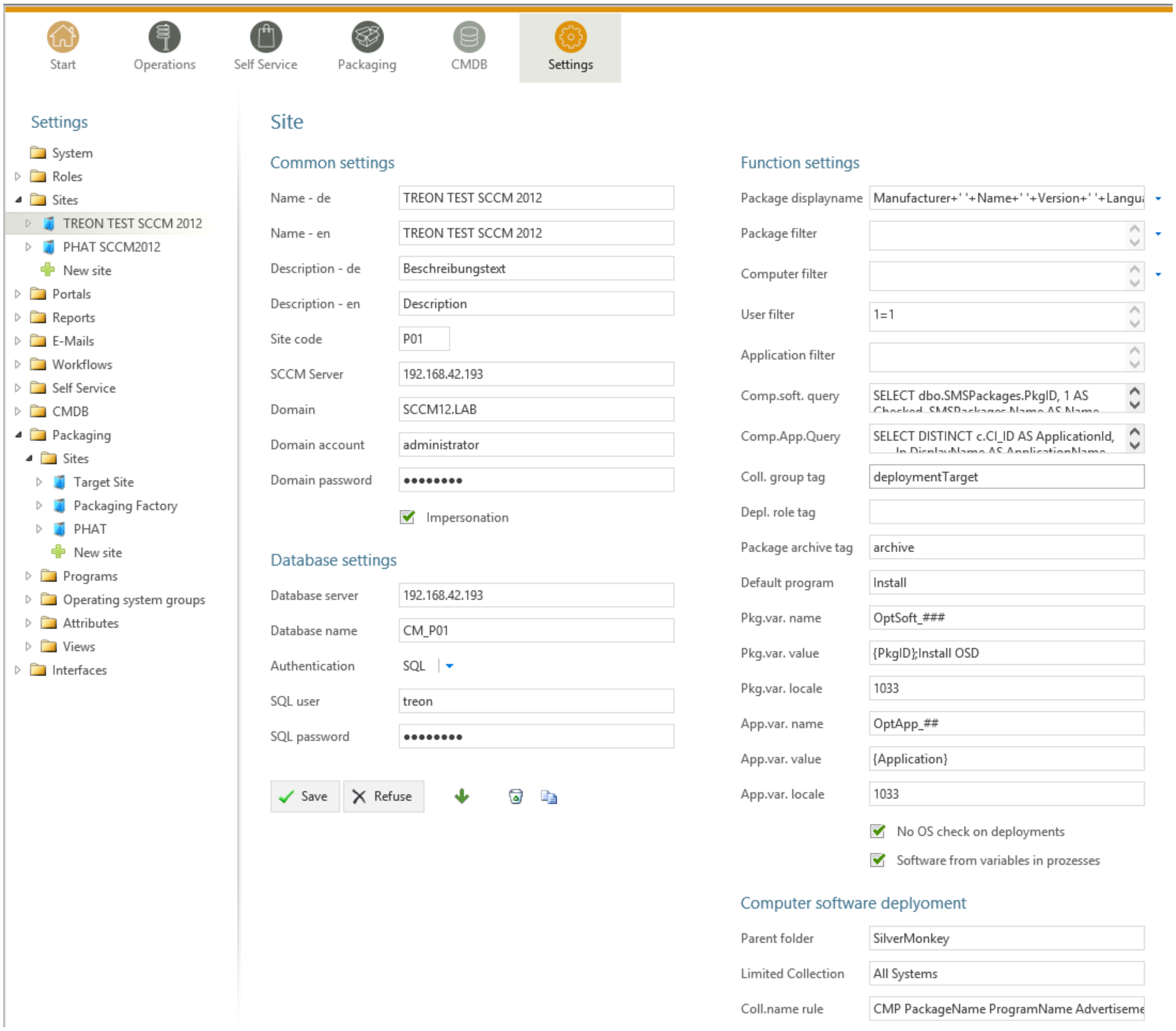
Property	Description
Name	The general name of the role.
Description	The role description.
AD Group	Here you can define an LDAP Path to an AD Group. All Users of the AD Group will get the configured role.
E-Mail	Depricated.
Default Group	If you choose this option every user will get this role.
Show functions	Enables the user to see the functions tab in the main menue.
Show Shop	Enables the role to see the software shop.
Show CMDB	Enables the role to see the CMDB module.
Show packaging	Enables the role to see the packaging tab.
Show reports	Enables the role to see the reports module.
Show management	Enables the role to see the management module.
Edit settings	Enables the role to edit the settings of the SIM instance. Only an option for administrators.
Shop Administrator	Enables the role to edit requests in the software shop.
Proces admin	Enables the role to use the set status function.

Sites

Create a new site via the “+ New site”-Button to connect the Packaging Module to your SCCM Site/SCCM database:

Common Settings

Property	Description
Name - de	Displayed German name of the site.
Name - en	Displayed English name of the site.
Description - de	German site description.
Description - en	English site description.
Site code	The site code of your SCCM Site. (The site code has to be unique to one site).
SCCM Server	Hostname of the SCCM Server.
Domain	Domain of the SCCM service account.
Domain account	Name of the sccm service account. This account is used for all functions. (specify without domain) To see which permissions this accounts needs please see the reference at the end of this subsection.
Domain password	Password of the SCCM service account.
Impersonation	You have to choose this option if the installation is directly on the SCCM server.



Settings

- System
- Roles
- Sites
  - TREON TEST SCCM 2012
  - PHAT SCCM2012
  - New site
- Portals
- Reports
- E-Mails
- Workflows
- Self Service
- CMDB
- Packaging
  - Sites
    - Target Site
    - Packaging Factory
    - PHAT
    - New site
  - Programs
  - Operating system groups
  - Attributes
  - Views
- Interfaces

Site

Common settings

Name - de	TREON TEST SCCM 2012
Name - en	TREON TEST SCCM 2012
Description - de	Beschreibungstext
Description - en	Description
Site code	P01
SCCM Server	192.168.42.193
Domain	SCCM12.LAB
Domain account	administrator
Domain password	••••••••

☑ Impersonation

Database settings

Database server	192.168.42.193
Database name	CM_P01
Authentication	SQL
SQL user	treon
SQL password	••••••••

Function settings

Package displayname	Manufacturer+' '+Name+' '+Version+' '+Langu
Package filter	
Computer filter	
User filter	1=1
Application filter	
Comp.soft. query	SELECT dbo.SMSPackages.PkgID, 1 AS Checked, SMSPackages.Name AS Name
Comp.App.Query	SELECT DISTINCT c.CI_ID AS ApplicationId, ln.DisplayName AS ApplicationName
Coll. group tag	deploymentTarget
Depl. role tag	
Package archive tag	archive
Default program	Install
Pkg.var. name	OptSoft_###
Pkg.var. value	{PkgID};Install OSD
Pkg.var. locale	1033
App.var. name	OptApp_##
App.var. value	{Application}
App.var. locale	1033

☑ No OS check on deployments

☑ Software from variables in prozesses

Computer software deplyoment

Parent folder	SilverMonkey
Limited Collection	All Systems
Coll.name rule	CMP PackageName ProgramName Advertiseme

Database settings

Property	Description
Database server	Specify the SCCM SQL database server. (IP adress or FQDN)
Database name	Name of the SCCM SQL database.
Authentication	Choose the type of database authetication: SQL or Windows authentication. If you choose Windows authentication the domain account specified in the common settings will be used.
SQl user	Name of the SCCM SQL database service account (if you chose SQL authentication).
Name - en	Password of the SCCM SQL database service account (if you chose SQL authentication).

Function Settings

Property	Description
Package displayname	Defines how SIM displays the package displayname in an SQL syntax. (e.g. Manufacturer+’‘+Name+’‘+Version+’‘+Language).
Package filter	Defines an SQL based fitler for the displaying of the packages in the Operations Module.
Computer filter	Defines an SQL based fitler for the displaying of the computers in the Operations Module.
User filter	Defindes an SQL based fitler for the displaying of the users in the Operations Module.
Application filter	Defines an SQL based filter for the displaying of the applications in the Operations Module.
Comp.software.query	SQl Query that is used to detemine the software that is installed on a computer.
Comp.app.query	SQl Query that is used to detemine the applications that are installed on a computer.
Coll. group tag	Documentation pending!
Depl. role tag	Documentation pending!
Package archive tag	Documentation pending!
Default program	Documentation pending!
Pkg.var. name	Documentation pending!
Pkg.var. value	Documentation pending!
Pkg.var. locale	Documentation pending!
App.var. name	Documentation pending!
App.var. value	Documentation pending!
App.var locale	Documentation pending!
No OS check on deployments	Documentation pending!
Software from variables in prozesses	Documentation pending!

Computer Software Deployment

Property	Description
Parent folder	Folder that acts as a container for all dynamically generated Distribution-Collections (SCCM 2012 only) for computers.
Limited Collection	Collection that acts as a container for all dynamically generated Distribution-Collections (SCCM 2012 only) for computers.
Coll.name rule	Naming rule for the creation of new dynamically generated advertisements for computers. You can use the follwing fields as Placeholders : “{PackageName}”, “{ProgramName}”,”{AdvertisementType}”,”{OfferType }” and also all fields of the “SMSPackage”-table in the SCCM database. Example: “CMP PackageName ProgramName AdvertisementType OfferType”
Advert.name rule	Specify an optional folder for the creation of dynamically generated advertisements for computers.

User Software Deployment

Property	Description
Parent folder	Folder that acts as a container for all dynamically generated Distribution-Collections (SCCM 2012 only) for users.
Limited Collection	Collection that acts as a container for all dynamically generated Distribution-Collections (SCCM 2012 only) for users.
Coll.name rule	Naming rule for the creation of new dynamically generated advertisements for users. You can use the follwing fields as Placeholders : “{PackageName}”, “{ProgramName}”,”{AdvertisementType}”,”{OfferType }” and also all fields of the “SMSPackage”-table in the SCCM database. Example: “CMP PackageName ProgramName AdvertisementType OfferType”
Advert.name rule	Specify an optional folder for the creation of dynamically generated advertisements for users.

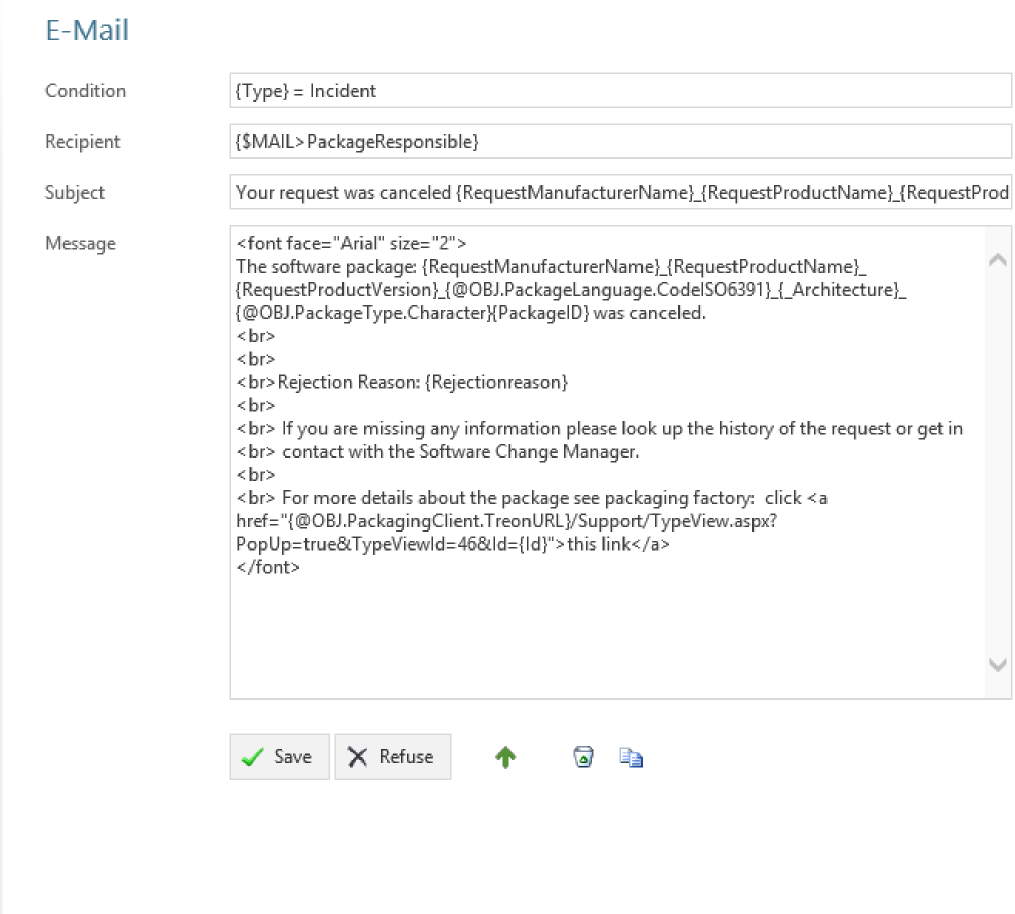
E-Mails

Configure mails for workflows or forms here.

Email-Group

Property	Description
Name - de	German name for the email-group
Name - en	English name for the email-group

Email



E-Mail

Condition: {Type} = Incident

Recipient: {$MAIL>PackageResponsible}

Subject: Your request was canceled {RequestManufacturerName}_{RequestProductName}_{RequestProd

Message:

```
<font face="Arial" size="2">
The software package: {RequestManufacturerName}_{RequestProductName}_
{RequestProductVersion}_{@OBJ.PackageLanguage.CodeISO6391}_{_Architecture}_
{@OBJ.PackageType.Character}{PackageID} was canceled.
<br>
<br>
<br>Rejection Reason: {Rejectionreason}
<br>
<br> If you are missing any information please look up the history of the request or get in
<br> contact with the Software Change Manager.
<br>
<br> For more details about the package see packaging factory:  click <a
href="{@OBJ.PackagingClient.TreonURL}/Support/TypeView.aspx?
PopUp=true&TypeViewId=46&Id={Id}">this link</a>
</font>
```

Condition

Define a condition that decides wheather the email should be sent or not. If this is left empty, the email will always be sent. Concatenate rules by using "AND". The following operators are avalible in the condition field:

Operator	Description
=	equals
<	less than
>	more than
!	does not equal
{roles} # Software Change Manager	"roles" contains the inserted Software Change Manager (case sensitive)
{roles} ^ Treon User	"roles" does NOT contain the inserted Treon User (case sensitive)

Note: The last two operators are role filters and will ONLY be working on {roles}!

Furthermore, you can use palceholders that reference to attributes of the associated workflow as seen in the following example:

```
{Manufacturer}=Adobe AND {Product}!Reader
```

In this case, the email will be sent if the Workflow parameter "Manufacturer" is filled with the value "Adobe" and the parameter "Product" does not equal "Reader".

Recipient

Defines the recipient of the email. You can specify a concrete adresse such as "support@silvermonkey.net" or use different placeholders:

Property	Description
{TicketResponsible}	Takes the value of the specified attribute in the workflow context.
{$MAIL>IssueEditor}	Takes the email adress of the specified Active Directory field in the workflow context.
{@OBJ.PartnerResponsiblePerson.Email}	Takes an entry out of another table/class that is connected to the main class and Workflow context. Syntax: {@OBJ.Table.Column}

Example:

```
{@OBJ.PartnerResponsiblePerson.Email}
```

Seperate multiple recipients with a semicolon.

Subject

The subject in the email. You can use the same placeholders as you do in the recipient.

Example:

```
Your request was cancelled {RequestManufacturerName}_{RequestProductName}_
↪{RequestProductVersion}_{@OBJ.PackageLanguage.CodeISO6391}_{Architecture}_
↪{@OBJ.PackageType.Character}{PackageID}
```

Message

The message of the email. You can use the same placeholders as you do in the recipient.

Example:

```
<font face="Arial" size="2">
The software package: {RequestManufacturerName}_{RequestProductName}_
↪{RequestProductVersion}_{@OBJ.PackageLanguage.CodeISO6391}_{Architecture}_
↪{@OBJ.PackageType.Character}{PackageID} was canceled.
<br>
<br>
<br>Rejection Reason: {Rejectionreason}
<br>
<br> If you are missing any information please look up the history of the␣
↪request or get in
<br> contact with the Software Change Manager.
<br>
<br> For more details about the package see packaging factory:  click <a␣
↪href="{@OBJ.PackagingClient.TreonURL}/Support/TypeView.aspx?PopUp=true&
↪TypeViewId=46&Id={Id}">this link</a>
</font>
```

Workflows

Configure workflows for the CMDB and the packaging process.

Property	Description
Name - de	German name of the workflow.
Name - en	English name of the workflow.

Status

Note: Change the position of a status with the green arrows in the status definition.

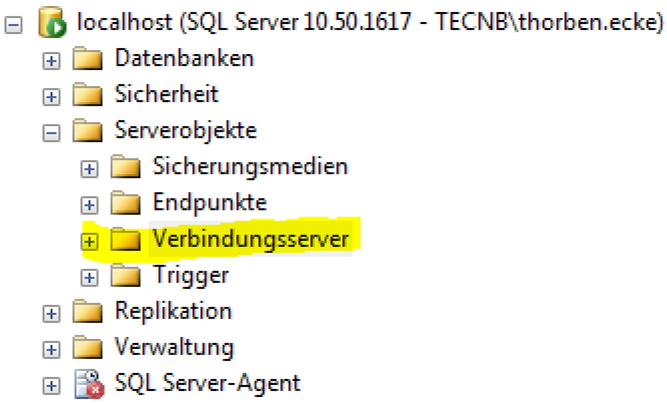
Property	Description
Name - de	German name of the Status.
Name - en	English name of the Status.
Token	Define the roles that have the permission to edit Forms in this Status. You can define multiple roles seperated with a semicolon.
Plausibility	Define a condition that decides wheather or not the buttons to proceed to this status will be displayed. See the Condition Section in the previous chapter for more details.
Only visible when status is active	Enable this option to hide the status in the form until the form has reached this status. (Usefull for rejected status)

Follower

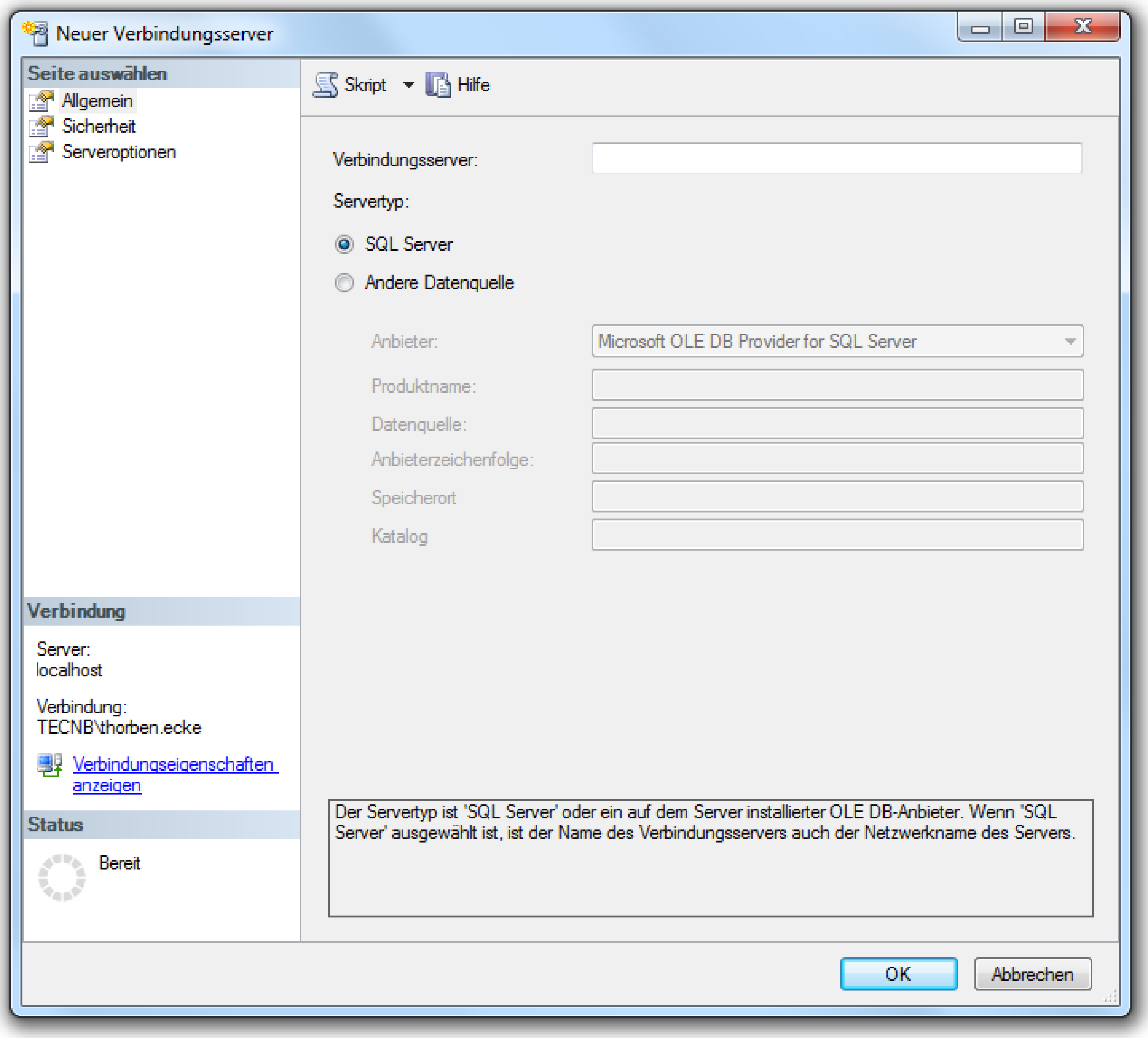
Property	Description
Follower	Choose another workflow status as follower.
Function text - de	German label text of the button to change the status to the one specified in the follower field. If you enter nothing the label of the targetet workflow status will be displayed.
Function text - en	English Label Text of the button to change the status to the one specified in the follower field. If you enter nothing the label of the targetet workflow status will be displayed.
Message - de	Define the german text of the message box that will be displayed when the status is changed to the follower.
Message - en	Define the english text of the message box that will be displayed when the status is changed to the follower.
E-mail group	Choose an email group that will be triggerd when the status is changed to the follower. This has the advantage that conditions from the email group are enabled (See the previos chapter for details regarding emails).
E-Mail recipient	Manually choose an email recipient. (See the previos chapter for details).
E-Mail subject	Manually choose an email subject. (See the previos chapter for details).
E-Mail message	Manually choose an email message. (See the previos chapter for details).
Reject	Choosing this option changes the appearance of the follower-button and creates a popup that will appear when the button is clicked.

Interfaces

The interfaces provide a simple and efficient way to fill or to equalize the SIM database with data from SCCM or other databases. This is done best by using the SQL Merge command. Unless the databases are not on the same Microsoft SQL Server, the source server has to be made familiar to the SIM database server via a linkserver:



Example of the adjustment of computer objects from SCCM into SIM database. New computers are automatically created, existing ones are updated and obsolete ones are deleted in SIM:



Verbindungsserver:

Servertyp:

● SQL Server

○ Andere Datenquelle

Anbieter: Microsoft OLE DB Provider for SQL Server

Produktname:

Datenquelle:

Anbieterzeichenfolge:

Speicherort

Katalog

Server:
localhost

Verbindung:
TECNB\thorben.ecke

Bereit

Der Servertyp ist 'SQL Server' oder ein auf dem Server installierter OLE DB-Anbieter. Wenn 'SQL Server' ausgewählt ist, ist der Name des Verbindungsservers auch der Netzwerkname des Servers.

```
MERGE treonV5.dbo.Computer AS t
USING (
      SELECT ResourceID, Name0
      FROM   [SCCM_Servername].SMS_P01.dbo.v_R_System
      WHERE  ISNULL(Obsolete0,0) = 0
) AS s
ON s.ResourceId = t.ItemKey

WHEN MATCHED THEN
      UPDATE SET t.ItemKey = s.ResourceId,
                 t.Name = s.Name0,
                 t.SysDisplayName = s.Name0

WHEN NOT MATCHED THEN
      INSERT ( ItemKey,
               Name,
               SysDisplayName )
      VALUES ( s.ResourceId,
               s.Name0,
               s.Name0 )

WHEN NOT MATCHED BY SOURCE THEN
        DELETE;
```

Example of the adjustment of software objects from SCCM into SIM database. New packages are automatically created, existing ones are updated and obsolete ones are deleted in SIM:

```
MERGE treonV5.dbo.Software AS t
USING (
      SELECT PkgId, Name, Version, Language, Manufacturer
      FROM   [SCCM_Servername].SMS_P01.dbo.SMSPackages
      WHERE  PackageType=0
) AS s
ON s.PkgId = t.PkgId COLLATE Latin1_General_CI_AS

WHEN MATCHED THEN
      UPDATE SET t.Manufacturer = s.Manufacturer,
                 t.Product = s.Name,
                 t.Version = s.Version,
                 t.Language = s.Language,
                 t.PkgId = s.PkgId,
                 t.SysDisplayName = s.Manufacturer + ' ' + s.Name + ' ' + s.Version

WHEN NOT MATCHED THEN
      INSERT ( Manufacturer,
               Product,
               Version,
               Language,
               PkgId,
               SysDisplayName )
      VALUES ( s.Manufacturer,
               s.Name,
               s.Version,
               s.Language,
               s.PkgId,
               s.Manufacturer + ' ' + s.Name + ' ' + s.Version )
```

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```

WHEN NOT MATCHED BY SOURCE THEN
        DELETE;
```

The interfaces are accessed via the CMDB function menu or called directly via the page “Support / ExecuteInterface.aspx”. A specified interface can be started right away, with the URL parameter “Interface”. Several interfaces can be successively launched by lining up several interface names seperated with semicolons. This process is suitable to be called in a Windows scheduled task.

Using Placeholders

Placerholders are used to reference attributes in the life time execution of events (Sending emails, displaying formulars, querying databases etc.) Placeholders in XML definitions are useful in several scenarios. You can use them in the email definitions, form and list definitions and functions that use SLQ queries.

There are three main types of references:

Reference Type	Description	Example
{[AttributeName]}	References an Attribute in the current execution context.	{Name}
{$[ADParameter]>[AttributeName]}	Takes the desired part of the Active Directory Attribute that is referenced. You can use the follwing AD Parameters: [$MAIL] gives the email, [$NAME] gives the displayname,[$USERNAME] gives the username, [$ESCAPEDUSERNAME] gives the Domain + Username .	{$MAIL>Packageresponsible}
{@OBJ.[Table].[AttributeName]}	Takes an entry out of another table/class that is connected to the main class in the execution context. Syntax: {@OBJ.Table.Column}	{@OBJ.Issue.TicketResponsible}
{CURRENTUSER}	Shows the currently logged-on user.	{CURRENTUSER}

CMDB Class automation

Within every CMDB Class (including “Packaging”) the automation attribute can be used to define two different types of automatic script triggering:

1. Executing an MSSQL Query in context of the SilverMonkey Database (default)
2. Executing an external process (like powershell) to run custom scripts

```
<trigger>

        <afterUpdate field="" value=""
                command=" exec sp_MyMSSQLStoredProcedure @Id='{Id}' "
        />

        <afterUpdate field="" value="" title="executeMyScript"
                script="C:\Windows\system32\WindowsPowerShell\v1.0\powershell.exe"
                arguments="C:\SilverMonkey\v5\Tools\MyScript.ps1 -ID {Id}"
                condition="{SysStatus} = A1 - Request"
                restart="false"
                back="true"
```

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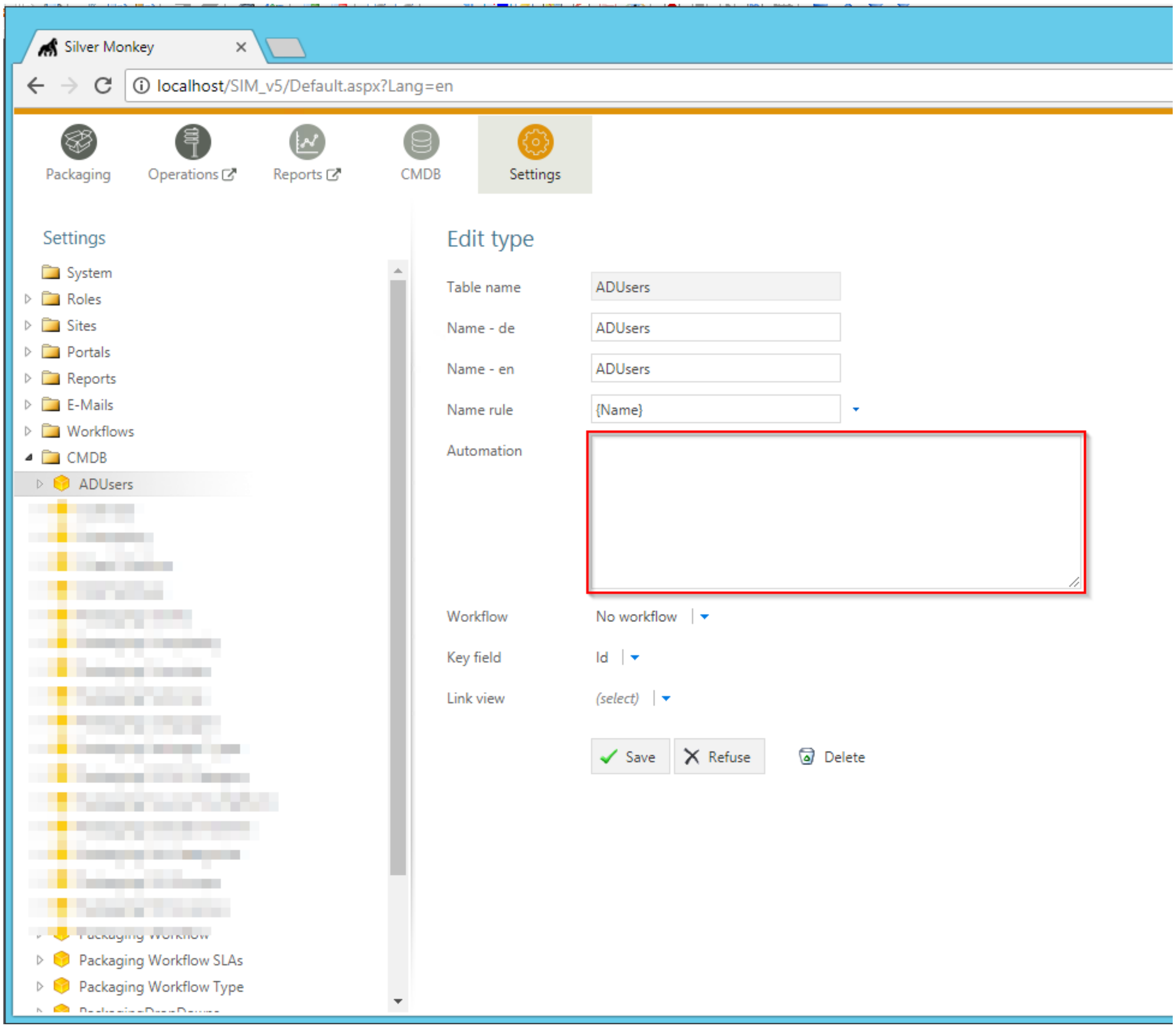
```
        />

</trigger>
```

The corresponding setting can be found here:



Edit type

Table name	ADUsers
Name - de	ADUsers
Name - en	ADUsers
Name rule	{Name}
Automation	
Workflow	No workflow
Key field	Id
Link view	(select)

Form Definition

Form Elements

Form elements are displayed in detail forms.

Every form element has to be definded in the XML block `<views><view><controls>`.

Note: In the following sections, you will finde code-blocks filled with example code. Expressions in square brackets in the tables below are placeholders. Please be sure to replace the example code with specific expressions for your case if you want to copy and use xml statements from this page. (e.g. if you want to display a widget 300 pixels wide, change *width="250"* to *width="300"* ***or** replace *width="[width in px]"* with *width="300"*).

Headline

Enter the following code to display a headline:

```
<views>
<view>
<controls>
<headline text="ExampleClass" />
```

Manual/General Configuration/_static/Headlin

Configuration/$_{s}tatic/Headline.PNG$

Fig. 1: This is how a headline is displayed in the CMBD form.

Section

Define a section as follows:

```
<views>
<view>
<controls>
<section text="ExampleSection" />
```

Manual/General Configuration/_static/Exam

Configuration/$_{s}tatic/Example_{S}ection.PNG$

Fig. 2: This is how a section is displayed in the CMBD form.

Paragraph

Define a paragraph as follows:

```
<views>
<view>
<controls>
<paragraph text="This example paragraph has been created in order to test funtionality." />
```

Manual/General Configuration/_static/Paragr

Configuration/$_{s}tatic/Paragraph.PNG$

Fig. 3: This is how a paragraph is displayed in the CMBD form.

Attribute

Note: In order to use attributes as form elements, they will have to be created first. For full reference see *Attributes*.

You can add an attribute this way:

```
<views>
<view>
<controls>
<attribute
    field="attribute name"
    validation="*"
    readonly="false"
    width="250"
    height="50"
    setDefaultOnLoad="Name1"
    forceDefault="false"
    Comment="This is a comment."
/>
```

Manual/General Configuration/_static/Attribu

Configuration/$_{s}tatic/Attribute.PNG$

Fig. 4: This is how attributes are displayed in the CMBD form.

<table>
<tr><th>Property</th><th>Description</th></tr>
<tr><td>field="[string]"</td><td>The name of the attribute according to the object definition. Optional fields can also be used. They should have a constant name.</td></tr>
<tr><td>validation="*"</td><td>Set up a validation rule (e.g. "*" is used to ask for obligatory input). Example:
validation="*"
validation="required: true, regexp: /^[A-Za-z\d]+$/i"
validation="required: true, regexp: /^[A-Za-z\d]{2,20}$/i"
Also available for Action buttons. The following resource keys (resource.xml) for Warning Messages Customization are given: uncompleted[Action Button] (i.e. uncompletedCopyFiles, uncompletedCMDB2SCCM, uncompletedExecute, uncompletedCreateActiveDirectory and so on).</td></tr>
<tr><td>readonly="[true|false]"</td><td>Distinguishes between reading mode and writing mode. Type in "true" for reading mode or "false" if you want to enable the user to enter text.</td></tr>
<tr><td>width="[width in px]"</td><td>Width of the widget given in pixels.</td></tr>
<tr><td>height="[height in px]"</td><td>Height of the widget given in pixels.</td></tr>
<tr><td>setDefaultOnLoad="[true|false]"</td><td>Defines the default value for an empty attribute that is set when the form is loading.</td></tr>
<tr><td>forceDefault="[true|false]"</td><td>Forces implementation of the default values.</td></tr>
<tr><td>Comment="[strings]"</td><td>Add a comment to the attribute. It will be displayed when the curser is moved to the "*" at the end of the attribute.</td></tr>
</table>

Comment

You can add comments to an object in the XML file that will not be displayed when it is executed.

```
<views>
<view>
<controls>
<comment text="[Example Comment.]" />
```

Connections

These are connections to objects. It is possible to set up new connections or new objects. Add connections using the following xml statement:

```
<views>
<view>
<controls>
<connections
  width="385"
  height="200"
  id="connection1"
  title="ConnectionServer"
```

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```
  filter="Software"
  link="true"
  create="view1; view2"
  readOnly="true"
  required="true/false"
/>
```

Property	Description
width="[width in px]"	Displayed width in pixels.
height="[height in px]"	Displayed height in pixels.
id="[string/integer]"	Unique label if multiple connection lists are displayed.
title="[string]"	Individual title for the connection list.
filter="[type]"	Restricts the connection list to one single object type.
link="[true|false]"	Enables opening referenced objects.
create="[viewX]"	List of object views which is supposed to be displayed when new objects are being set up and assigned.
readOnly="[true|false]"	Prevents user from setting up new connecitons if set to "true".

Manual/General Configuration/_static/Connec

Configuration/$_{s}tatic/Connection.PNG$

Fig. 5: This is how a connection is displayed in the CMBD form.

List

Display entrys of another class (e.g. table). It is possible to use placeholders for attributes in this statement.

Example:

```
<list
id="Resources1"
width="1200"
title="Computer Titel"
fields="Name,200~MACAdress,100~Language,898"
count="SELECT count([id])
FROM Computers"
data="
WITH myBase AS (
SELECT [Id] ,
[Name] ,
[MACAddress] ,
[Language] ,
ROW_NUMBER() OVER (
ORDER BY {order1}) AS POS
FROM Computers


```

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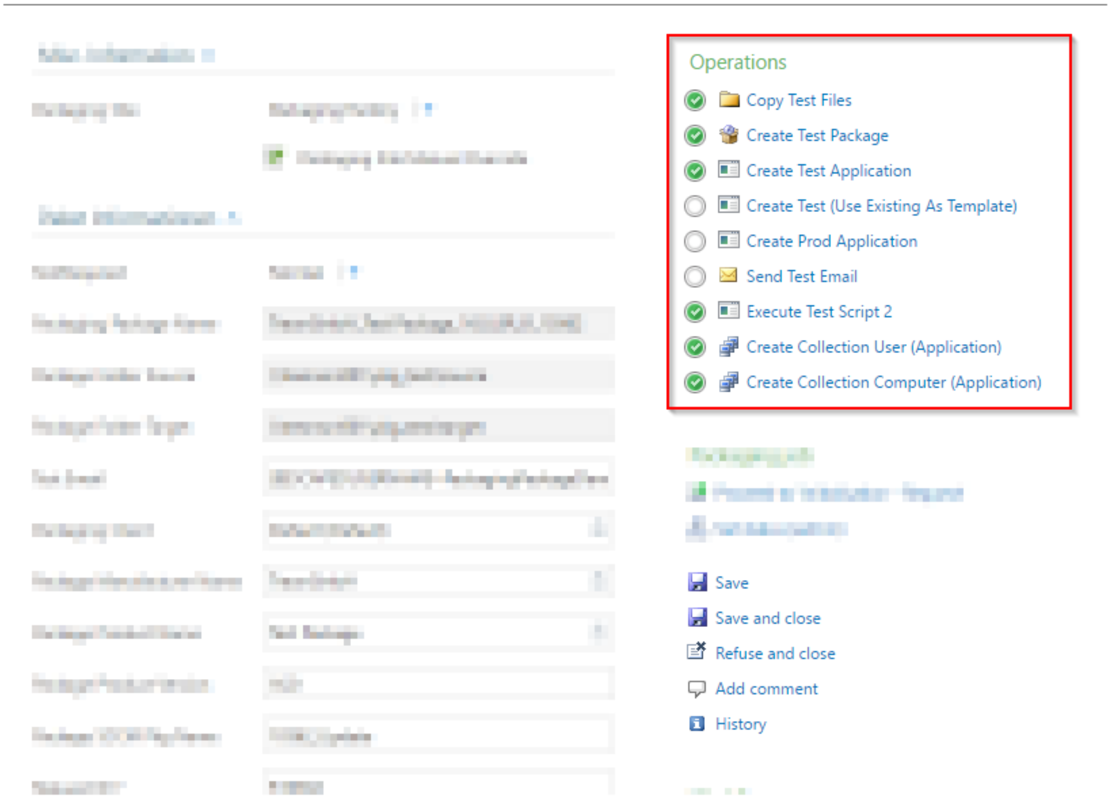
```

)

SELECT Id, Name, MACAddress, Language
FROM myBase
WHERE POS BETWEEN {start} AND {end}
ORDER BY {order2} DESC

"
order1="Name~MACAddress~Language"
order2="Name~MACAddress~Language"
view="Computers Details"
cmd="javascript: try {window.parent.gridTable.clearSelection();} catch (e){} try {window.opener.gridTable.clearSelection();} catch (e){} document.location.href='TypeView.aspx?PopUp=true&amp;TypeViewId={view}&amp;Id='+id"
/>
```

Property	Description
id=”[string/integer]”	Unique label if multiple lists are used in a single formular definition.
width=”[width in px]”	Overall width of the list in pixels.
title=”[string]”	Individual title for the list.
fields=”[SQLColumn~ColumnWidth,SQLColumn2~ColumnWidth2…]”	Used to determine the width of the columns in the list.
count=”[SQLStatementwithCountresult]”	Used to display the number of entrys in the list.
data=”[SQLStatement]”	The actual query that gets the data for the list.
order1=”[SQLColumn~SQLColumn2…]”	Used to determine the order in wich the sql result will be displayed.
order2=”[SQLColumn2~SQLColumn…]”	Alternative to order 1 that is also use to to determine the order in wich the sql result will be displayed.
view=”[ViewOfthereferencedClass]”	Enables the option to open entrys of other classes via click on the list element. This defines the View that is used to display the data.
cmd=”javascript: try {window.parent.gridTable.clearSelection();} catch (e){} try {window.opener.gridTable.clearSelection();} catch (e){} document.location.href=’TypeView.aspx?PopUp=true&amp;TypeViewId={view}&amp;Id=’+id”	Used for the opening of other classes.

Action Buttons

Action buttons are buttons in detail forms. When a user has writing permission for the specific step he / she can click on that button. Action buttons are displayed on the right side of every detail form as the following image shows:



Every action button has to be definded within a view in the XML block `<views><view><controls>`. Please see the following example:

Execute

Execution of a commandline or a script. The process will be executed in the context of the IIS application pool. However, you can use in the script impersonation for using specific accounts.

```
<execute
   title="Title of the button"
   command="C:\windows\system32\cmd.exe"
   arguments="{Var1} {Var2} {Var3}"
   exit_1="Execution was sucessfully processed."
   exit_2="Error while execution. See log for details."
   exit_dynamic="true"
   wait="true"
   validation="*"
/>
```

Available attributes

Attribute	Description
title="[Resource]"	Title of the button
command="[PathToExe]"	Full path to the executable file. Environment variables are not supported.
arguments="[{Var1} {Var2} {Var3}]"	Arguments passed to the executed process.
exit_nn="[Resource]"	After execution the exit code will be passed to the website. If a corresponding exit_nn parameter is set, a pop up is displayed to the user.
wait="[true|false]"	If set to true, the website waits for the execution to end.
validation="*"	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

> **Warning:** If "wait" is set to "true" be aware that the internet browser and the IIS session itself both have an IDLE timeout. Only use wait="true" if the script is executed within seconds.

Examples:

1. Executing a batch file

```
<execute
   title="My CMD Script"
   command="C:\windows\system32\cmd.exe"
   arguments="/C C:\SilverMonkey\Scripts\MyFirstscript.cmd {ID}"
   wait="false"
/>
```

Note: You can also execute scripts from a network path. Make sure that the IIS Application Pool is configured to use a specific service account (default is LOCALSYSTEM).

```
<execute
   title="My CMD Script"
   command="C:\windows\system32\cmd.exe"
   arguments="/C \\networkpath\share\scripts\myscript.cmd {ID}"
   wait="false"
/>
```

2. Executing a powershell PS1 script

```
<execute
   title="My PS1 Script"
   command="C:\Windows\system32\WindowsPowerShell\v1.0\powershell.exe"
   arguments="C:\SilverMonkey\Scripts\MyFirstscript.ps1 -PackagingJobId {ID} -
↪OtherParam &quot;{Var1}&quot;"
   wait="false"
/>
```

3. Executing a powershell PS1 script with dynamic output

```
<execute
   title="My PS1 Script"
   command="C:\Windows\system32\WindowsPowerShell\v1.0\powershell.exe"
```

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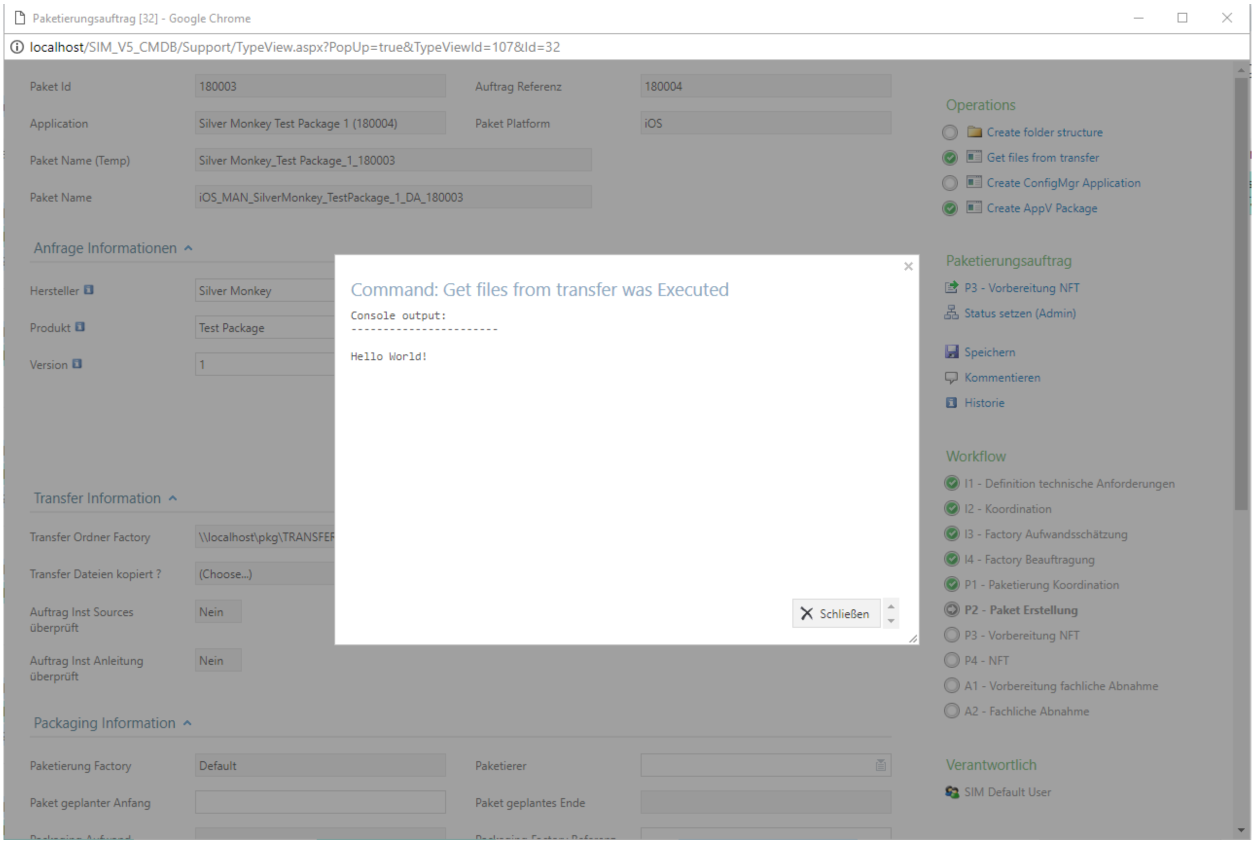
```
    arguments="{APPPATH}\Tools\TestScript.ps1 -PackagingJobId {ID} -OtherParam &quot;{Var1}&quot;"
    wait="true"
    exit_dynamic="true"

/>
```



Paket Id	180003	Auftrag Referenz	180004
Application	Silver Monkey Test Package 1 (180004)	Paket Platform	iOS
Paket Name (Temp)	Silver Monkey_Test Package_1_180003		
Paket Name	iOS_MAN_SilverMonkey_TestPackage_1_DA_180003		
Hersteller	Silver Monkey		
Produkt	Test Package		
Version	1		
Transfer Ordner Factory	\\localhost\pkg\TRANSFEF		
Transfer Dateien kopiert ?	(Choose...)		
Auftrag Inst Sources überprüft	Nein		
Auftrag Inst Anleitung überprüft	Nein		
Paketierung Factory	Default	Paketierer	
Paket geplanter Anfang		Paket geplantes Ende	

Command: Get files from transfer was Executed

```
Console output:
-----------------------

Hello World!
```

Checklist: My execute is not running my Power Shell script.

1. Did you set the executionpolicy on the system that is running the PS Script? (32/64 bit? use "get-executionpolicy -list" to display the present configuration)
2. Is the Identity that is defined in the IIS AppPool able to execute the specified script? (Check in the Identity property of the AppPool of your app)
3. Is the needed Power Shell version availible on your AppServer? (Run $PSVersionTable.PsVersion in PoweShell and check)
4. Did you get the PS Script from the online share? Check if the script and its dependency's are 'unblocked'.(They will get a flag when they are downloaded that prevents them from beeing executed)
5. Double Check your XML in the form xml
6. Try to use dynamic output (See above example 3.) to get error output displayed in frontend

Tip: Using quations within XML attributes: *&quot;{Var1}&quot;* (HTML notation).

ExecutePS

Warning: This function is deprecated because it only supports powershell up to version 2.0 and does not support cmdlets.

```
<executePS
   title="My PS1 Script"
   command="C:\SilverMonkey\Scripts\MyFirstscript.ps1"
   arguments="[-PackagingJobId {ID} -OtherParam &quot;{Var1}&quot;]"
   wait="false"
/>
```

Note: The "return" command gives back a value from the PowerShell script to the form. In the example, the value "PSVarialbe $ComputerSID" is given back to the field "ComputerSID" in the current class. `return "ComputerSID = "+"'"+$ComputerSID+"'"`

Attribute	Description
title="[string]"	Text in the head of the function.
command="[command line]"	Command line (solved against the corresponding data record.
arguments="[string]"	Arguments that call the command (solved against the corresponding data record). If arguments are supposed to be given to the PS script, put a hyphen before the value that you want to forward.
wait="[true|false]"	Waits for the execution to stop (in case of synchronous execution). Only if this value is set to "true" the system can send a report to the user.
validation="*"	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

CMDB2SCCM

Creates or edits one or more computer objects in Microsoft ConfigMgr and performs additional actions regarding the systems:

- Adding variables
- Creating direct memberships for ConfigMgr Collections

The underlying code can be used in two methods:

1. Via mass import button in lists
2. Via action button in forms

Note: This action button was orignally used to fully import systems (mass import). By defining the CMDB mass import configuration to accept single systems by parameter also single systems can be imported.

- See *Setting up Mass Import for ConfigMgr* for tutorial.
- See **CMDB-SCCM-transfer_**. for more information.

```
<CMDB2SCCM
    title="Title of button"
    param="String"
    restart="true"
 />
```

Available Attributes

Attribute	Description
title=”[resource]”	Title of the button
param=”[string]”	String to pass to the SQL scripts executed on runtime of the mass import.
restart=”[truelfalse]”	If set to false, the button will be invisible when executed once.
validation=”*”	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

Example:

- Executing a batch file

```
<CMDB2SCCM
  title="Transfer Computer to SCCM"
  param="SingleTransfer"
  restart="true"
/>
```

CopyFiles

Opens a dialogue in which new directory structures can be set for the packaging workflow. (Copy is carried out in context of the background SCCM account.)

```
<views>
<view>
<controls>
<copyFiles
  restart="true"
  site="Packaging site name"
  indexFilter="true"
  indexFilterPreselected="false"
  title="Title"
  validation="*"
/>
```

CreatePackage

Opens a dialogue in which you can compile the SCCM package for the packaging workflow.

```
<views>
<view>
<controls>
<createPackage
  restart="true|false"
```

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```
  site="Packaging site name"
  sendToDP="true|false"
/>
```

Attribute	Description
restart="[true/false]"	Enables repetition of the proces after the package has been created (e.g. in order to recreate the package after manual deletion).
site="[Packaging site Name]"	Defines on which packaging site the operation is to be carried out. If this attribute is not set, a parameter type "Packetierungssite" has to contain the information needed.
sendToDP="[truelfalse]"	Enables transmission to Distribution Points ("DP").
validation="*"	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

CreateCollection

Opens a dialogue to create a new collection for the packaging workflow.

```
<views>
<view>
<controls>
<createCollection
  title="Ressource"
  folder="OrderId"
  parentCollection="CollectionId"
  name="Namensregel"
  collectionType="Typ"
  limitToCollectionId="CollectionId"
  query="Regelabfrage"
/>
```

Attribute	Description
title="[string]"	Text of the header of the function.
folder="[string / integer]"	Optional declaration of hte folder in which the collection is supposed to be compiled (from SCCM 2012). Note the ID of the folder - its name will not be deleted. A whole folder tree can optionally be set here. In this case, enter the ID of the folder an all folder names that should be set and connect them with a tilde. Example: 16777222~{Manufacturer}~{Product}~Install
parentCollection="[string / interger]"	Optionally declare the collection in which the new collection is supposed to be saved (SCCM 2007).
name="[string]"	Set a naming convention or the new collection.
collectionType="[integer]"	Collection-type key (1: user, 2: computer).
limitToCollectionId="[string]"	Limited collection for SCCM 2012.
query="[string]"	Query for dynamic collections.
validation="*"	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

CreateApplication

Opens a dialogue in which you can set up the SCCM Application for the packaging workflow.

```xml
<views>
<view>
<controls>
<createApplication
  restart="true|false"
  title="Resource"
  titleRestart="Resource"
  site="Packaging site name"
  configuration="Name"
/>
```

Attribute	Description
restart=”[truelfalse]”	Enables repetition of the proces after the package has been created (e.g. in order to recreate the package after manual deletion.
title=”[string]”	Name of the resource of the action button for initial creation of the application. (The corresponding text resource has to be defined in *Ressources.xml*.)
titleRestart=”[string]”	Name of the resource of the action button for recreation of the application.
site=”[string]”	Defines the packaging site where the operation has to be carried out. If this attribute is not set, the packaging job has to contain a parameter type “packaging site” in order to recieve the needed information.
configuration=”[string]”	Name of the configuration for the application from the site settings.
validation=”*”	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

Comment

Shows the possibility to enter a comment. All comments will be historicized.

```
<views>
<view>
<controls>
<comment="This comment and will be historicized." />
```

Save

In order to display a save-button, enter the following XML code:

```xml
<views>
<view>
<controls>
<save
```

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```
  delete="true|false"
/>
```

Attribute	Description
delete=”[truelfalse]”	Add a delete-button.
validation=”*”	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

SendMail

Use the following XML statements in order to show a function to send preformatted Emails.

```
<views>
<view>
<controls>
<sendMail
  title="Welcome to SIM"
  from="support@silvermonkey.net"
  to="exampleclient@example.com"
  subject="Text"
  body="Lorem ipsum dolor."
  mailGroup="AllClients"
/>
```

Attribute	Description
title=”[string]”	Optionally declare a title to the button.
from=”[mail address]”	Sender’s mail address.
to=”[mail address]”	Recipient’s mail address(es).
subject=”[string]”	Subject of the email.
body=”[string]”	Body of the email.
mailGroup=”[string]”	Instead of adding the attributes “to”, “subject” and “body” you can refer to a predefined group. This simplifies simultaneously sending multiple mails.
validation=”*”	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

ImportXML

CreateActiveDirectory

Creates an active directory object. The active directory will be authenticated with the Windows login data for your *treon* database. This is also the case if database authentication is set to “SQL”.

```
<views>
<view>
<controls>
<createActiveDirectory
  title="Active D"
  parentLDAP="Ldap path"
```

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```
  class="SchemaClassName"
  name="naming convention"
  attribute="value"
/>
```

Note: You will have to outcode special characters when declaring the parentLDAP. This means a backslash will have to be put in front of commas, backslashes, the rhombus sign, the plus sign, angle brackets, semicolons, quotation marks and the equal sign.

Attribute	Description
title="[string]"	Title of the action button.
parentLDAP="[LDAP path]"	LDAP path of the container in which the object is supposed to be created.
class="[string]"	Schema class of the object that is created.
name="[string]"	Naming convention for the new object.
attribute="[value]"	All further attributes are interpreted as object attributes and connected to the first object.
validation="*"	Validation rule. If the validation rule is activated, you have to execute this Operation in order to proceed to the next workflow step.

List Definition

You can create custom lists and customize them to fit your needs. The following subchapters describe the options you have when you are creating or customizing a list.

Properties

Property	Description
Design	Choose initially between list and form.
Name - de / Name - en	The displayed name of the list
Sort order	Choose where to display the chosen list in the dropdown menu.
Roles	Choose wich roles can see the list.
Definition	The definition of the list.

Example List:

```
<view splitterWidth="550"
         detailView="Paketdetails PackWF"
         newLink=""
         viewPane="false"
         refresh="true"
         excelExport="true"
         importExport="false"
         popUp="1100,800">

<columns>
     <column field="ClientCode"  width="70" />
     <column field="RequestID"  width="70" />
```

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```
     <column field="RequestReference"  width="70" />
     <column field="SysStatus"  width="180" />
     <column field="RequestManufacturerName"  width="200" />
     <column field="RequestProductName"  width="200" />
     <column field="RequestProductVersion"  width="100" />
     <column field="PackagingPackageName"  width="-1" />
     <column field="PackageSWGroups"  width="200" />
</columns>

<data>
     <condition> ({search}='' OR PackageProductName like {search} OR␣
↪ClientCode like {search} OR RequestReference like {search} OR RequestID␣
↪like {search}) </condition>
</data>
</view>
```

<view> Definition

Parameters

View Options	Description
splitterWidth	Width of the splitter shown in list form. (in pixels)
detailView- de / Name - en	Specifies the form name that is to be used for the detailed representation of a list form.
newLink	Construction of new objects in a list. The “detailed view“ is used as detail form.
viewPane	If this value is set to “false“, the selection is displayed as a drop-down list.
refresh	Displays the update function in the list view.
excelExport	Displays the excel export function in the list view.
importExport	Displays the import/export function in the list view.
popUp	By specifying a pop-up window size in the format “width, height“ (in px), a list view opens choosen entries in a new window e.g .: “800,600“

<columns> Definition

Columns represent Attributes and are used to display their values in a list. You can see the syntax in the following code-block.

Column Options	Description
Column field	The fieldname of the attribute to be displayed.
width	Width of the column in px.

<data> Definition

In the <data> section you can define the initial search condition for the displayed list objects. You can also define in which attributes to search.

The highlighted part in the following code block causes the website to display just the entries that posses a value like ‘john doe’ in the attributes IssueEditor, Requestor or qualityinspector.

```
<condition>
   ({search}='' OR IssueID like {search} OR Title like {search})
AND
   (IssueEditor like '%John Doe%' OR Requestor like '%John Doe%' OR␣
↪qualityinspector like '%John Doe%')
</condition>
```

The next highlighted part in the code block defines that the list search associated with that list will search in the attributes IssueID or Title.

```
<condition>
   ({search}='' OR IssueID like {search} OR Title like {search})
AND
   (IssueEditor like '%John Doe%' OR Requestor like '%John Doe%' OR␣
↪qualityinspector like '%John Doe%')
</condition>
```

You can define very specific filters and conditions with TSQL in lists.

Attributes

Different Types of Attributes

You can create different types of attributes to customize the form to your needs. These attributes have different settings and functions which are described in the two tables below.

Attribute Type	Description	Additional Options
String	Field that holds a text.	Default Value, Input mask
Date	Field that holds a date.	Default Value, Number Format
Integer	Field that holds an integer.	Default Value, Number Format
Big integer	Field that holds a big integer.	Default Value, Number Format
Float	Field that holds a float.	Default Value, Number Format
Multilanguage Text	– Deprecated –	– Deprecated –
Checkbox	Field that displays a checkbox, can have the Status ‘checked’ or ‘unchecked’.	Default value, Input mask
Data list	Field that holds a fixed list of entrys that can be defined in the GUI, the entrys are seperated with a semicolon (‘firstentry;secondentry’).	Items, Default Value, Fill stage
Config. list	– Deprecated –	– Deprecated –
SQL list	– Deprecated –	– Deprecated –
File	Contains files that are stored in the SQL Database.	Default value, Input mask
Object reference	Field that references to another table and displays the entrys defined in it.	Object reference, Filter, Default value
Active Directory User	Field that prevents users from being registered in the Active Directory Cache (the cashe is located in the SIM DB).	LDAP path, Default value
Active Directory Group	Field that prevents groups from being registered in the Active Directory Cashe (the cashe is located in the SIM DB).	LDAP path, Default
Packaging package name	– Deprecated –	– Deprecated –
Packaging operation system	– Deprecated –	– Deprecated –
Packaging site	– Deprecated –	– Deprecated –

Extended Attribute Functions/Options

Function	Description
Name - de / Name - en	The Displayname of the attribute.
Field name	This is the actual column name in the SIM SQL DB.
Database Type	Describes the attributes type.
LDAP path	LADP path for the AD Users/Groups.
Auto Postback	– Feature not used –
Suggestion	Autocomplete. If suggestions are enabled, recent entrys will be suggested.
Default value	Defines a default value that will be set automatically.
Logical Key	– Feature not used –
Input mask	Specifies the required format of the entry. Example: **-**-**-**-**-** (for MAC-Adresses) '*' is a placeholder. A valid entry would be 11-11-11-11-11-11.
Number format	Defines the required format of every entry. Example: „#,##0.0" „DD.MM.YYYY"
Items	Items of a data list seperated by semicolons. Example: Yes;No;(choose)
Fill stage	– Feature not used –
Object reference	Used for Object reference attributes. Choose the table you want to refer to.
Filter	Used for object reference attributes. Filter the entrys in the table you are referring to.
LDAP path	LADP path for the AD Users/Groups.

1.3.2 Manual for Module "CMDB"

Warning: This article is under construction! Please DO NOT refer to any of the instructions below, yet! You may cause damage to your system! This article will be finished soon.

In this article:

SCCM Transfer

The SCCM transfer module is basically a collection of SQL queries which are executed and delivered to SCCM. This way, customers can fully change the behaviour to their needs. In general SCCM transfer can be configured in two different modes:

1. Single computer transfer (used by form action button)
2. Multiple computer transfer (used by list action button)

You will find the configuration for SCCM trensfer in "Settings->CMDB".

Function	Description
Description (de/en)	Info text displayed in the pop-up.
List query	Query which builds up the dropdown list in the pop-up.
Computer query	Selects mandatory data for computer import. It is important to stick to the correct order of the selected attributes: 1. = Unique ID of computer element in SIM database 2. = Target computer name 3. = MAC Address 4. = SMBIOS GUID (if available the computer will be created with SMBIOSGUID rather that MAC Address) Available variables: • “{0}” = Selected (computer) item database IDs in the popup. • “{roles}” = Roles the user is currently in. • “{user}” = Username of the user currently logged in (DOMAINUsername). • “{id}” = ID of the CMDB item. **Note**: Only available when opened via action button. • “{param}” = Additional parameters defined in the view. Note: Only available when opened via action button.
Variable query	Variables added to the created SCCM computer object. It is important to stick to the correct order of the selected attributes: 1. = Name of the computervariable 2. = Value of the computervariable 3. = Locale of the computervariable (if unknown please use ‘1031’) Available variables: • “{0}” = SIM DB ID of the transferred computer object. • “{param}” = Parameter string given by the corresponding action button parameter. Special variable prefixes: • “ConfigMgrColl” = If the variable has this prefix, a direct membership will be created for the collection **name**. • “ConfigMgrPrimaryUser” = If the variable has this prefix, a primary user relationship will be created (`DOMAIN\Username` notation).
Software query	Variable SCCM **package** list created at runtime and added as variables to the computer object.
Application query	Variable SCCM **application** list created at runtime and added as variables to the computer object.
Computer update	SQL script which is executed for every transfered computer with import result. Available variables: • “{0}” = SIM DB ID of the transfered computer object. • “{1}” = Message of the result. If successful the message is empty.
Site	Target SCCM site object (Settings->Sites).
Configuration	Computer configuration (variables, collections) which is the base for the creation of a new computer object.

Single Computer Transfer Example

Exchange the following XML with the corresponding elements in your configuration.xml:

```
<cmdb2sccm_compConfiguration>MassImportDummy</cmdb2sccm_compConfiguration>
<cmdb2sccm_compFilterName lang="de">Bitte wählen Sie eine Rollout Einheit zum␣
↪Transfer nach SCCM</cmdb2sccm_compFilterName>
<cmdb2sccm_compFilterName lang="en">Please select rollout unit für transfer to sccm</
↪cmdb2sccm_compFilterName>
<cmdb2sccm_compFilterList>SELECT 0 as Id, 'Single Computer Import' as SysDisplayName</
↪cmdb2sccm_compFilterList>
<cmdb2sccm_compQuery>SELECT Id, SysDisplayName, MACAddress FROM Computers Where Id =
↪{id}</cmdb2sccm_compQuery>
<cmdb2sccm_softQuery>Declare @ComputerId as bigint
set @ComputerId =  {0}

select distinct t.PkgId from (

select PackagingLanguages.SCCMLanguagePackPackageId as PkgId

FROM Computers
JOIN PackagingLanguages ON PackagingLanguages.Id = Computers.Language

WHERE Computers.Id = @ComputerId

) as t

where isnull(t.PkgId,'') &lt;&gt; ''</cmdb2sccm_softQuery>
    <cmdb2sccm_appQuery>Declare @ComputerId as bigint
set @ComputerId =  {0}

select distinct t.AppTitle from (

select PackagingLanguages.SCCMAdditionalApplication as AppTitle

FROM Computers
JOIN PackagingLanguages ON PackagingLanguages.Id = Computers.Language

WHERE Computers.Id = @ComputerId

) as t

where isnull(t.AppTitle,'') &lt;&gt; ''</cmdb2sccm_appQuery>
<cmdb2sccm_varQuery>Declare @ComputerId as bigint
set @ComputerId =  {0}

select
'Language' as name
,PackagingLanguages.CodeISO6391 as value
,'1031' as locale

FROM Computers
JOIN PackagingLanguages ON PackagingLanguages.Id = Computers.Language

WHERE Computers.Id = @ComputerId

UNION ALL

select
'ConfigMgrPrimaryUser01' as Name
,'SCCM12\TestUser1' as value
```

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```
,'1031' as locale

UNION ALL

select
'ConfigMgrColl01' as Name
,'AdditionalOSDCollection' as value
,'1031' as locale</cmdb2sccm_varQuery>
<cmdb2sccm_compUpdate>select 0</cmdb2sccm_compUpdate>
```

Warning: After import, make sure you have "Site" and "Configuration" configured correctly in Settings -> CMDB.

Multiple Computer Transfer Example

Content will be published soon.

1.3.3 Tutorials for Module "CMDB"

In this article:

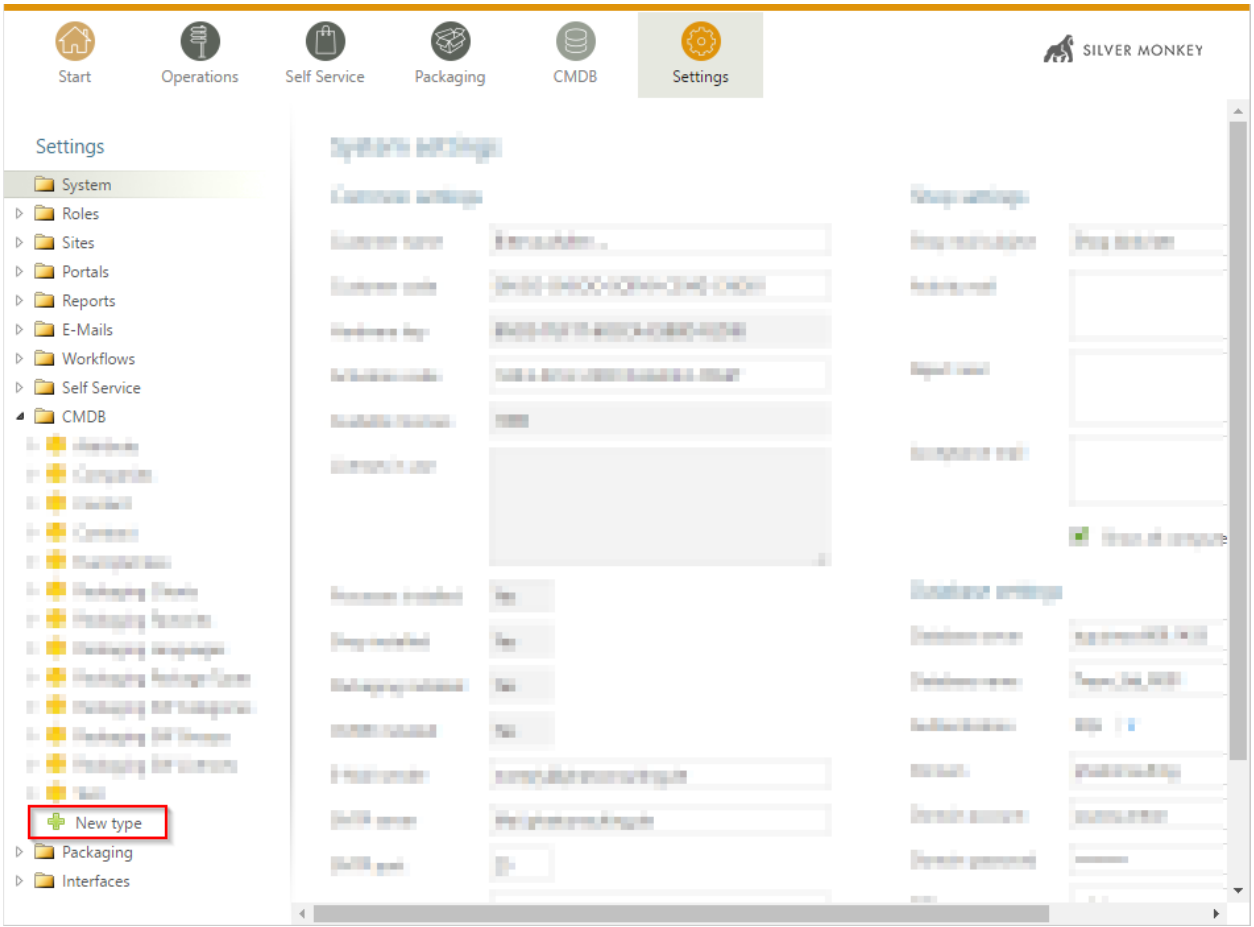
- *Creating Your First CMDB Class*
- *Setting up Mass Import for ConfigMgr*

Creating Your First CMDB Class

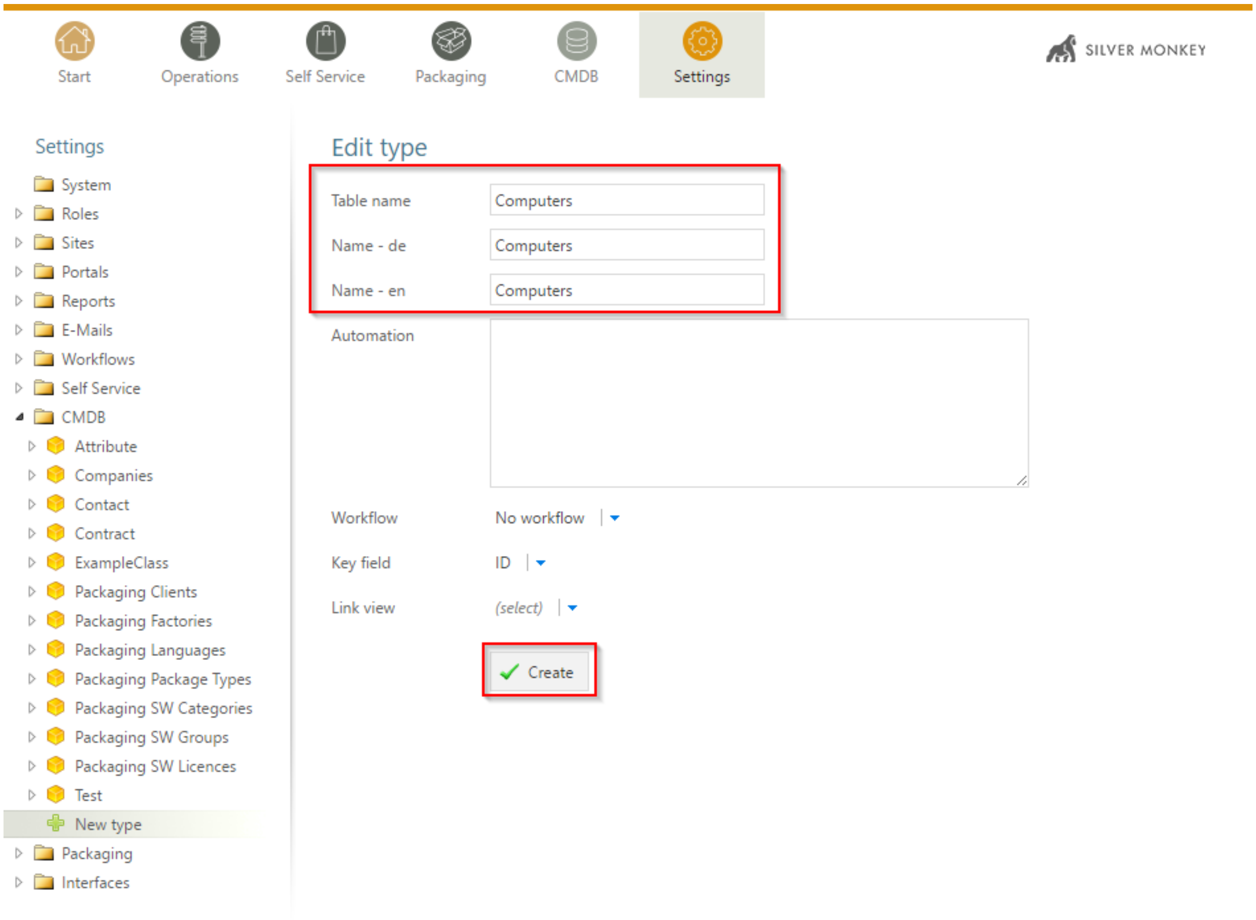
For full reference see *CMDB2SCCM*.

Note: You have to be able to "Edit Settings".

1. Go to the tab "Settings"
2. Navigate to CMDB and click on the plus button at the bottom



3. Create a new CMDB class called “Computers”:



Edit type

Table name: Computers

Name - de: Computers

Name - en: Computers

Automation:

Workflow: No workflow

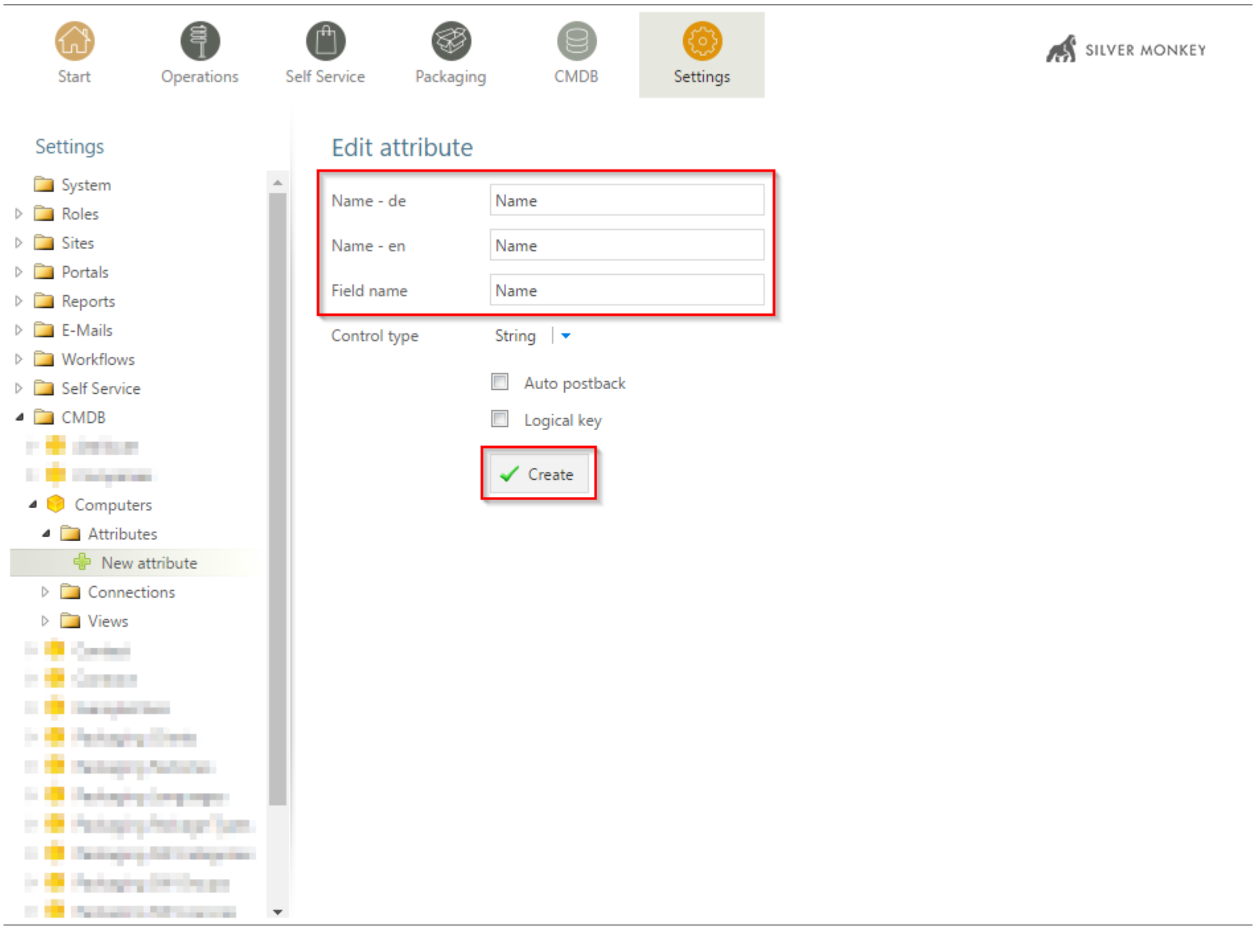
Key field: ID

Link view: (select)

3.1. Field `Automation` is used for automatic triggering of MSSQL Scripts (e.g. Stored Procedures) or external processes (e.g Powershell Scripts). See example:

```
<trigger>
   <afterUpdate field="" value=""
      command=" exec sp_MyStoredProcedure @Id='{Id}' "
   />
   <afterUpdate field="" value=""
      title="createTicketAuto"
      script="C:\Windows\system32\WindowsPowerShell\v1.0\powershell.exe"
      arguments="C:\SilverMonkey\v5\Scripts\MyTriggerScript.ps1 -Id {Id}"
      condition="{SysStatus} = A0.1 - Request"
      restart="false"
      back="true"
   />
</trigger>
```

4. Create your first attributes and name them “Name” and “MACAddress”:



Edit attribute

Name - de: Name

Name - en: Name

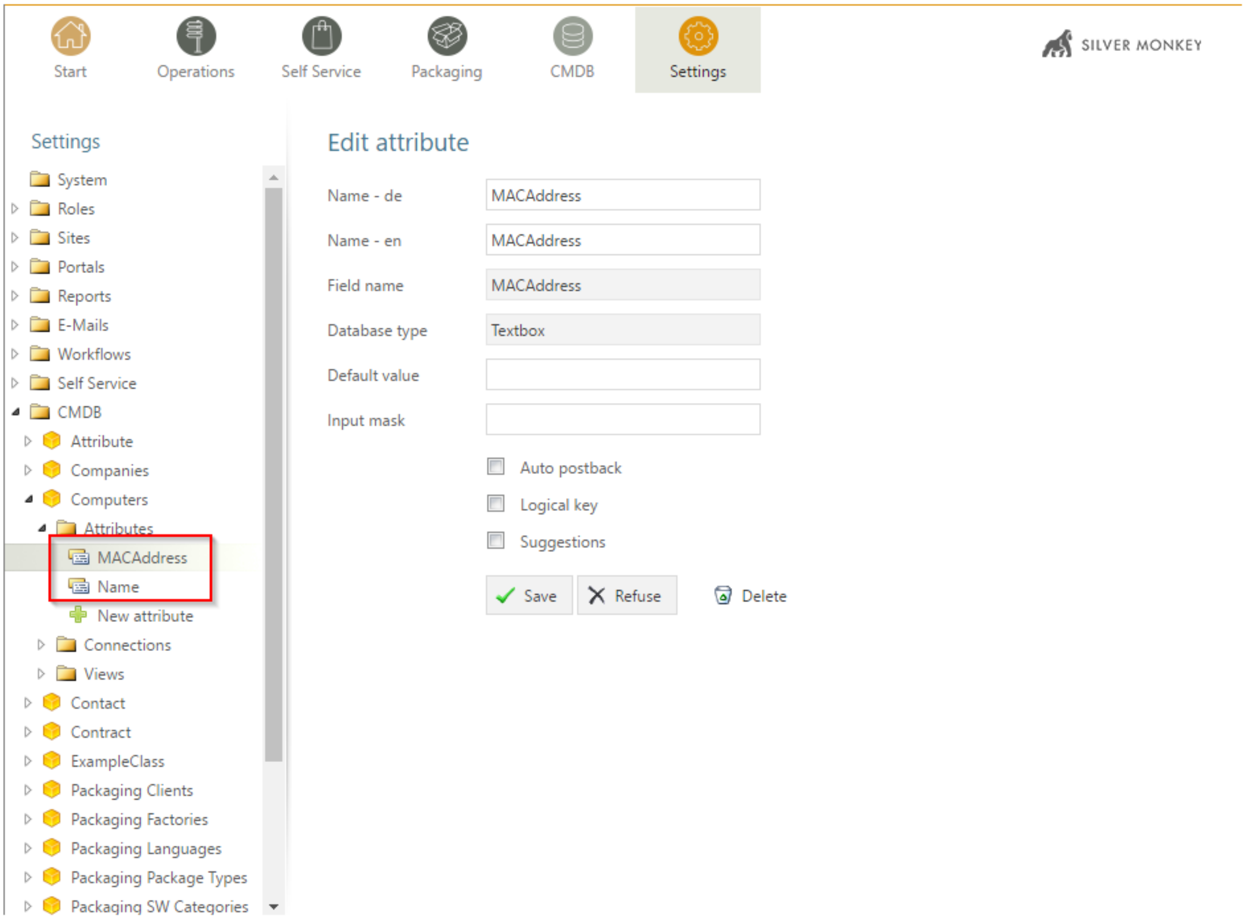
Field name: Name

Control type: String

□ Auto postback

□ Logical key

✓ Create



Edit attribute

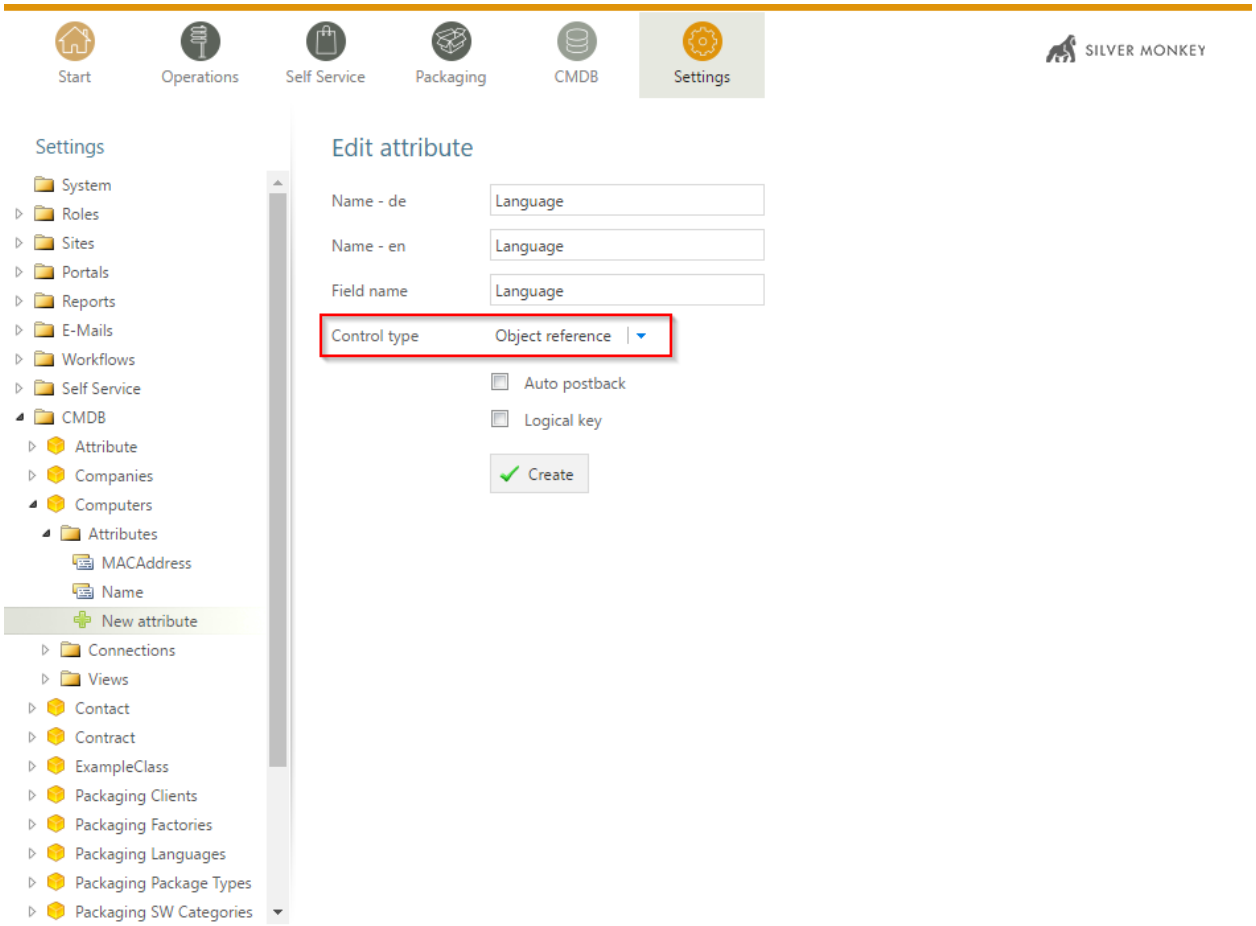
Name - de	MACAddress
Name - en	MACAddress
Field name	MACAddress
Database type	Textbox
Default value	
Input mask	

□ Auto postback

□ Logical key

□ Suggestions

5. Create an attribute of the type "Object reference" and set the reference to another custom CMDB Class "Packaging Languages" (It will be good practice for the subsequent tutorial):

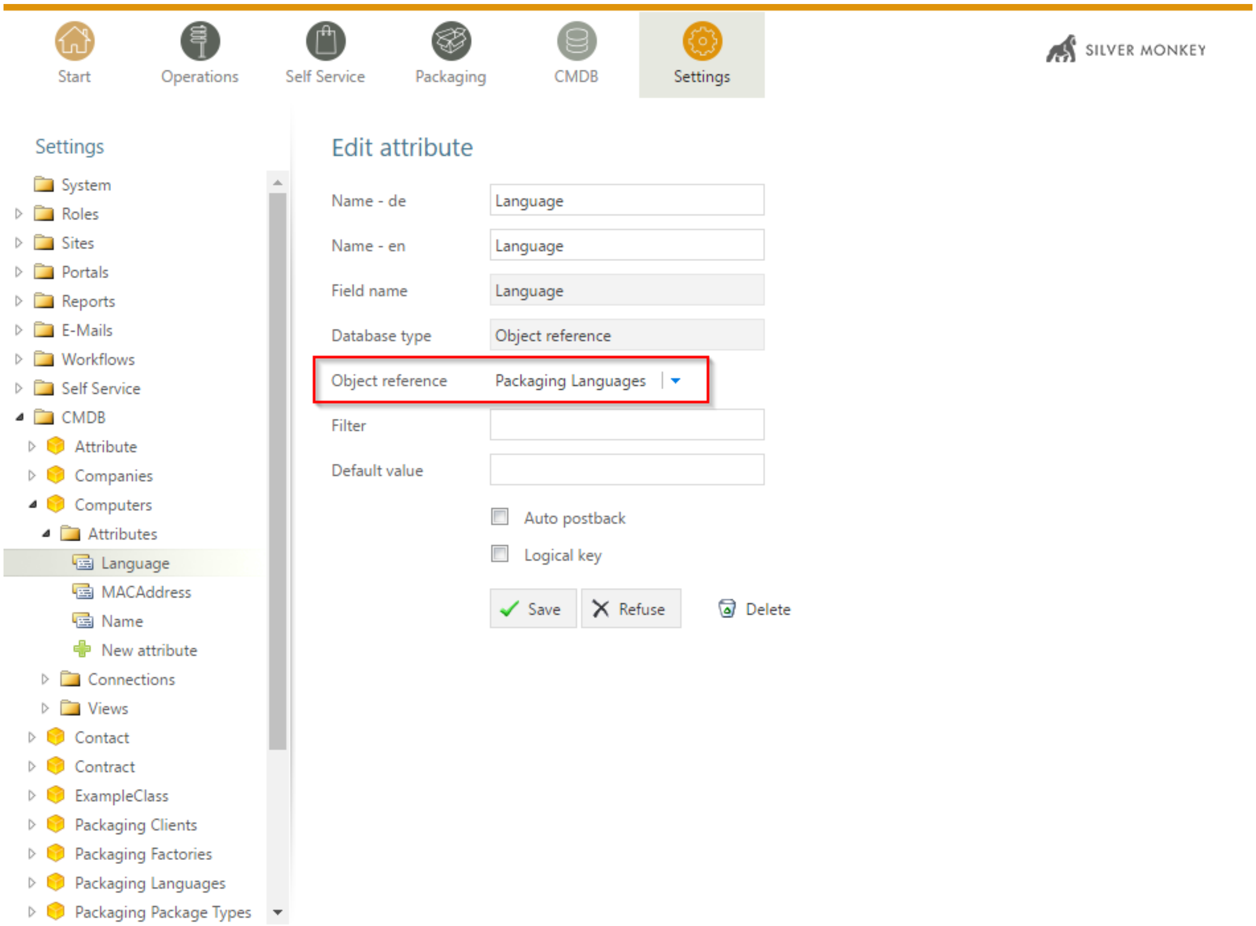


Edit attribute

Name - de	Language
Name - en	Language
Field name	Language
Control type	Object reference

□ Auto postback

□ Logical key



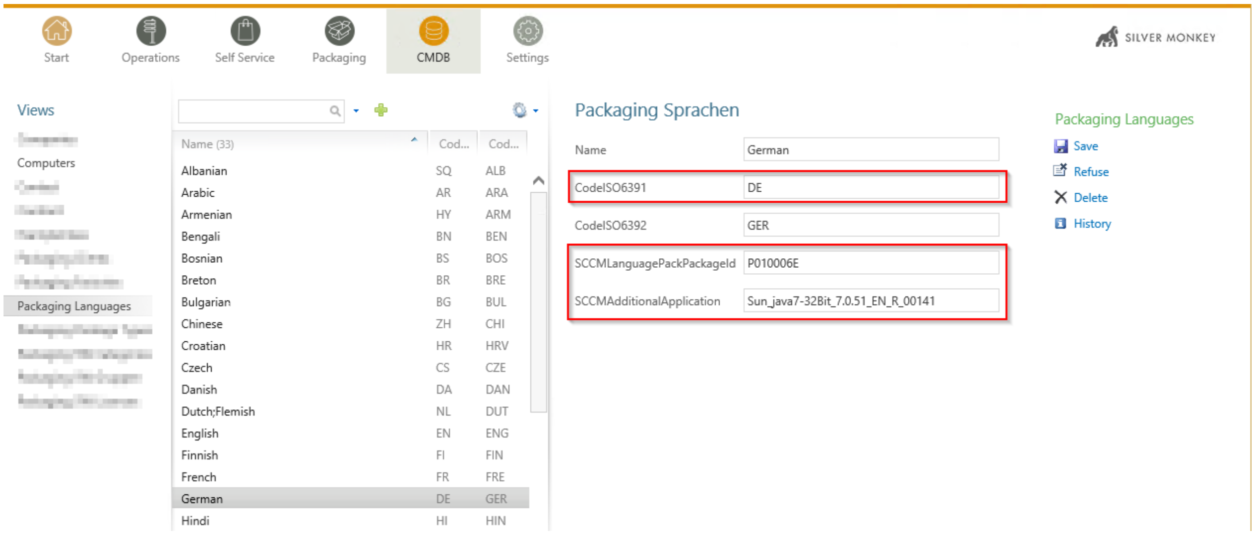
Edit attribute

Name - de	Language
Name - en	Language
Field name	Language
Database type	Object reference
Object reference	Packaging Languages
Filter	
Default value	

☐ Auto postback

☐ Logical key

The Language class is set up as follows:



Name (33)	Cod...	Cod...
Albanian	SQ	ALB
Arabic	AR	ARA
Armenian	HY	ARM
Bengali	BN	BEN
Bosnian	BS	BOS
Breton	BR	BRE
Bulgarian	BG	BUL
Chinese	ZH	CHI
Croatian	HR	HRV
Czech	CS	CZE
Danish	DA	DAN
Dutch;Flemish	NL	DUT
English	EN	ENG
Finnish	FI	FIN
French	FR	FRE
German	DE	GER
Hindi	HI	HIN

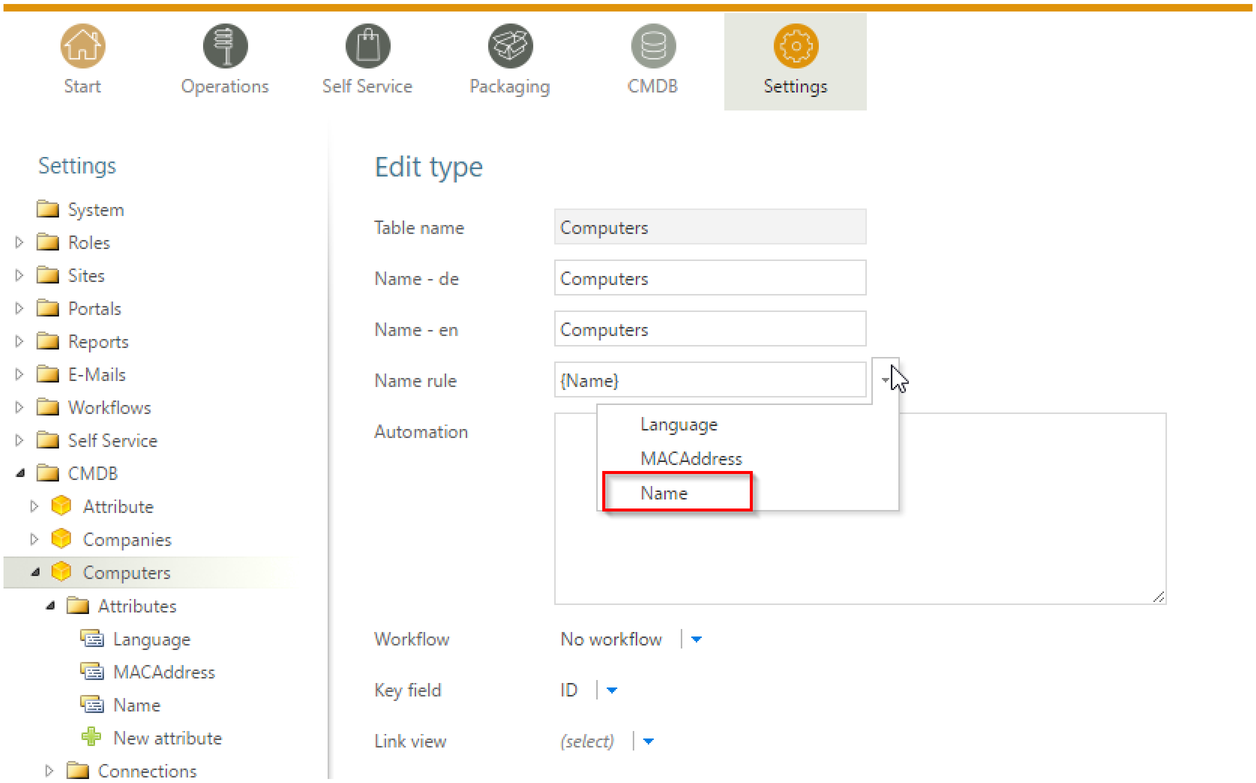
Packaging Sprachen

Packaging Languages

Name	German
CodeISO6391	DE
CodeISO6392	GER
SCCMLanguagePackPackageId	P010006E
SCCMAdditionalApplication	Sun_java7-32Bit_7.0.51_EN_R_00141

6. Set up naming rule

The setting `name rule` defines how the internal database column `SysDisplayName` is set. It contains important single column popups like the object reference chooser.

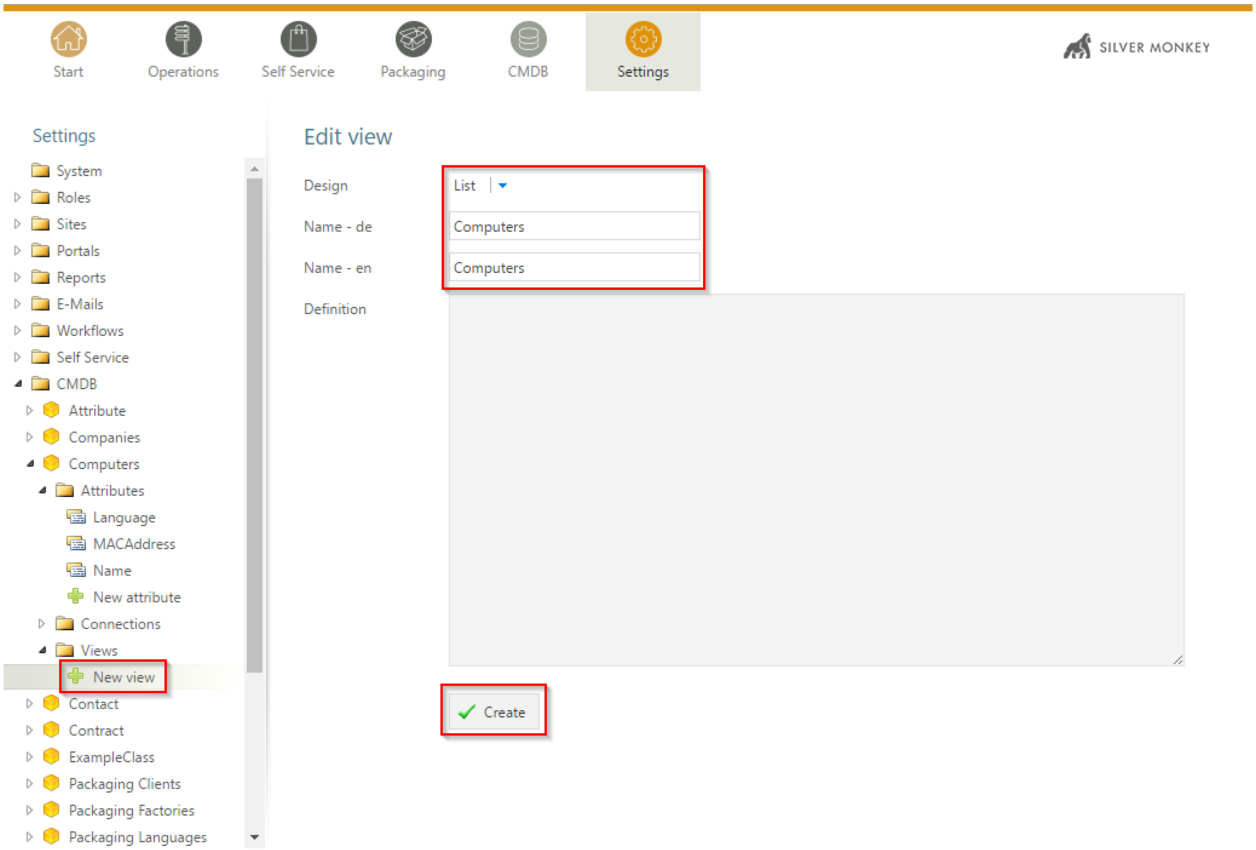


Edit type

Table name	Computers
Name - de	Computers
Name - en	Computers
Name rule	{Name}
Automation	
Workflow	No workflow
Key field	ID
Link view	*(select)*

7. Create a list view

Note: There are two different types of views. One is called “List” and the other one is called “Forms”. Lists display multiple elements of a CMDB Class. When clicking on an item, the configured form will be opened to view or edit the item.



Edit view

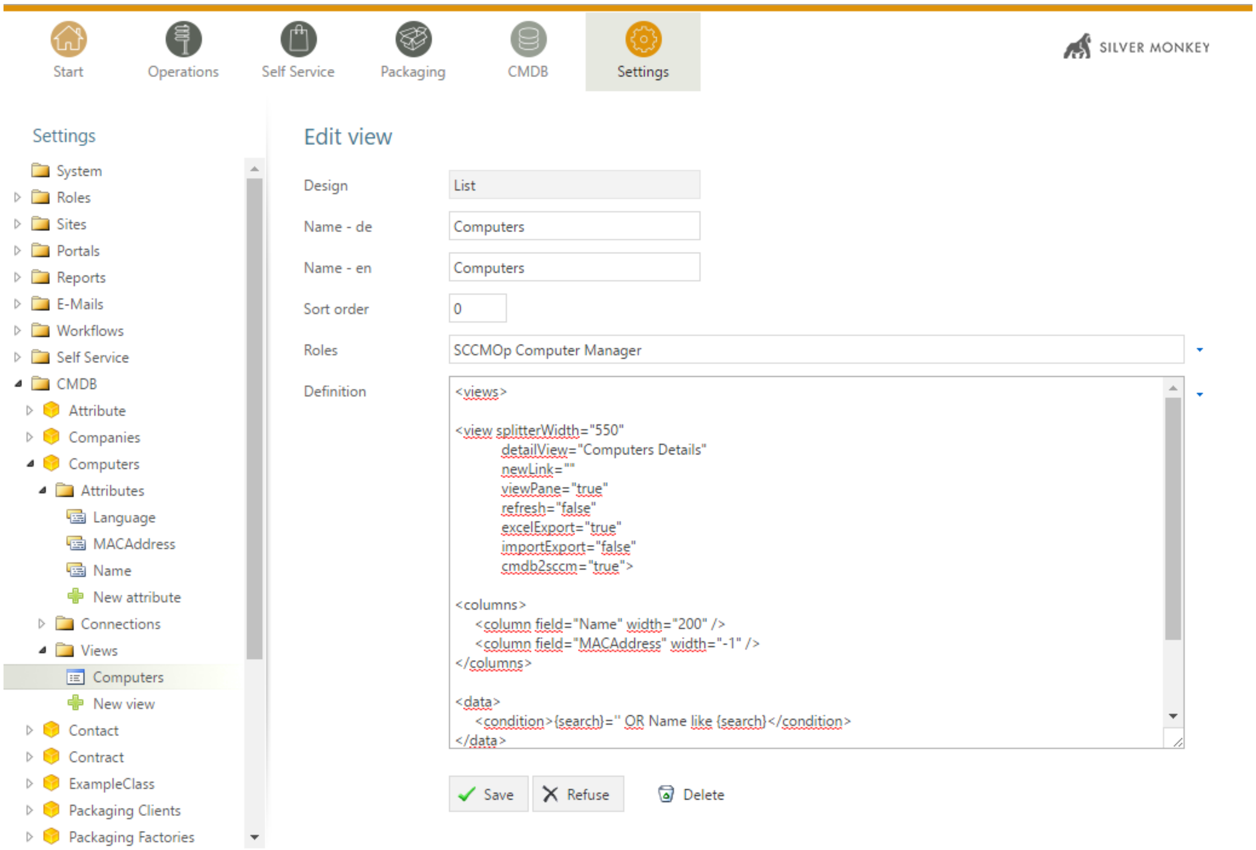
Design: List

Name - de: Computers

Name - en: Computers

Definition

Configure the list as shown:



Edit view

Design: List

Name - de: Computers

Name - en: Computers

Sort order: 0

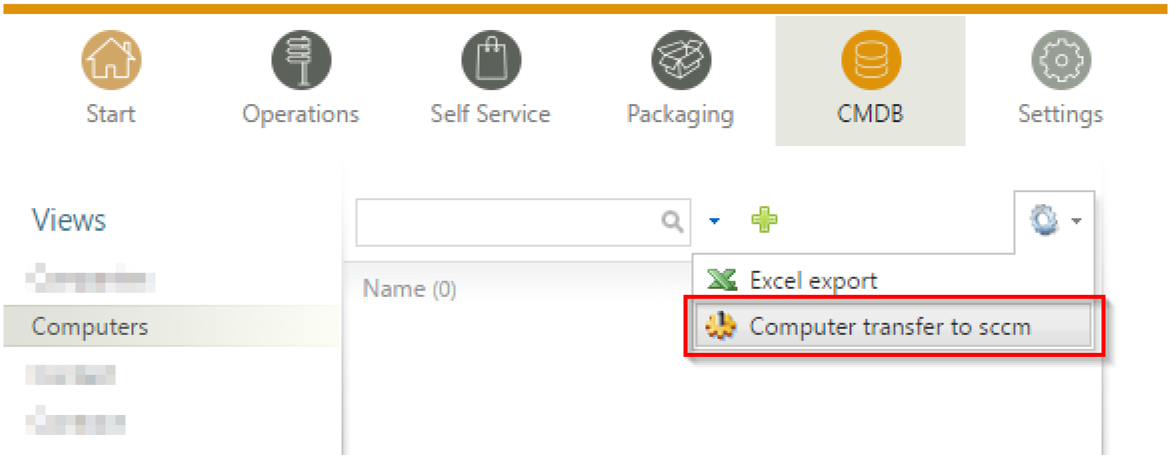
Roles: SCCMOp Computer Manager

Definition:

```
<views>

<view splitterWidth="550"
        detailView="Computers Details"
        newLink=""
        viewPane="true"
        refresh="false"
        excelExport="true"
        importExport="false"
        cmdb2sccm="true">

<columns>
    <column field="Name" width="200" />
    <column field="MACAddress" width="-1" />
</columns>

<data>
    <condition>{search}='' OR Name like {search}</condition>
</data>
```

Note:

- The setting `detailView="Computers Details"` will expect a form view with the name "Computers Details"
- The setting `cmdb2sccm="true"` displays a transfer button in the list context menu



- For full reference see *<view> Definition*

```
<?xml version="1.0"?>
<views>
```

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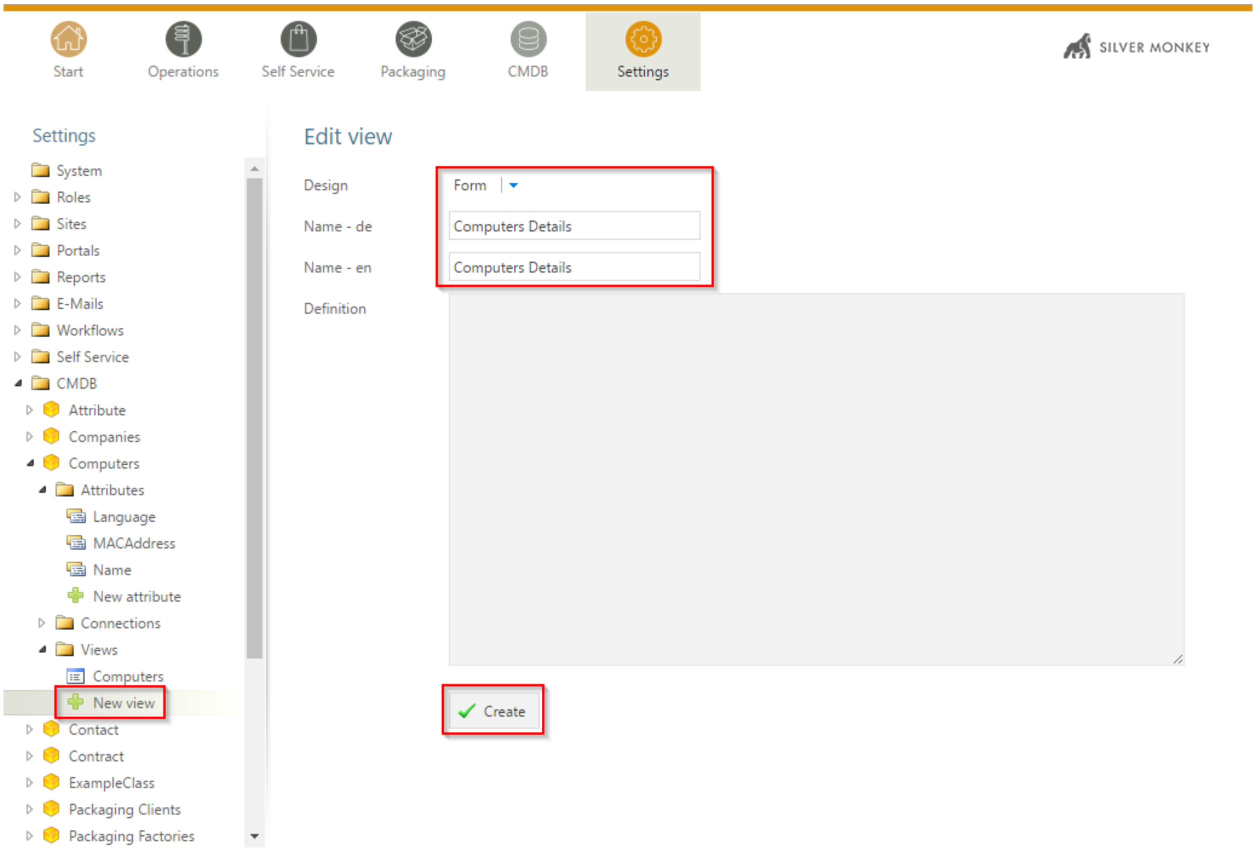
```
  <view
  splitterWidth="550"
  detailView="Computers Details"
  newLink=""
  viewPane="true"
  refresh="false"
  excelExport="true"
  importExport="false"
  cmdb2sccm="true">
    <columns>
      <column field="Name" width="200"/>
      <column field="MACAddress" width="-1"/>
    </columns>
    <data>
      <condition>{search}='' OR Name like {search}</condition>
    </data>
  </view>
</views>
```

8. Create a form view

Create a new form view as shown below (you have to stick to the configured name from the list view `detailView="Computers Details"`):



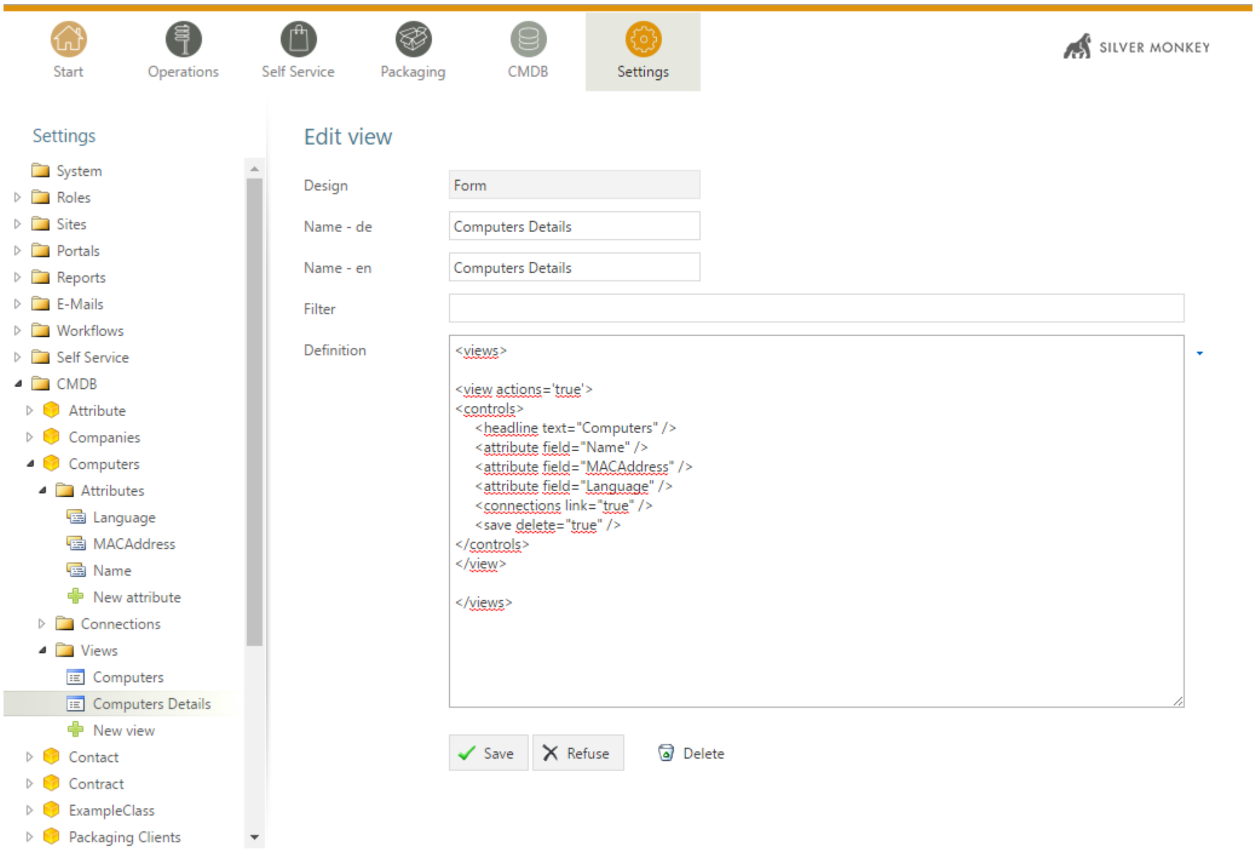
Design: Form

Name - de: Computers Details

Name - en: Computers Details

Definition

A set of attributes and form elements are automatically suggested. You can delete the `<connections link="true" />` line as no connections are configured in this example.



Edit view

Design: Form

Name - de: Computers Details

Name - en: Computers Details

Filter:

Definition:

```
<views>

<view actions='true'>
<controls>
   <headline text="Computers" />
   <attribute field="Name" />
   <attribute field="MACAddress" />
   <attribute field="Language" />
   <connections link="true" />
   <save delete="true" />
</controls>
</view>

</views>
```

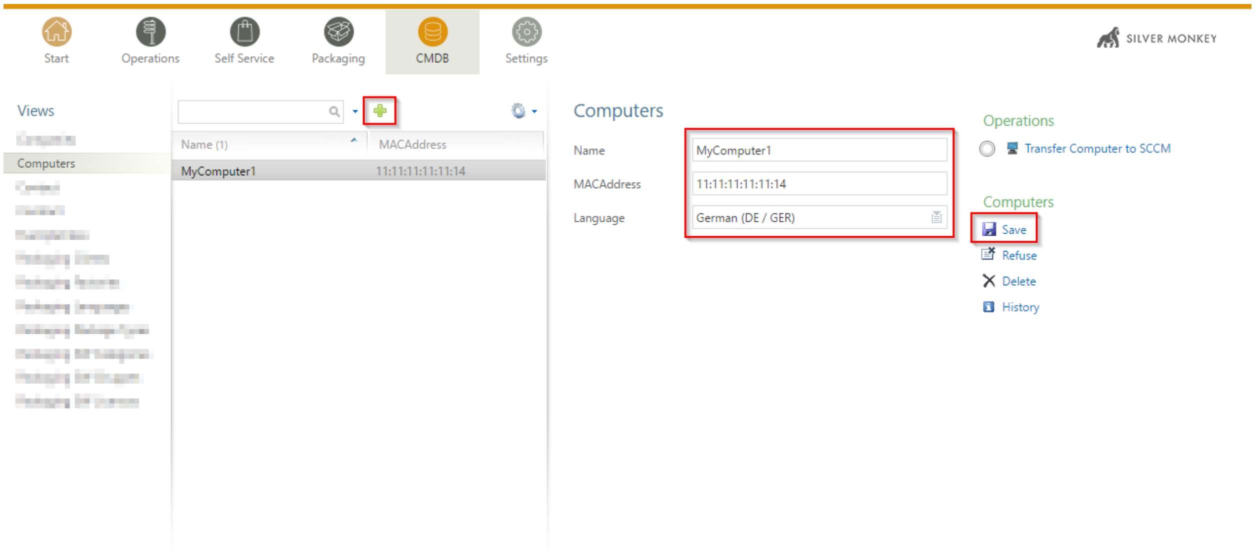
Add an action called “CMDB2SCCM” to the form. The final result of the form looks like this:

```
<views>

<view actions='true'>
<controls>
<CMDB2SCCM
    title="Transfer Computer to SCCM"
    param="SingleTransfer"
    restart="true"
  />
     <headline text="Computers" />
     <attribute field="Name" />
     <attribute field="MACAddress" />
     <attribute field="Language" />
     <save delete="true" />
</controls>
</view>

</views>
```

When you go to CMDB you can have a look at the result of our list and form:



Computers

Name: MyComputer1

MACAddress: 11:11:11:11:11:14

Language: German (DE / GER)

You can add more attributes to the class and use those attributes in lists and forms as you need.

Setting up Mass Import for ConfigMgr

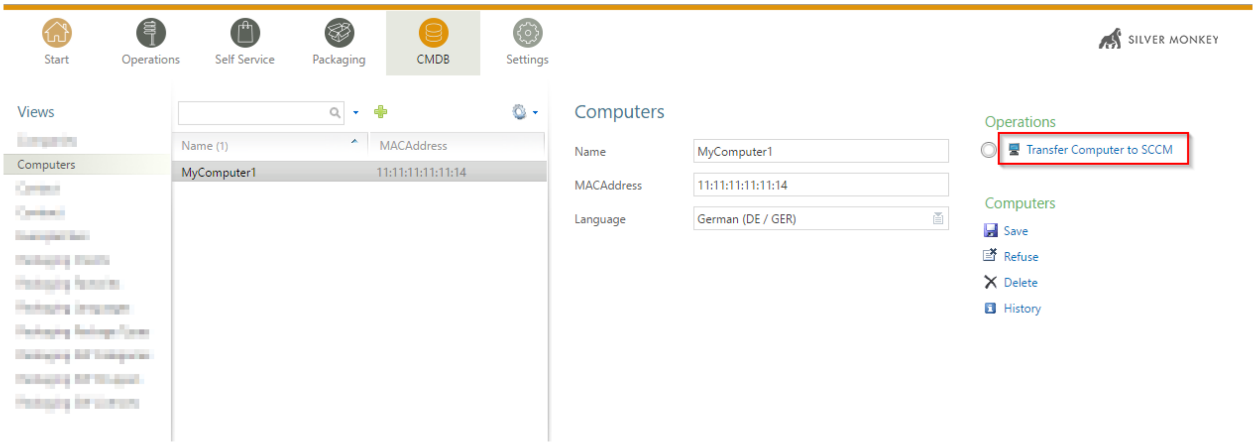
For full reference see *CMDB2SCCM*.

Note: This tutorial is built up on the database schema of the tutorial *Creating Your First CMDB Class*.

You have to get the following information to built up an import for SCCM:

- SCCM collection **names** the computer has to be member of
- Needed computer variable names and accepted values
- Knowledge of the SIM database schema

1. Follow the manuall " *Creating Your First CMDB Class* "
2. Follow the " *SCCM Transfer* "
3. Create a dummy computer and click on "Transfer computer to SCCM"



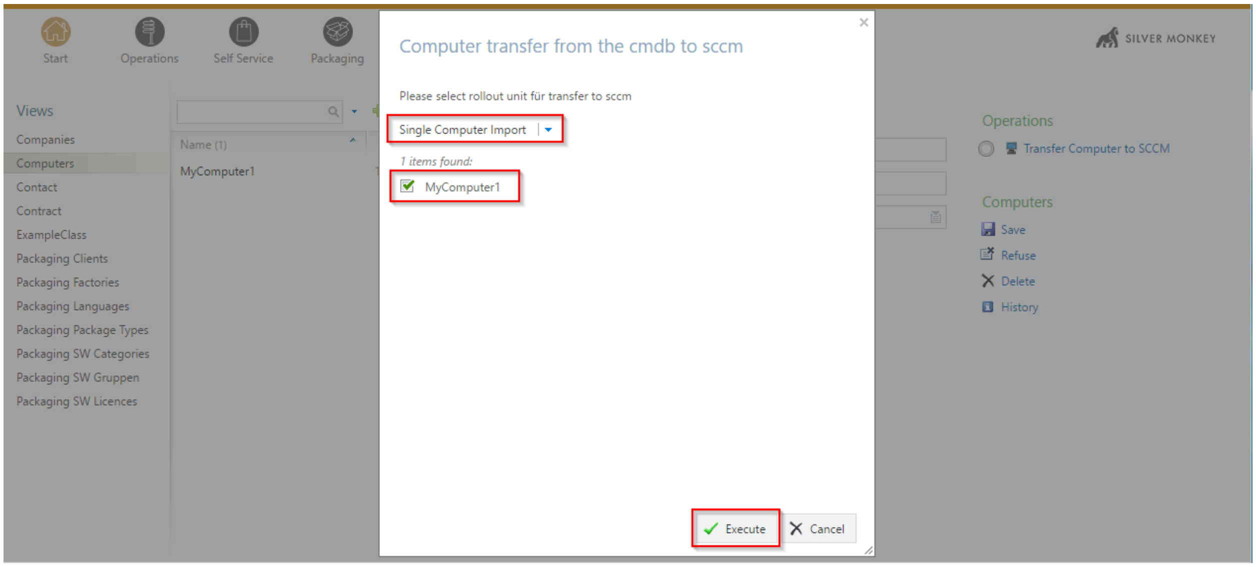
Computers

Name: MyComputer1

MACAddress: 11:11:11:11:11:14

Language: German (DE / GER)

4. First, select “Rollout unit” (usually, rollout units only make sense when importing multiple computers; the example below is simplyfied) and click on execute



Computer transfer from the cmdb to sccm

Please select rollout unit für transfer to sccm

Single Computer Import

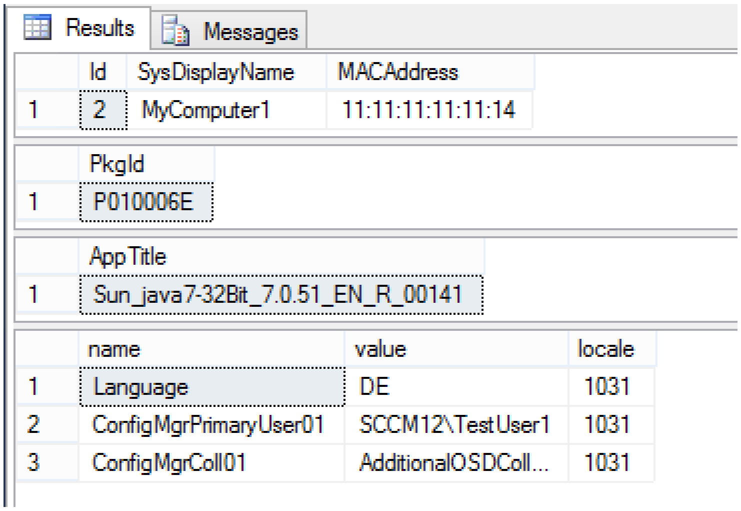
1 items found:

☑ MyComputer1

✓ Execute ✕ Cancel

5. When the action is performed in SQL level the following results will be translated by the mass import feature:

- Computer Query
- Package Query
- Application Query
- Variable Query



	Id	SysDisplayName	MACAddress
1	2	MyComputer1	11:11:11:11:11:14

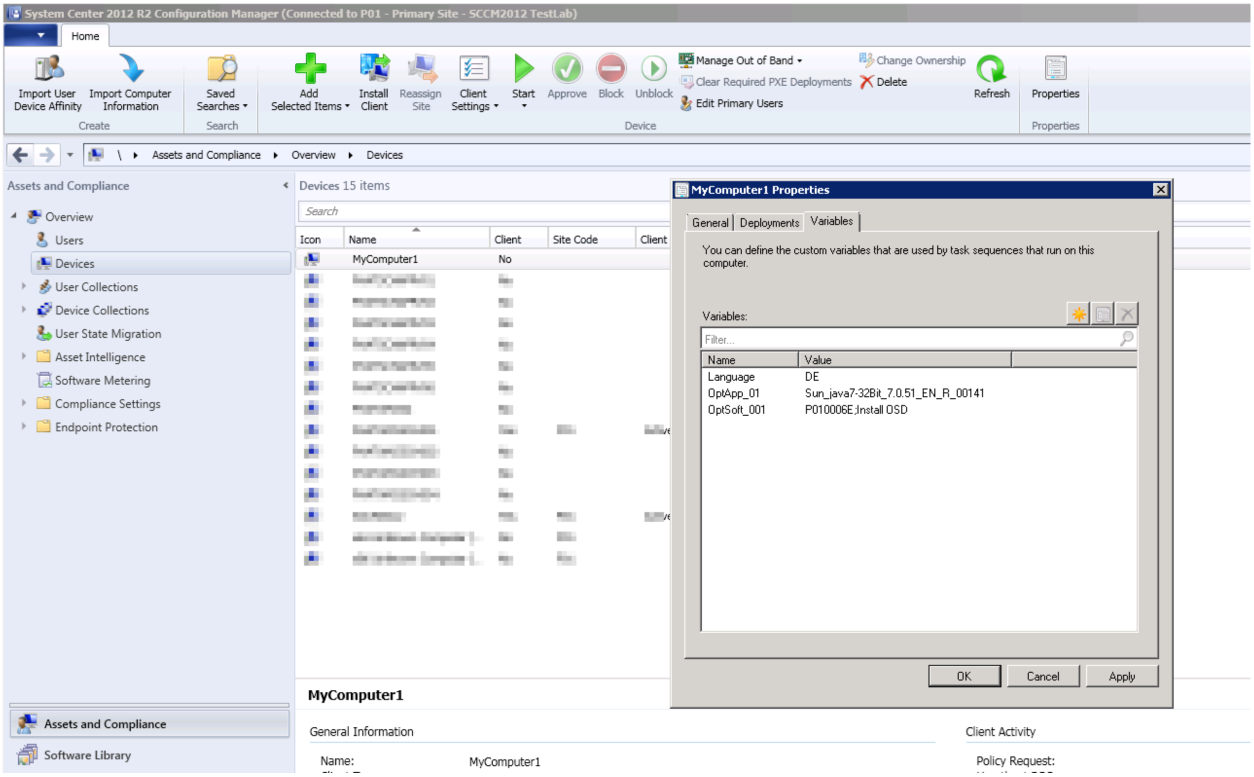
	PkgId
1	P010006E

	AppTitle
1	Sun_java7-32Bit_7.0.51_EN_R_00141

	name	value	locale
1	Language	DE	1031
2	ConfigMgrPrimaryUser01	SCCM12\TestUser1	1031
3	ConfigMgrColl01	AdditionalOSDColl...	1031

6. The result in SCCM looks like the following:

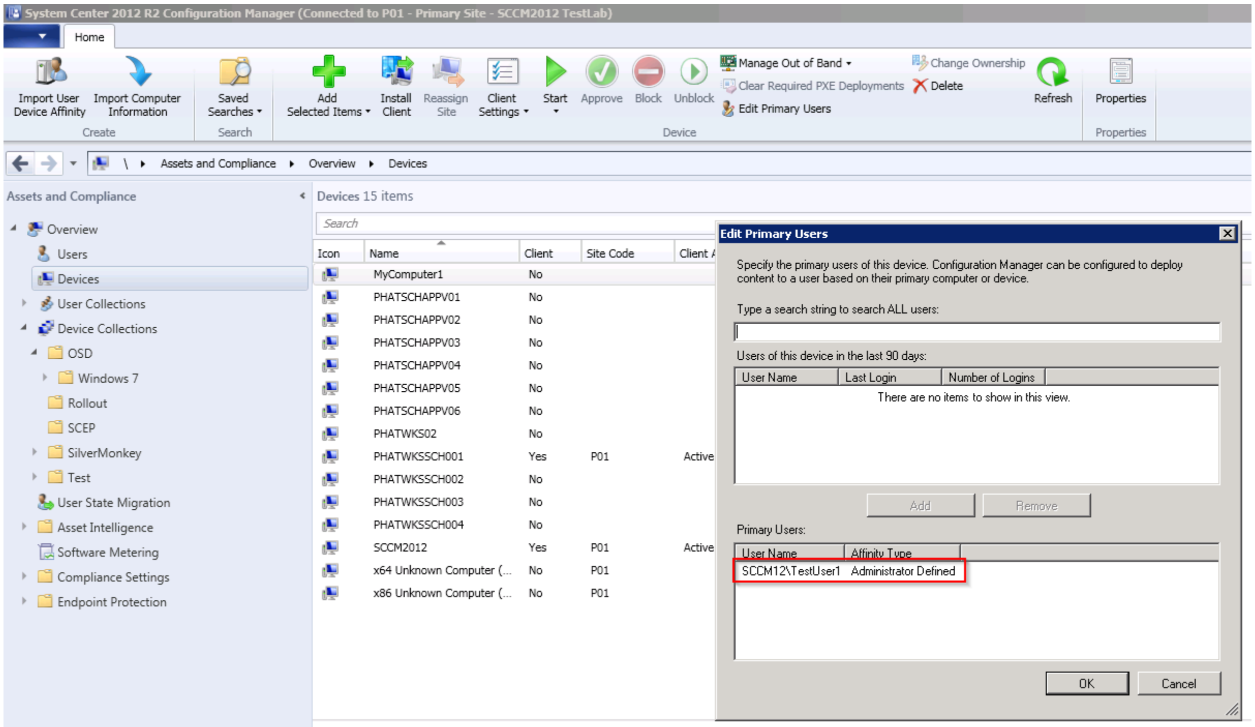
Variables:



You can define the custom variables that are used by task sequences that run on this computer.

Name	Value
Language	DE
OptApp_01	Sun_java7-32Bit_7.0.51_EN_R_00141
OptSoft_001	P010006E;Install OSD

Primary Users:



Icon	Name	Client	Site Code	Client A
	MyComputer1	No		
	PHATSCHAPPV01	No		
	PHATSCHAPPV02	No		
	PHATSCHAPPV03	No		
	PHATSCHAPPV04	No		
	PHATSCHAPPV05	No		
	PHATSCHAPPV06	No		
	PHATWKS02	No		
	PHATWKSSCH001	Yes	P01	Active
	PHATWKSSCH002	No		
	PHATWKSSCH003	No		
	PHATWKSSCH004	No		
	SCCM2012	Yes	P01	Active
	x64 Unknown Computer (...	No	P01	
	x86 Unknown Computer (...	No	P01	

Specify the primary users of this device. Configuration Manager can be configured to deploy content to a user based on their primary computer or device.

Type a search string to search ALL users:

Users of this device in the last 90 days:

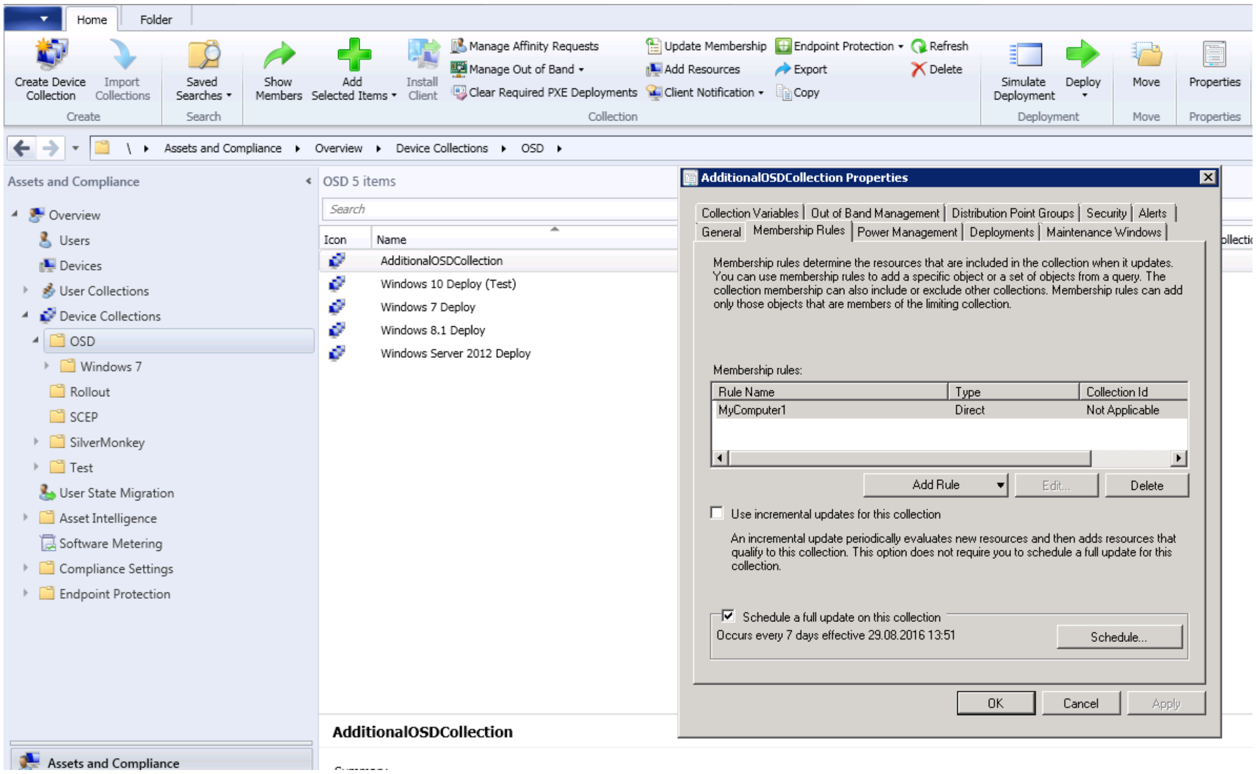
User Name	Last Login	Number of Logins

There are no items to show in this view.

Primary Users:

User Name	Affinity Type
SCCM12\TestUser1	Administrator Defined

Collection membership:



Membership rules determine the resources that are included in the collection when it updates. You can use membership rules to add a specific object or a set of objects from a query. The collection membership can also include or exclude other collections. Membership rules can add only those objects that are members of the limiting collection.

Membership rules:

Rule Name	Type	Collection Id
MyComputer1	Direct	Not Applicable

☐ Use incremental updates for this collection

An incremental update periodically evaluates new resources and then adds resources that qualify to this collection. This option does not require you to schedule a full update for this collection.

☑ Schedule a full update on this collection

Occurs every 7 days effective 29.08.2016 13:51

1.3.4 Manual for Module "Operations"

In this article:

- *Hidden Settings*
  - *Alternative New Computer Popup*
  - *Debug Mode*
  - *Custom Queries*
- *Settings*
  - *Client Commands*
    - *WMI Query*
    - *Registry Query*
    - *WMI Query Command*
    - *WMI Class Command*
    - *ClickOnce*

Warning: This article is under construction! Please DO NOT use any of the instructions below, yet! You may cause damage to your system. This article will be finished soon.

Hidden Settings

Hidden settings are configurable features that are not available through the standard configuration UI.

These settings have to be set within the `Configuration.xml` in a text editor.

Tip: Within the hidden settings section XPATH notation is used to give information about the correct location of the setting. Please visit this website in order to get more information on XPATH notation.

Alternative New Computer Popup

In order to change the behaviour of the new computer, hit the "plus" button and add the following XML tag to `//sites/site`:

```
<AlternateCreatePopup><![CDATA[javascript: functionXY();]]></AlternateCreatePopup>
```

Example

You have created a special CMDB class for computer import with the form ID `84`. You can open a popup with the built-in javascript function `sW`:

```
<AlternateCreatePopup><![CDATA[javascript: sW('v_84_','../Support/TypeView.aspx?PopUp=true&TypeViewId=84',650,500,true);]]></AlternateCreatePopup>
```

```
<AlternateCreatePopup><![CDATA[javascript: sW('v_84_','../Support/TypeView.aspx?PopUp=true&TypeViewId=84&Id=NewEntry',650,500,true);]]></AlternateCreatePopup>
```

Use `&Id=NewEntry` to create a new entry on the fly. This allows you to directly show actions buttons and saves one click.

Debug Mode

By setting debugmode to true a verbose log is created in app_data directory with more internal process information. Add the following XML tag to `//system`

```
<debugLogging>true</debugLogging>
```

Custom Queries

Custom queries allows to use alternate queries to built up left and right side of the Operations main window.

Add the following XML nodes to `//sites/site`:

```
<CustomQueryComputers>
        <CustomQuery filterId="DefaultComputerQuery" filterLabel="All Computers" filterRole="PackWF Admin" UseSIMDB="false"><![CDATA[
          SELECT  resourceid                                         AS Id, '',
          name0                                              AS
          Computer
          ,
          user_domain0 + '\' + user_name0
```

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```
          AS Username,
          obsolete0                                          AS
          Obsolete
          ,
          active0
          AS Active,
          (SELECT Count(RelationshipResourceID)



          FROM   v_UserMachineRelation
          WHERE  machineresourceid = v_r_system.resourceid) AS
          UserDevice
          ,overall_count = COUNT(*) OVER()
          FROM   v_r_system

          where v_r_system.name0 like '%{search}%'


        order by {orderby}

         OFFSET {start} ROWS FETCH NEXT 50 ROWS ONLY
        ]]></CustomQuery>
        <CustomQuery filterId="DefaultUserQuery" filterLabel="All Users" filterRole=""><![CDATA[
         SELECT  top 100 resourceid                                         AS Id, '',
          name0                                              AS
          Computer
          ,
          user_domain0 + '\' + user_name0
          AS Username,
          obsolete0                                          AS
          Obsolete
          ,
          active0
          AS Active,
          (SELECT Count(RelationshipResourceID)



          FROM   v_UserMachineRelation
          WHERE  machineresourceid = v_r_system.resourceid) AS
          UserDevice
          FROM   v_r_system

          where v_r_system.name0 like '%{search}%'

        order by {orderby}
        ]]></CustomQuery>
      </CustomQueryComputers>
      <CustomQuerySoftware>
        <CustomQuery filterId="DefaultAppQuery" filterLabel="All Applications" filterRole=""><![CDATA[
          select id, '', name, [Description] from (
SELECT '$'+CAST(CI_ConfigurationItems.CI_ID as varchar) as id, DisplayName as name,


```

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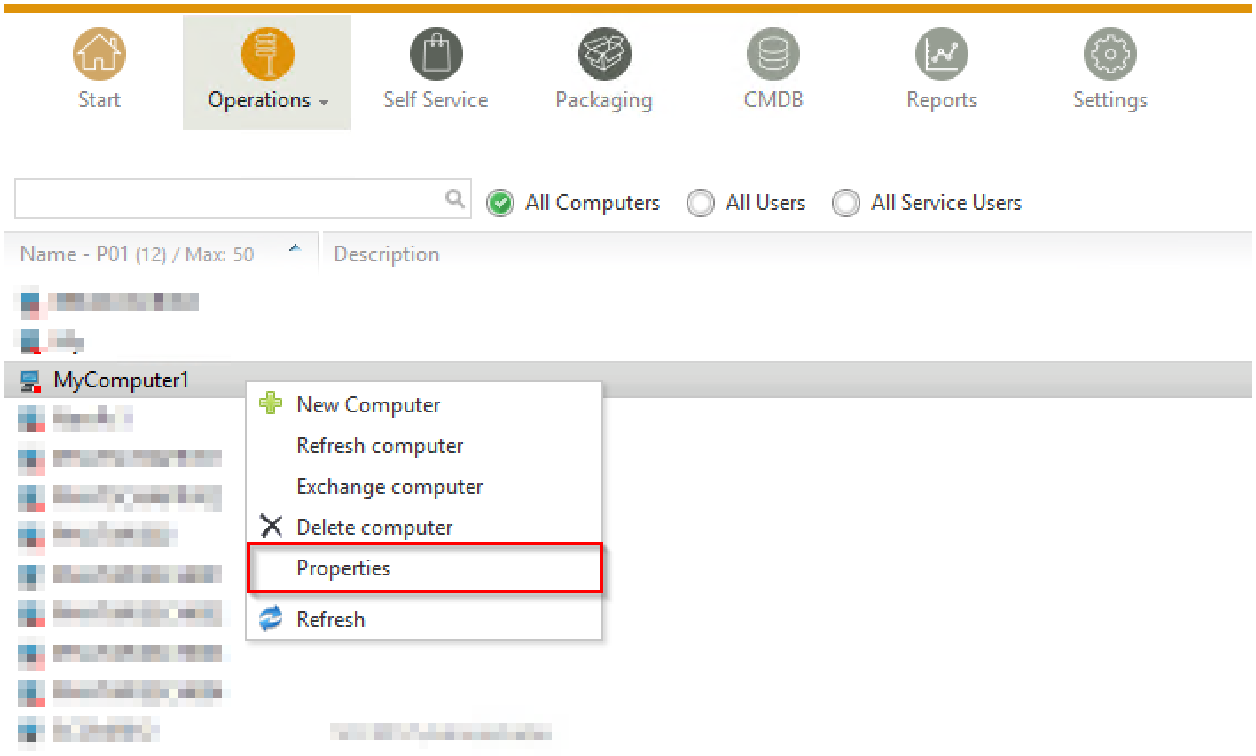
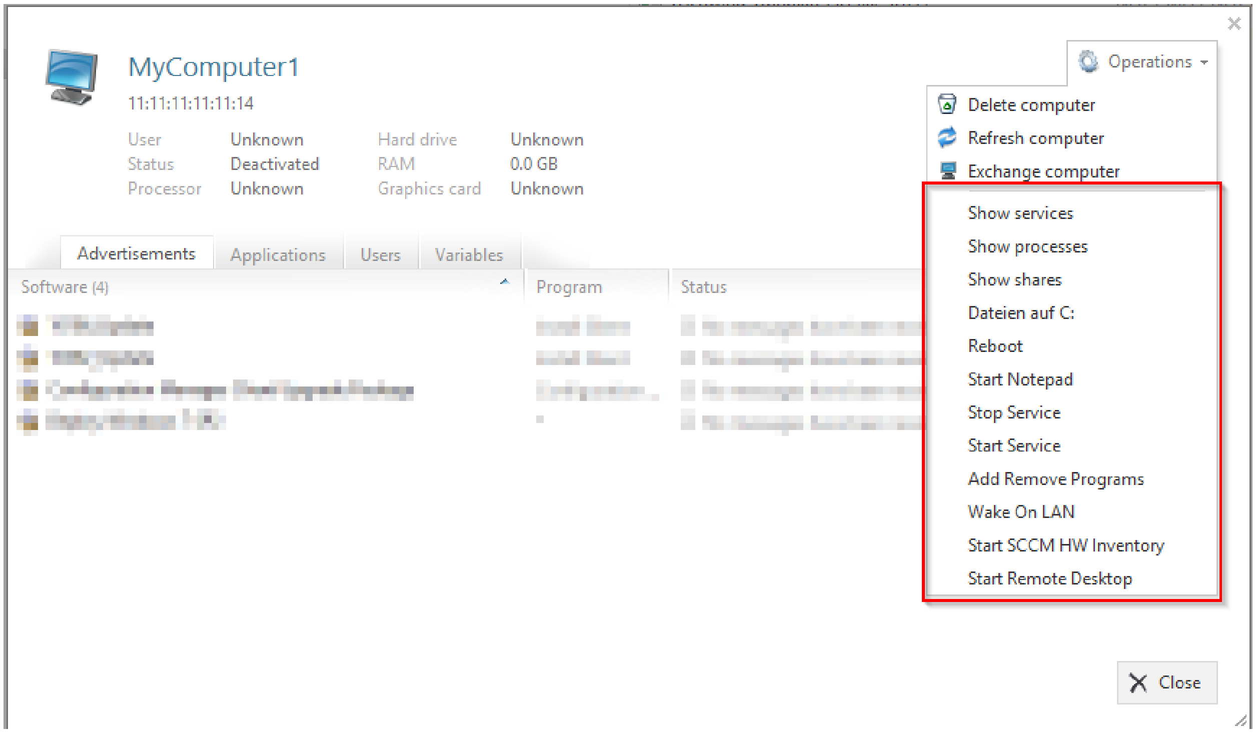
```
ltrim(SDMPackageDigest.value('declare namespace pd="http://schemas.microsoft.com/SystemCenterConfigurationManager/2009/AppMgmtDigest"; (/pd:AppMgmtDigest/pd:Application/pd:Description)[1]', 'varchar(max)')) AS [Description]



FROM CI_ConfigurationItems INNER JOIN CI_LocalizedProperties ON CI_ConfigurationItems.CI_ID = CI_LocalizedProperties.CI_ID


WHERE CI_ConfigurationItems.CIType_ID = 10 AND CI_ConfigurationItems.IsHidden = 0 AND CI_ConfigurationItems.IsEnabled = 1 AND CI_ConfigurationItems.IsExpired = 0 AND CI_ConfigurationItems.IsLatest = 1

)
as t

where t.name like '%{search}%' or [Description] like '%{search}%'

        order by {orderby}

        ]]></CustomQuery>
      </CustomQuerySoftware>
```

Settings

Client Commands

Client commands are visible in the properties dialogue in the SIM OPS module. There are different types of client commands.





MyComputer1

11:11:11:11:11:14

User	Unknown	Hard drive	Unknown
Status	Deactivated	RAM	0.0 GB
Processor	Unknown	Graphics card	Unknown

WMI Query

Executes SQL select on the target machine and displays the output on the website.

Example: View the services of the client including his / her status.

Setting	Value
Type	WMI query
Namespace	root\cimv2
Query	SELECT DisplayName, Description, StartMode, StartName, State FROM Win32_Service

Registry Query

Reads from target machine registry and displays the output on the website.

Example: View Add Remove Programs

Setting	Value
Type	Registry query
Namespace	HKEY_LOCAL_MACHINE
Class	SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall
Query	DisplayName, DisplayVersion, Publisher, InstallDate

WMI Query Command

Executes a specific WMI method for every returned object.

Example: Stop Windows Services with Specific Name

Setting	Value
Type	WMI Query command
Namespace	root\cimv2
Query	select * from Win32_Service where Name=’W3SVC’
Command	StopService

WMI Class Command

Executes a WMI class method.

Example: Trigger SCCM HW Inventory on client

Setting	Value
Type	WMI Class command
Namespace	root\ccm
Class	SMS_Client
Command	TriggerSchedule~{00000000-0000-0000-0000-000000000001}

ClickOnce

Executes local executables such as MSTSC for extended functionality regarding client systems.

Example: Start MSTSC with a Parameter

Setting	Value
Type	ClickOnce
Query	../Tools/ClickOnce/SIM_Ops_Clickonce.application?{ComputerName}

`SIM_Ops_Clickonce.application` is only delivered with the latest version. You can change its behaviour (executable, parameters) in the config file under "ToolsClickOnceApplication FilesSIM_Ops_Clickonce_1_0_0_0SIM_Ops_Clickonce.exe.config.deploy".

Tip: If `ClickOnce` is missing in your configuration please open the Configuration.xml file and change all lines from

- "query_wmi,WMI query;query_files,Filesystem;query_registry,Registry query;cmd_query_wmi,WMI query command;cmd_class_wmi,WMI class command;wol,WakeOnLAN"

to

- "query_wmi,WMI query;query_files,Filesystem;query_registry,Registry query;cmd_query_wmi,WMI query command;cmd_class_wmi,WMI class command;wol,WakeOnLAN;clickonce,ClickOnce"'

1.3.5 Manual for Module "Webservice"

Warning: This article is under construction! Please DO NOT use any of the instructions below, yet! You may cause damage to your system. This article will be finished soon.

In this article:

- *createCollection*

Several Microsoft ConfigMgr processes can be automated using the Web Service. This service provides the following functions that can be initiated by a corresponding Web Service call by any system:

- Creating a new computer
- Deleting computers
- Distributing Software
- Exchanging computers
- Recreating computers
- Creating software packages
- Creating file structures
- Executing scripts on the webserver

To go to the processes a HTTP POST calls the address of the service. This call is basically a stream with an XML structure that contains a set of commands. These commands are processed by the service, expanded by their results and sent back to the caller. The success status includes a new node called “result” added to the attribute “error”.

Please observe upper and lower case when you are generating the XML command structure (for example, when you enter the site code, etc.). The following example shows an XML structure with three separate commands. All calls must be made using an account that has the appropriate permissions. When the call for createation of a new computer is committed, the specified variables are added to the list of standard variables from the configuration.

Tip: Go to *KB00002 - Testing the SIM Web Service Test Tool* to get help connecting to the web service.

Authentication

Depending on the setting of the IIS application there are two possible authentication methods:

1. Windows Authentication (recommended)
2. Authentication via XML input (supplied credentials will be used for impersonation)

```xml
<?xml version="1.0" encoding="utf-8"?>
<cmds>
  <login>
    <domain>DOMAIN</domain>
    <user>USERNAME</user>
    <password>ClearPassword</password>
  </login>
  <cmd></cmd>
  <cmd></cmd>
  ...
</cmds>
```

Available Commands

All commands sent to the webservice have to be enclosed by the following XML block:

```xml
<?xml version="1.0" encoding="utf-8"?>
<cmds>
  <cmd></cmd>
  <cmd></cmd>
  ...
</cmds>
```

The web service executes each `cmd` element and adds a `result` node to it.

```xml
<?xml version="1.0" encoding="utf-8"?>
<cmds>
  <cmd>
    <param1></param1>
    <param2></param2>
    <param3></param3>
    <result error="true/false">Message</result>
  </cmd>
  <cmd></cmd>
  ...
</cmds>
```

Deployment

Creating a deployment for a ConfigMgr **package**. Go to websrv-assignment in order to get help deploying a ConfigMgr **application**.

```xml
<cmd name="deployment" siteCode="000">

  <computerName>Name of the computer</computerName><!-- Supply NAME -->
  <resourceID>Resource ID of the computer</resourceID><!-- or resourceID -->

  <packageName>Supplied value of the field "Name" in ConfigMgr console</packageName><!-- Supply NAME -->
  <packageID>Id of the package</packageID><!-- or packageID -->

  <program>name of the package program</program>
  <type>Optional/Mandatory</type>

</cmd>
```

Note: Depeding on the settings of `Settings->Sites->[SITE]->Computer software deplyoment`, corresponding collections and deployments will be created in ConfigMgr. The same settings are used by the Operations module.

Examples

1. Creating a deployment of a SCCM package by IDs

```xml
<?xml version="1.0" encoding="utf-8"?>
<cmds>
  <cmd name="deployment" siteCode="P01">
    <computerName></computerName>
    <resourceID>12341134</resourceID>
    <packageName></packageName>
```

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```
    <packageID>P0100001</packageID>
    <program>install</program>
    <type>Mandatory</type>
  </cmd>
</cmds>
```

2. Creating a deployment of a SCCM package by names

```
<?xml version="1.0" encoding="utf-8"?>
<cmds>
  <cmd name="deployment" siteCode="P01">
    <computerName>MyPc1</computerName>
    <resourceID></resourceID>
    <packageName>TestPackage</packageName>
    <packageID></packageID>
    <program>install</program>
    <type>Mandatory</type>
  </cmd>
</cmds>
```

deleteClient

```
<cmd name="deleteClient" siteCode="000">
  <resourceID>Resourcen ID des Computers (alternativ)</resourceID>
  <name>Name des Computers (alternativ)</name>
</cmd>
```

createClient

```
<cmd name="createClient" siteCode="000">
  <name>Computername</name>
  <mac>MAC Adresse</mac>
  <configuration>Standard</configuration>
  <overwrite>true</overwrite>
  <variable>
    <name>Variablenname</name>
    <locale>Locale</locale>
    <value>Variablenwert</value>
 </variable>
</cmd>
```

executeScript

```
<cmd name="executeScript" siteCode="000">
 <executable>Computername</executable>
 <parameters>MAC Adresse</parameters>
</cmd>
```

exchangeClient

```
<cmd name="exchangeClient" siteCode="000">
  <sourceComputerName>Name des alten Computers</sourceComputerName>
  <targetComputerName>Name des neuen Computers (alternativ Name oder MAC)</targetComputerName>
  <targetComputerMAC>MAC Adresse des neuen Computers (alternative Name oder MAC)</targetComputerMAC>
  <configuration>Name der Konfiguration des neuen Computers</configuration>
  <packages>
      <packageId>PaketId des ersten Paketes</packageId>
      <packageId>PaketId des zweiten Paketes</packageId>
  </packages>
  <applications>
      <application>Name der Applikation</application>
      <application>Name der Applikation</application>
  </applications >
 <variable>

    <name>Variablenname</name>
    <locale>Locale</locale>
    <value>Variablenwert</value>
 </variable>
</cmd>
```

refreshClient

assignment

Creating a deployment for a ConfigMgr **application**. Go to *Deployment* for deploying a ConfigMgr **package**.

```
<cmd name="assignment" siteCode="000">
 <computerName>Name des Computers (alternativ)</computerName>
 <resourceID>Resourcen ID des Computers (alternativ)</applicationID >
 <applicationID>ApplikationsID</ applicationID>
 <type>Installation|Deinstallation</type>
 <offerTypeId>0=Required|2=Available</offerTypeId>
</cmd>
```

createFileStructure

```
<cmd name="createFileStructure">
 <packagingParamName1>Wert 1</packagingParamName1>
 <packagingParamName2>Wert 2</packagingParamName2>
 <packagingParamName3>Wert 3</packagingParamName3>
 ...
</cmd>
```

createPackage

```
<cmd name=" createPackage">
 <packagingParamName1>Wert 1</packagingParamName1>
 <packagingParamName2>Wert 2</packagingParamName2>
 <packagingParamName3>Wert 3</packagingParamName3>
 ...
</cmd>
```

createApplication

```
<cmd name="createApplication" siteCode="000" template="default" >
  <variable name="Name">Wert</variable>
</cmd>
```

createCollection

```
<cmd name="createCollection" siteCode="000"
 name="Neu 2"
 collectionType="1=user|2=device"
 limitToCollectionId="SMS00001"
 query="" />
</cmd>
```

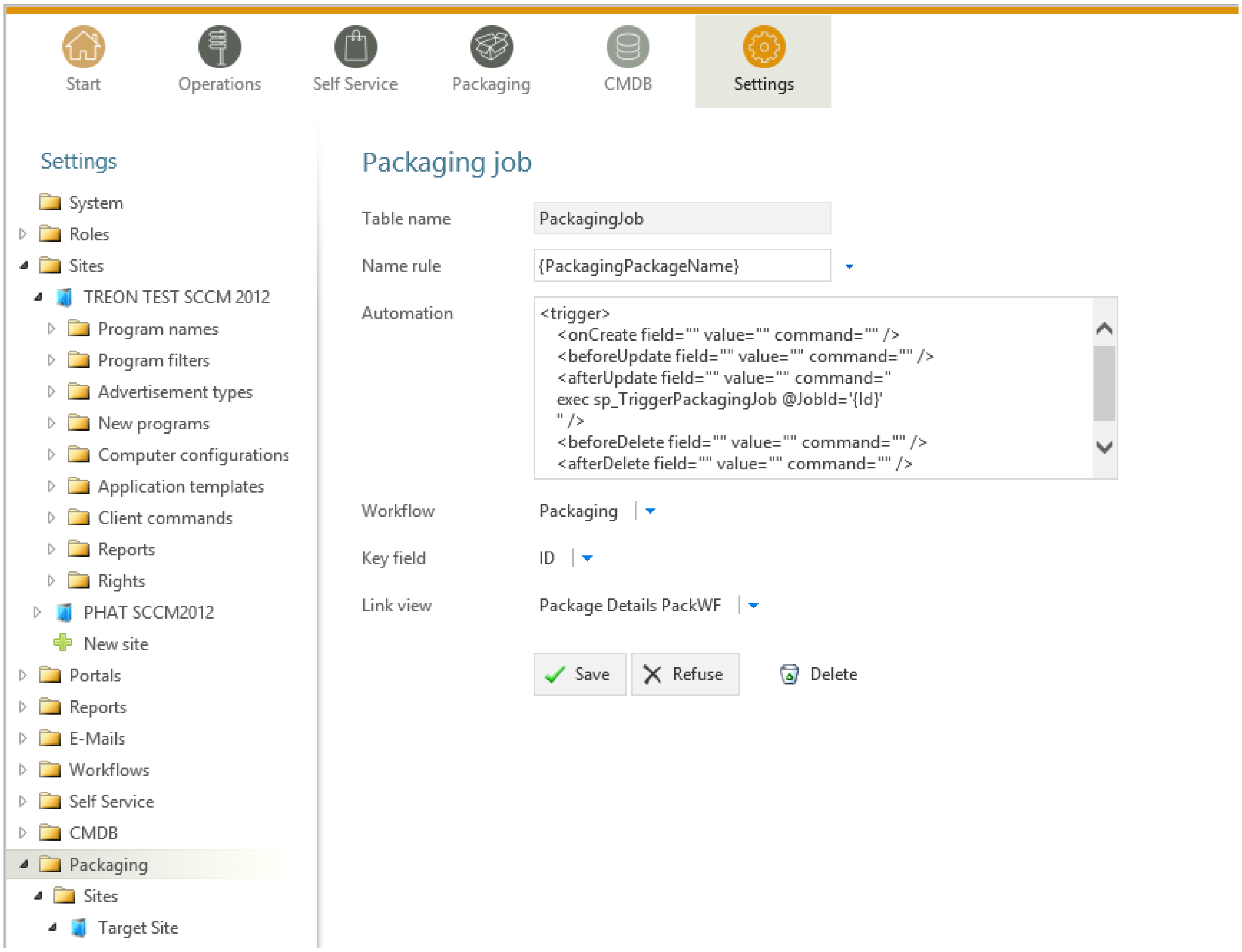
1.3.6 Manual for Module “Packaging”

Warning: This article is under construction! Please DO NOT use any of the instructions below, yet! You may cause damage to your system. This article will be finished soon.

In this article:

General Information

The Packaging Module is used to map and standardize the organisational packaging process. In addition, it is possible to use operations to simplify Configuration Manager tasks like creating packages or applications. The Packaging Module is based on the functions of the CMDB Module: attributes, views and operations are configured just as in the CMDB Module. The settings for the automatic creation of packages in SCCM (System Center Configuration Manager) and the creation of folder structures for the packaging process are described in the sections *Sites*, *Programmes* and *Operating System Groups*.



Packaging job

Table name: PackagingJob

Name rule: {PackagingPackageName}

Automation:

```
<trigger>
   <onCreate field="" value="" command="" />
   <beforeUpdate field="" value="" command="" />
   <afterUpdate field="" value="" command="
   exec sp_TriggerPackagingJob @JobId='{Id}'
   " />
   <beforeDelete field="" value="" command="" />
   <afterDelete field="" value="" command="" />
```

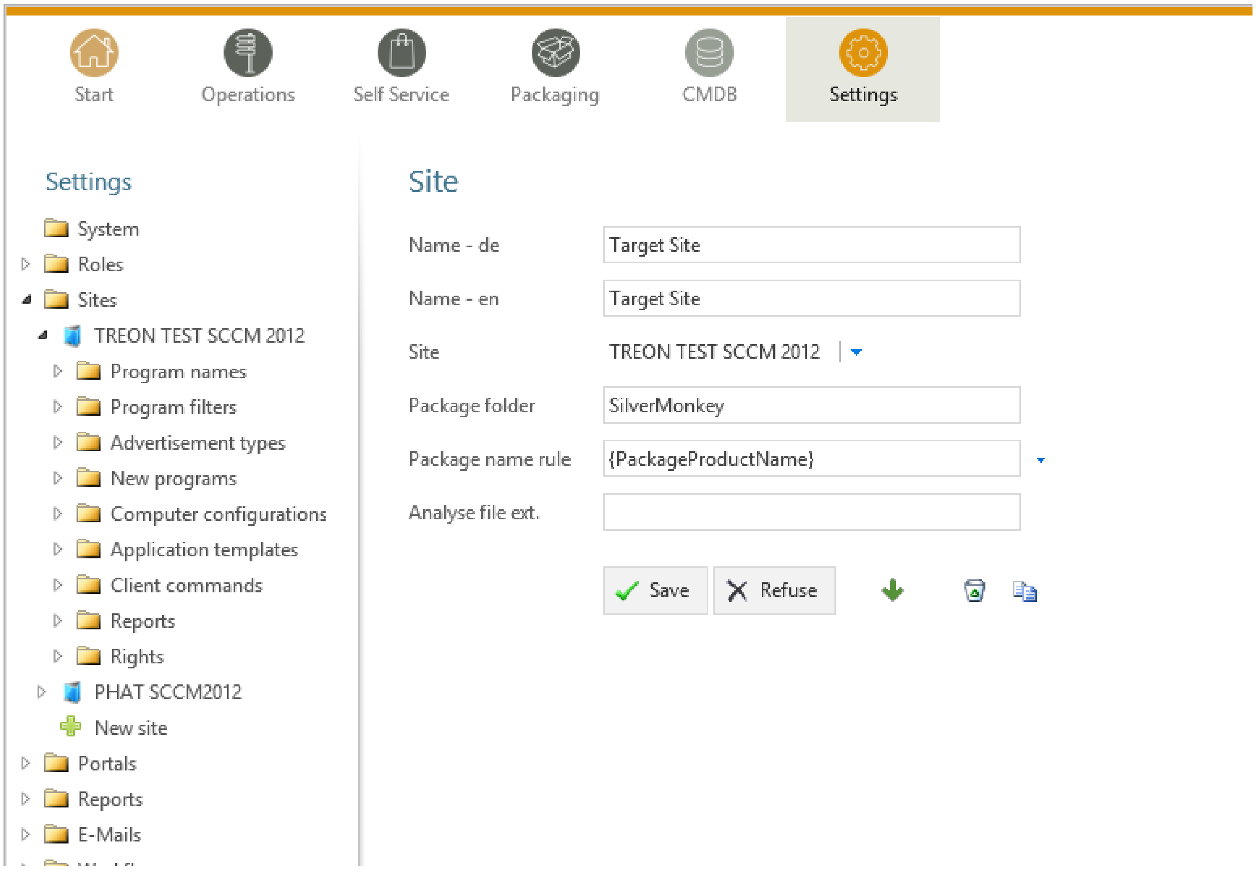
Workflow: Packaging

Key field: ID

Link view: Package Details PackWF

Property	Description
Table name	The name of the packaging table.
Name rule	Defines how packages will be displayed in connection views from other classes.
Automation	Defines triggers that will execute SQL Stored Procedures on specific events.
Workflow	Defines the preconfigured workflow for the packaging process.
Key field	Defines the identifier for the packaging table.
Link view	Defines the view that will be displayed when you open an entry of the packaging table from another class form.

Sites



Site

Name - de: Target Site

Name - en: Target Site

Site: TREON TEST SCCM 2012

Package folder: SilverMonkey

Package name rule: {PackageProductName}

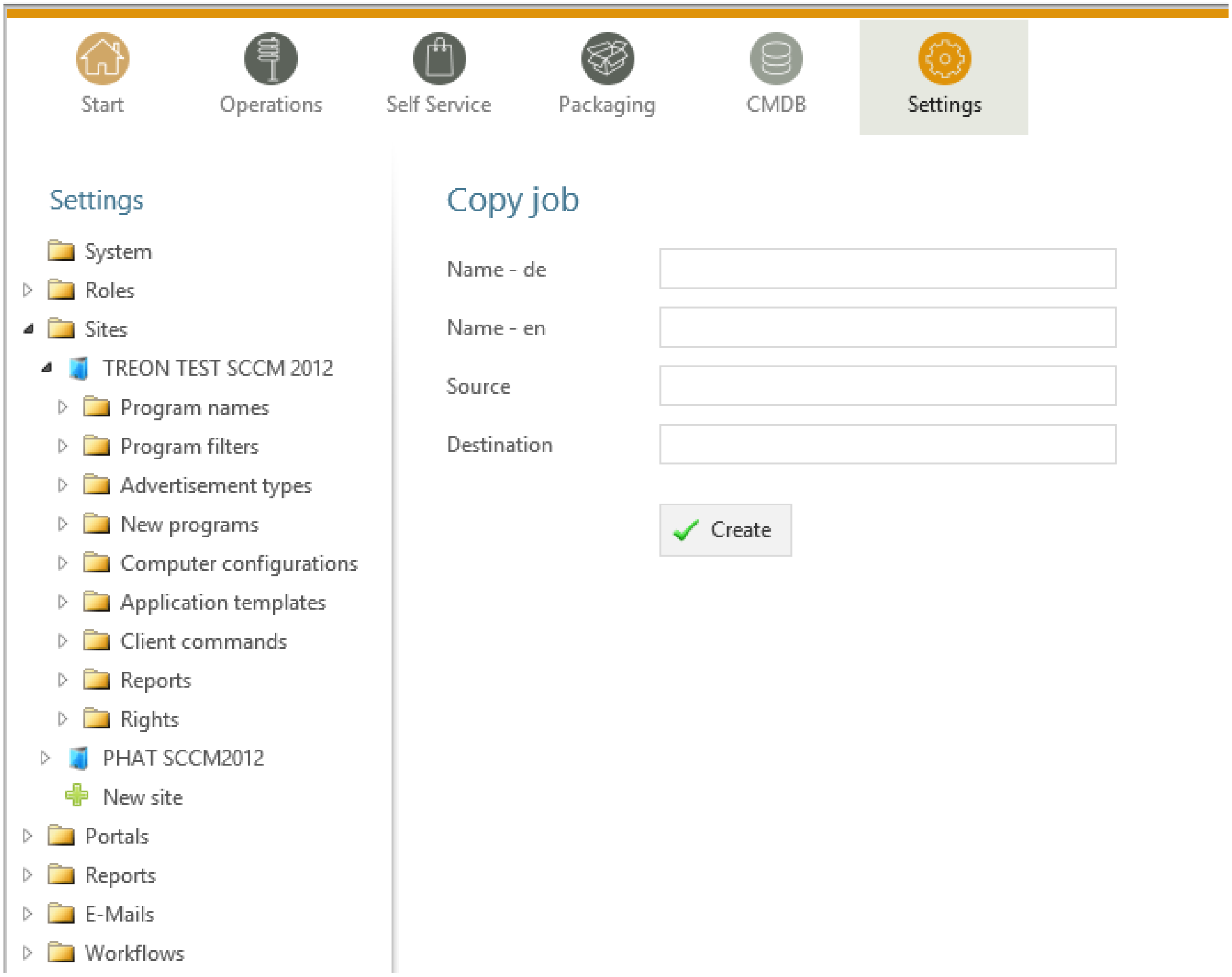
Analyse file ext.:

Property	Description
Name - de	Displayed German name of the packaging site.
Name - en	Displayed English name of the packaging site.
Site	Choose a preconfigured site as packaging site here. See the reference below to learn how to configure sites in general.
Package Folder	Depricated!(Feature for SCCM Packages)
Package Name rule	Depricated!(Feature for SCCM Packages)
Analyse file ext.	Define what kind of files should be parsed when copy jobs are executed. All files that are copied and that have a type that is defined here will be parsed, meaning when there are Attributenames in curly brackets ({AttributeName}) they will be replaced with the attribute value in the form context. (Possible values: “docx; vbs; txt; xml”)

See *Sites* to learn how to configure sites.

Copy Jobs

Various file copying operations can be defined for the packaging process. Create the filestructure for the packaging process with this operation. Then execute single or multiple copy jobs from the forms.



Copy job

Name - de

Name - en

Source

Destination

Property	Description
Name - de	Displayed German name of the copy job.
Name - en	Displayed English name of the copy job.
Source	Source path for the copy job.
Destination	Destination path for the copy job.

See the general Site Configuration for the definition of the files that will be parsed while executing copy jobs.

Note: Copy jobs will be executed in the context of the deposited SCCM account.

Packaging Parameters

This feature is depricated!(Feature for SCCM Packages)

Programmes

This feature is depricated!(Feature for SCCM Packages)

Operating System Groups

This feature is depricated!(Feature for SCCM Packages)

Attributes

Create attributes for the packaging workflow here.

You can see informations about attributes under *Attributes*.

Views

Create lists and forms for the packaging workflow here.

For further information see *Form Definition*.

1.3.7 Manual for Module "Portals"

Warning: This article is under construction! Please DO NOT use any of the instructions below, yet! You may cause damage to your system. This article will be finished soon.

In this article:

Portals are used to define start or overview pages. A portal can have multiple columns with multiple widgets. Every portal can be restricted to a role. You can use different widgets here: SQL Querys, Links and Reports.

Column

Property	Description	Example
Border top	Property that defines the vertical top-margin of the column.	25
Border right	Property that defines the horizontal right-margin of the column.	25
Border bottom	Property that defines the vertical bottom-margin of the column.	25
Border left	Property that defines the horizontal left-margin of the column.	25

Note: Do not let your widget XML-definition start with a blank space! This is a common error - the widget will not function properly.

Widgets

SQL Query

```
<sqlQuery
  database=""
  query="SELECT TOP 10 SysDisplayName, Name, Id AS _Id
  FROM Computer"
  link="Support/TypeView.aspx?TypeView=Computer
  Details&Id={_Id}"
  size="400;250"
  refresh="true"
 />
```

Links

```
<links>
 <link de="Google de" en="Google en" url="http://www.google.de" />
 <link de="Google de" en="Google en" url="http://www.google.de" />
</links>
```

localreport

```
<localReport
id=""
name="Issues"
/>
```

Portal Rights

To set a portal right, click the “+ portal right”-button and choose the desired role, finally click save.

1.3.8 Manual for Module “Reporting”

> **Warning:** This article is under construction! Please DO NOT use any of the instructions below, yet! You may cause damage to your system. This article will be finished soon.

Site custom reports can be stored within this configuration area. The reports have to be submitted in the form of RDL or RDLC files (format of Microsoft Reporting Services). Reports can be generated most easily with the Microsoft Business Intelligence Development Studio. After uploading a report definition file, the data sources in the report are analyzed and displayed. When you create a report you have to assign report authorization groups, which may open this report. You can define custom folder structures to structorize multiple reports.

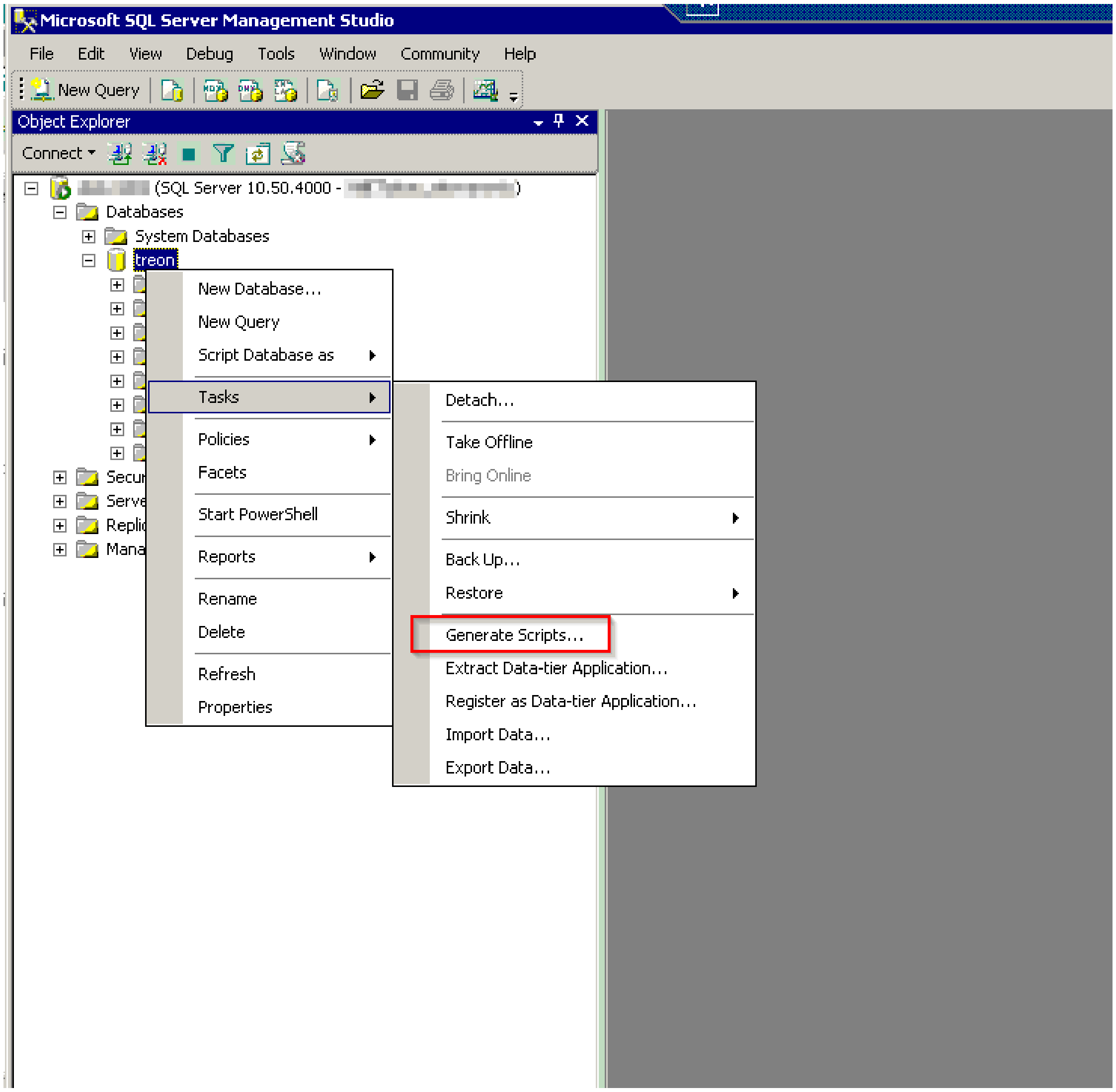
Property	Description	Example
Name	Localized Name of the report	Report1
URL	Reference to an external report	25
Definition	Report definition file	MyReport.rdl
Connection	Database Connection String (if you want query a different database that the SIM Database or rather no linkserver to the specific database has been created within the SIM database server	25
Dataset 1 .. n	SQL query for all datasets within the report	SELECT Table.Column,Table.Column2 FROM Table
Show toolbar	Report definition file	0/1
Show toolbar navigation	Check to generally display the toolbar within the report	0/1
Show toolbar zoom	Check to show toolbar zoom	0/1
Show toolbar search	Check to show toolbar search	0/1
Show toolbar export	Check to show toolbar export	0/1
Show toolbar refresh	Check to show toolbar refresh	0/1
Show toolbar print	Check to show toolbar print	0/1

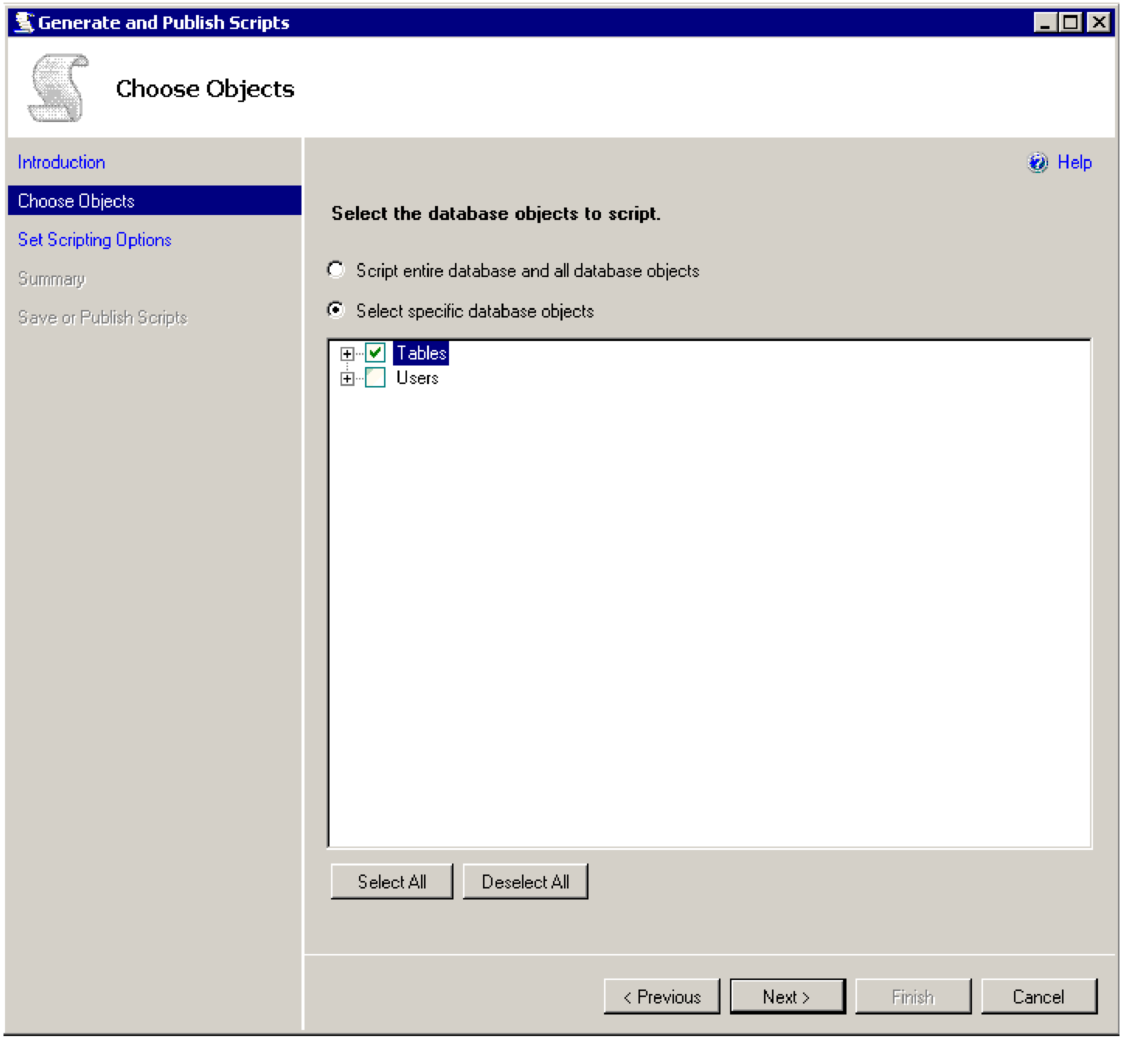
1.4 Knowledge Base

Contents:

1.4.1 KB00001 - Silver Monkey Database Backup

Please follow the instructions below to create a backup of the Silver Monkey database. This document is a quickstart for administrators who are not familiar with SQL Management Studio.


Microsoft SQL Server Management Studio
File
Edit
View
Debug
Tools
Window
Community
Help
New Query
Object Explorer
Connect
[redacted] (SQL Server 10.50.4000 - [redacted])
Databases
System Databases
treon
Secur
Serve
Repli
Mana
New Database...
New Query
Script Database as
Tasks
Policies
Facets
Start PowerShell
Reports
Rename
Delete
Refresh
Properties
Detach...
Take Offline
Bring Online
Shrink
Back Up...
Restore
Generate Scripts...
Extract Data-tier Application...
Register as Data-tier Application...
Import Data...
Export Data...



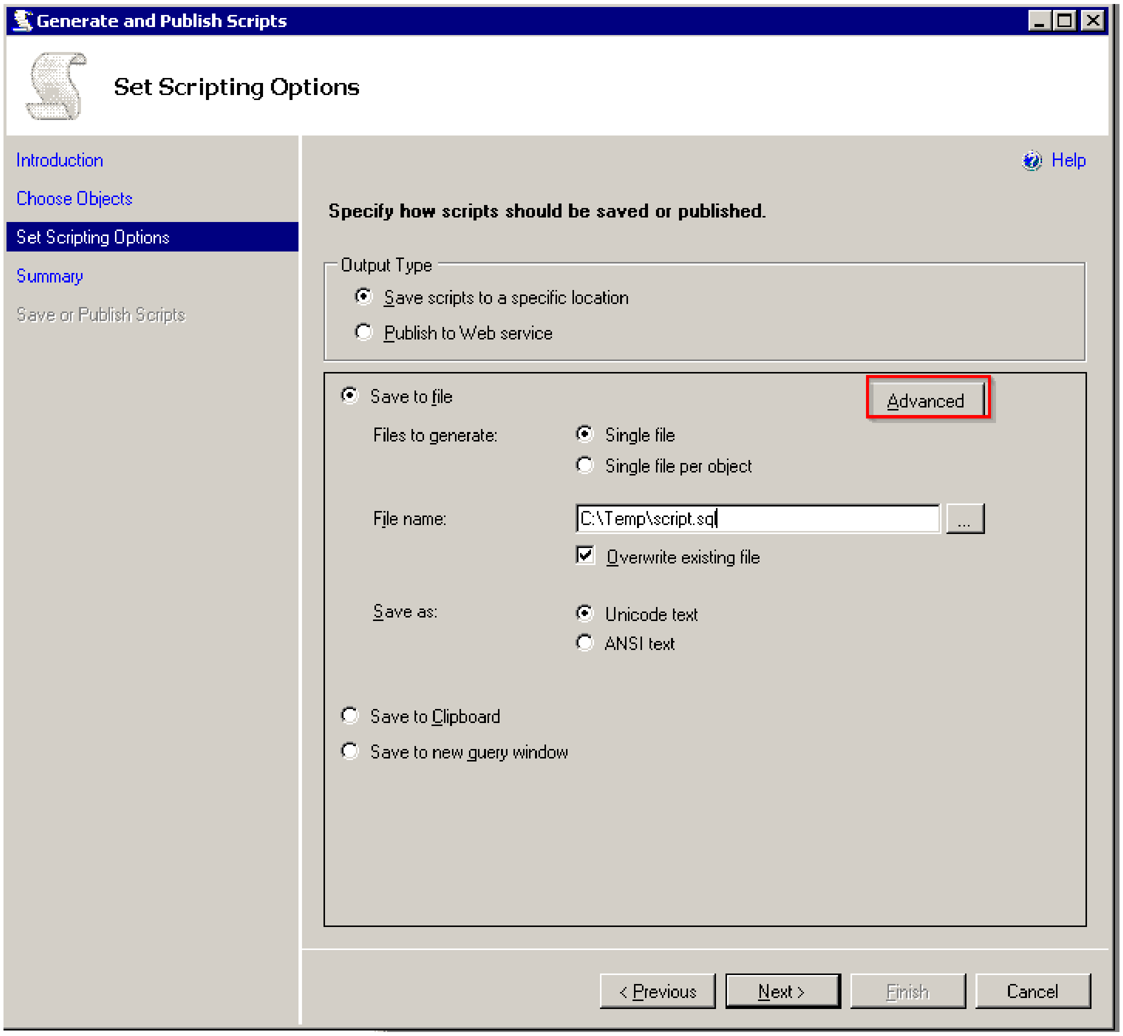
Select the database objects to script.

○ Script entire database and all database objects

● Select specific database objects

☑ Tables

□ Users



Specify how scripts should be saved or published.

Output Type

● Save scripts to a specific location

○ Publish to Web service

● Save to file

Files to generate: ● Single file ○ Single file per object

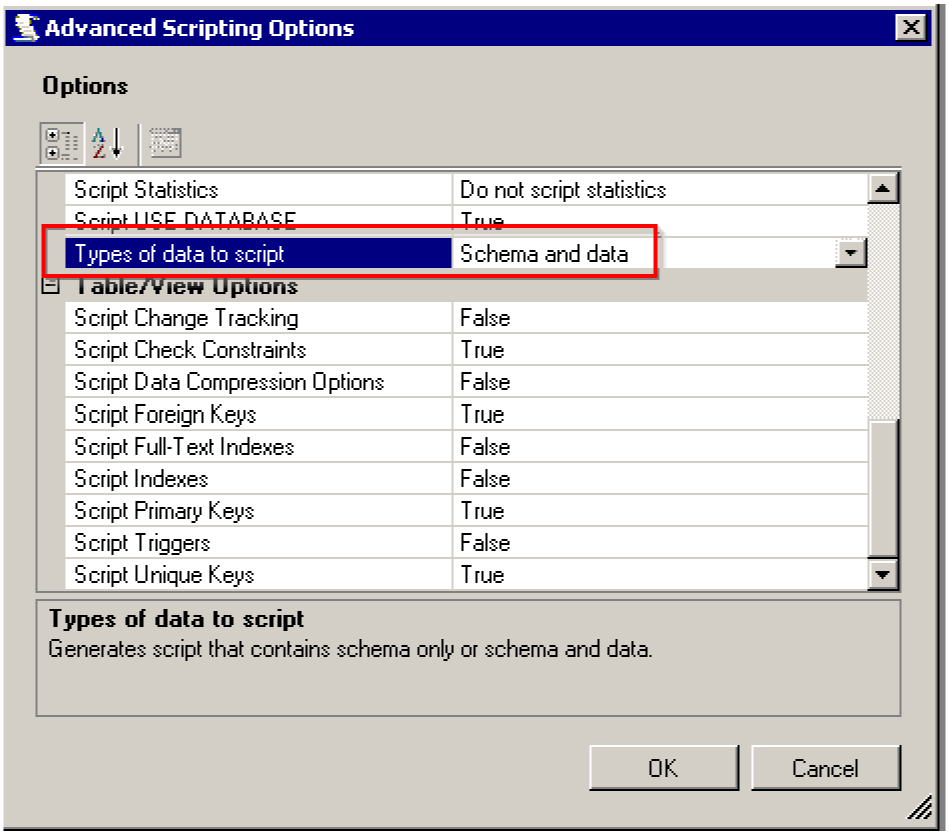
File name: C:\Temp\script.sql

☑ Overwrite existing file

Save as: ● Unicode text ○ ANSI text

○ Save to Clipboard

○ Save to new query window



Script Statistics	Do not script statistics
Script USE DATABASE	True
Types of data to script	Schema and data
Table/View Options	
Script Change Tracking	False
Script Check Constraints	True
Script Data Compression Options	False
Script Foreign Keys	True
Script Full-Text Indexes	False
Script Indexes	False
Script Primary Keys	True
Script Triggers	False
Script Unique Keys	True

Types of data to script

Generates script that contains schema only or schema and data.

1.4.2 KB00002 - Testing the SIM Web Service Test Tool

In this article:

- *Downloading Web Service Test Tool*
- *Extracting Content*
- *Editing start.cmd File*

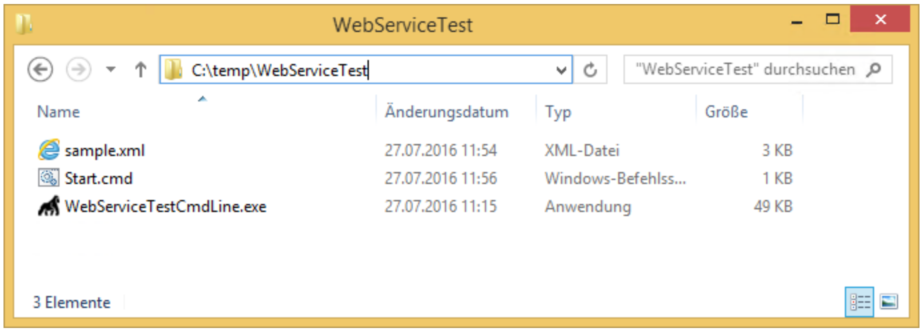
There is a command line tool which enables administrators to perform an easy test without any knowledge about HTTP web service technology.

Downloading Web Service Test Tool

- Command line test-tool download.
- GUI test-tool download.

Extracting Content

Extracting the content of the ZIP:



WebServiceTest

C:\temp\WebServiceTest

"WebServiceTest" durchsuchen

Name	Änderungsdatum	Typ	Größe
sample.xml	27.07.2016 11:54	XML-Datei	3 KB
Start.cmd	27.07.2016 11:56	Windows-Befehlss...	1 KB
WebServiceTestCmdLine.exe	27.07.2016 11:15	Anwendung	49 KB

3 Elemente

The sample XML file will create a simple computer with one variable:

```
<?xml version="1.0" encoding="utf-8"?>
<cmds>
        <cmd name="createClient" siteCode="P01">
                <overwrite>true</overwrite>
                <name>WebSrvPC{Var1}</name>
                <mac>FC:BB:00:11:00:{Var1}</mac>
                <configuration>Win10x64</configuration>
                <variable>
                        <name>FQDN</name>
                        <locale>1033</locale>
                        <value>domain.dom</value>
                </variable>
        </cmd>
        <cmd name="executeScript">
                <executable>C:\Windows\System32\cmd.exe</executable>
                <arguments>
                        <argument>/C echo Var1: {Var1} >C:\temp\WebServiceLog{Var1}.
↪txt</argument>
                </arguments>
        </cmd>
</cmds>
```

Editing start.cmd File

The start.cmd file is meant to be an example of how to start the web service test tool.

An example for the command line could be:

```
WebServiceTestCmdLine.exe /XMLFilePath:"C:\temp\sample.xml" /WebServiceURL:"http://
↪webserver/sim/servicelogin/service.aspx" /Var1:"01"
```

Running the command results in a log file written beside the EXE:

```
+ Ok | Starting Silver Monkey Web Service Tester | 27.07.2016 11:15:45
++ Ok | Sending command to "http://webserver/sim/servicelogin/service.aspx". | 27.07.
↪2016 11:16:16
+++ Ok | Result: <?xml version="1.0" encoding="utf-8"?><cmds><cmd name="createClient"␣
↪siteCode="P01"><overwrite>true</overwrite><name>WebSrvPC01</name><mac>
↪FC:BB:00:11:00:01</mac><configuration>Win10x64</configuration><variable><name>FQDN</
↪name><locale>1033</locale><value>domain.dom</value></variable><result error="false">
↪Operation completed. Existing machine was overwritten</result></cmd><cmd name=
↪"executeScript"><executable>C:\Windows\System32\cmd.exe</executable><arguments>
↪<argument>/C echo Var1: 01 &gt;C:\temp\WebServiceLog01.txt</argument></arguments>
↪<result> Process was executed with following exit Code: 0 </result></cmd></cmds> |␣
↪27.07.2016 11:16:44
```

(continues on next page)

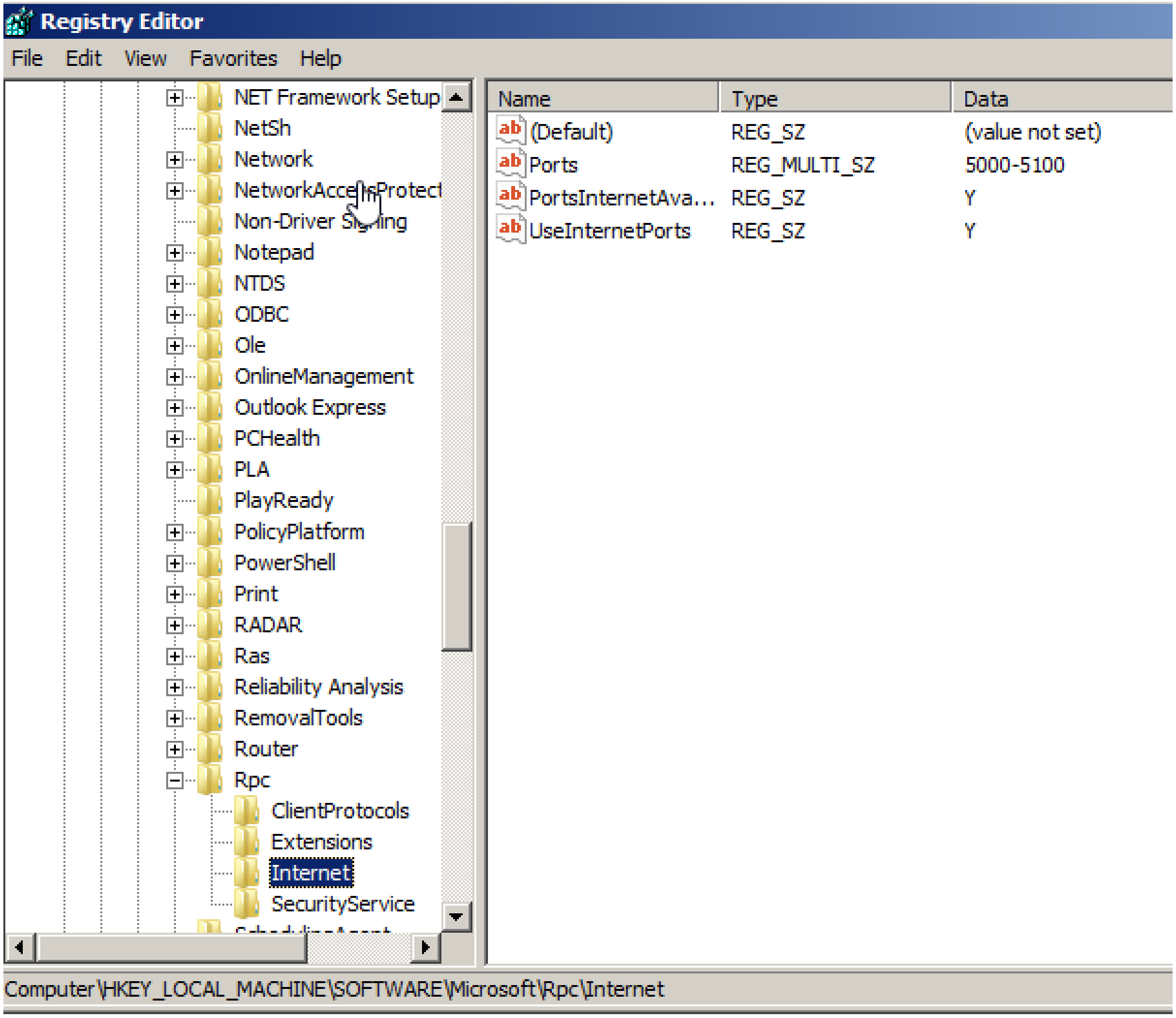
(continued from previous page)

Tip: The Parameters /Var1 to /Var5 are optional and are used to replace corresponding {Var1} to {Var5} template variables in the XMLFile.

1.4.3 KB00003 - Setting Up Fixed WMI Ports

Setting Up Dynamic Port Allocation

Please click here in order to access the tutorial on the determination of dynamic port allocation in Windows.



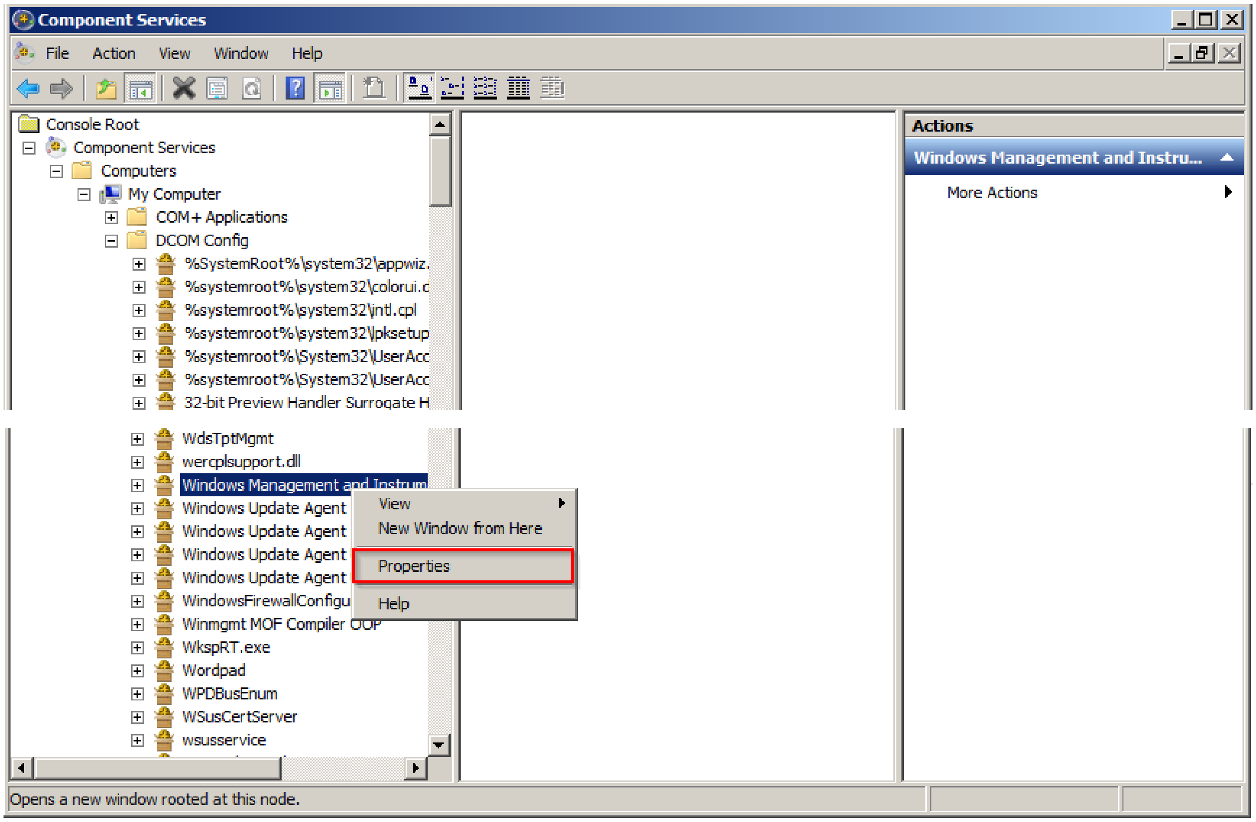
Name	Type	Data
(Default)	REG_SZ	(value not set)
Ports	REG_MULTI_SZ	5000-5100
PortsInternetAva...	REG_SZ	Y
UseInternetPorts	REG_SZ	Y

Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Rpc\Internet

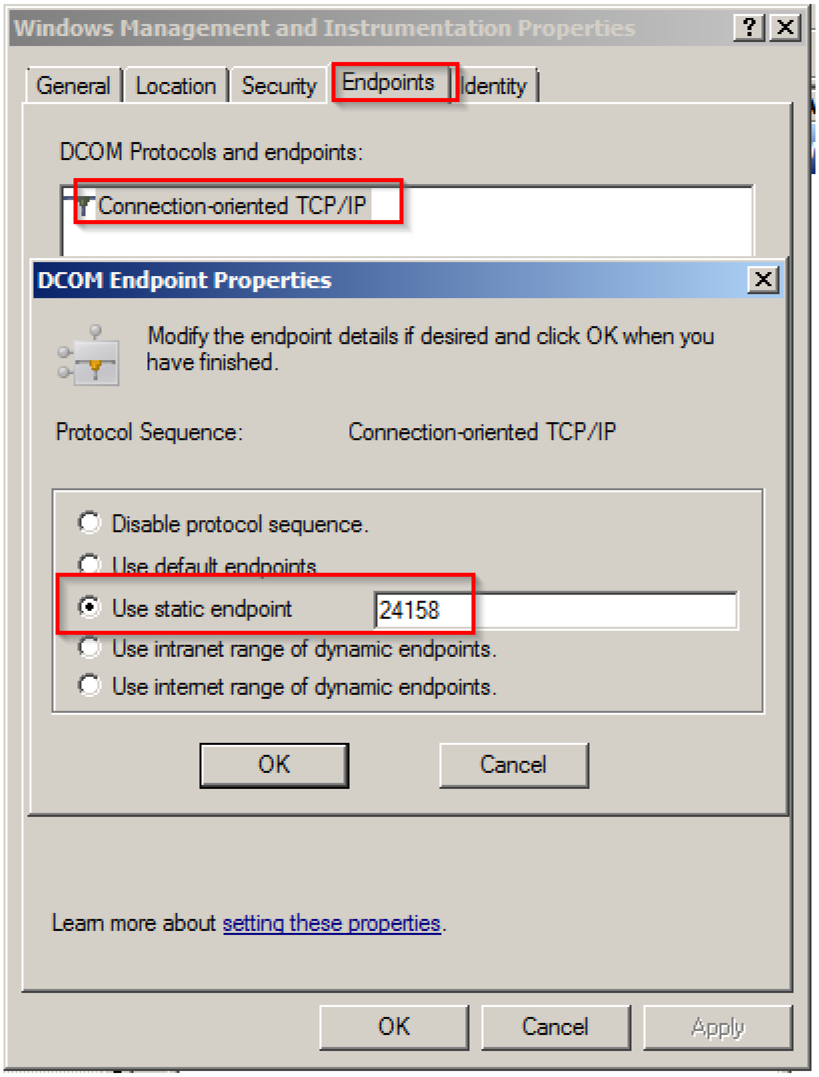
`Download script for port allocation setup`

Determining Port for Endpoint

Launch DCOMCNFG.EXE and follow the instructions below.



Opens a new window rooted at this node.


Windows Management and Instrumentation Properties
General
Location
Security
Endpoints
Identity
DCOM Endpoint Properties
OK
Cancel
Learn more about setting these properties.
OK
Cancel
Apply

DCOM Protocols and endpoints:

Connection-oriented TCP/IP

Modify the endpoint details if desired and click OK when you have finished.

Protocol Sequence: Connection-oriented TCP/IP

○ Disable protocol sequence.
○ Use default endpoints
● Use static endpoint 24158
○ Use intranet range of dynamic endpoints.
○ Use internet range of dynamic endpoints.

Changing WMI Mode

Please click here in order to get access to the detailed tutorial and follow the instructions on the website.

Restart

Please restart the system.

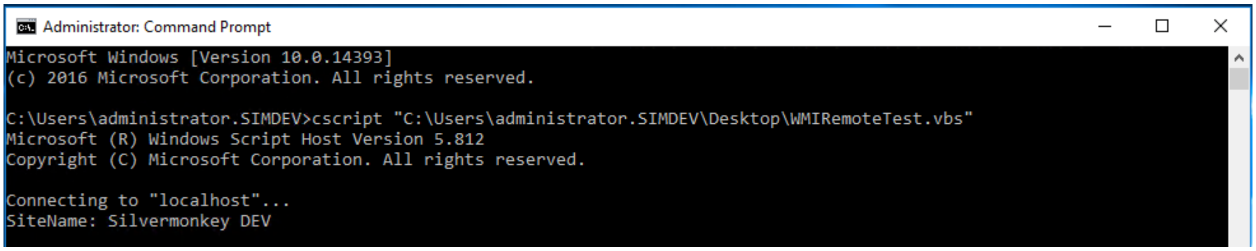
Test Script

Type in your IP/user/password in the script below.

`Download test script`

Note: Due to eventually blocked Kerberos ports, some DNS names might not work. In this case, please use the IP adress of the target system only.

Expected return value (the site display name has to be displayed):



```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\administrator.SIMDEV>cscript "C:\Users\administrator.SIMDEV\Desktop\WMIRemoteTest.vbs"
Microsoft (R) Windows Script Host Version 5.812
Copyright (C) Microsoft Corporation. All rights reserved.

Connecting to "localhost"...
SiteName: Silvermonkey DEV
```

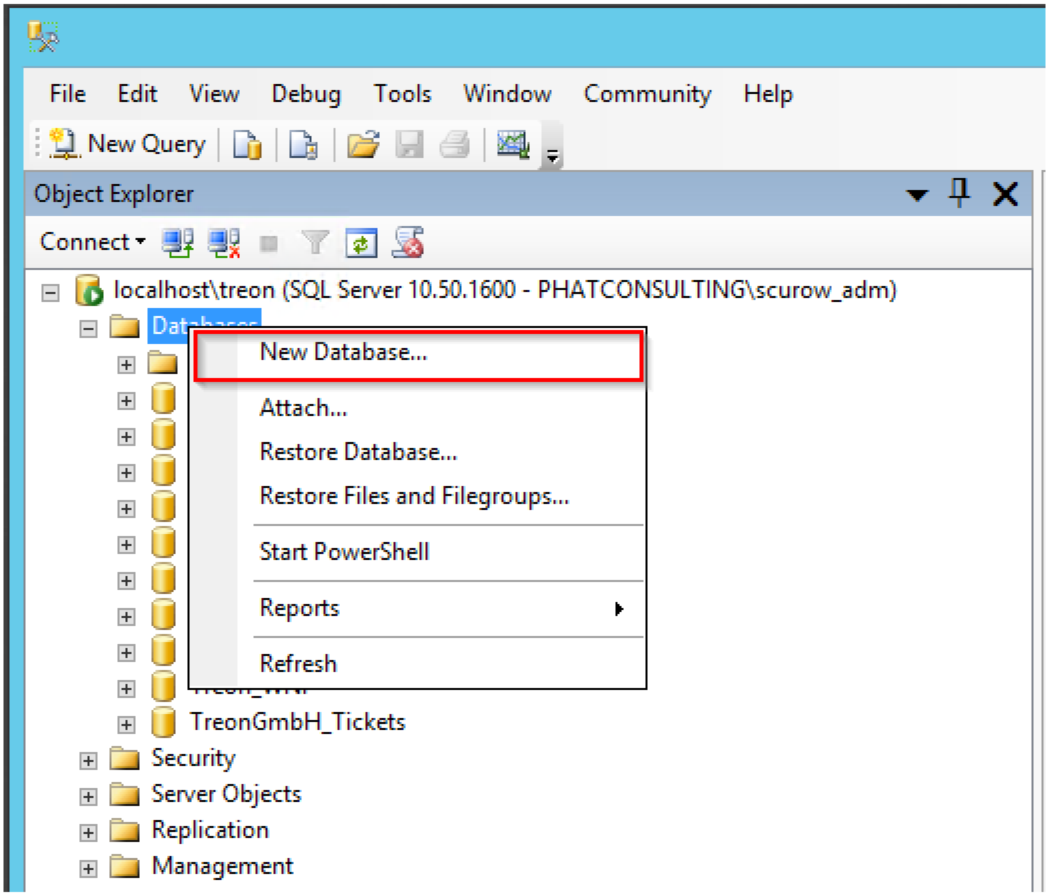
1.4.4 KB00004 - Restoring SIM Database

In this article:

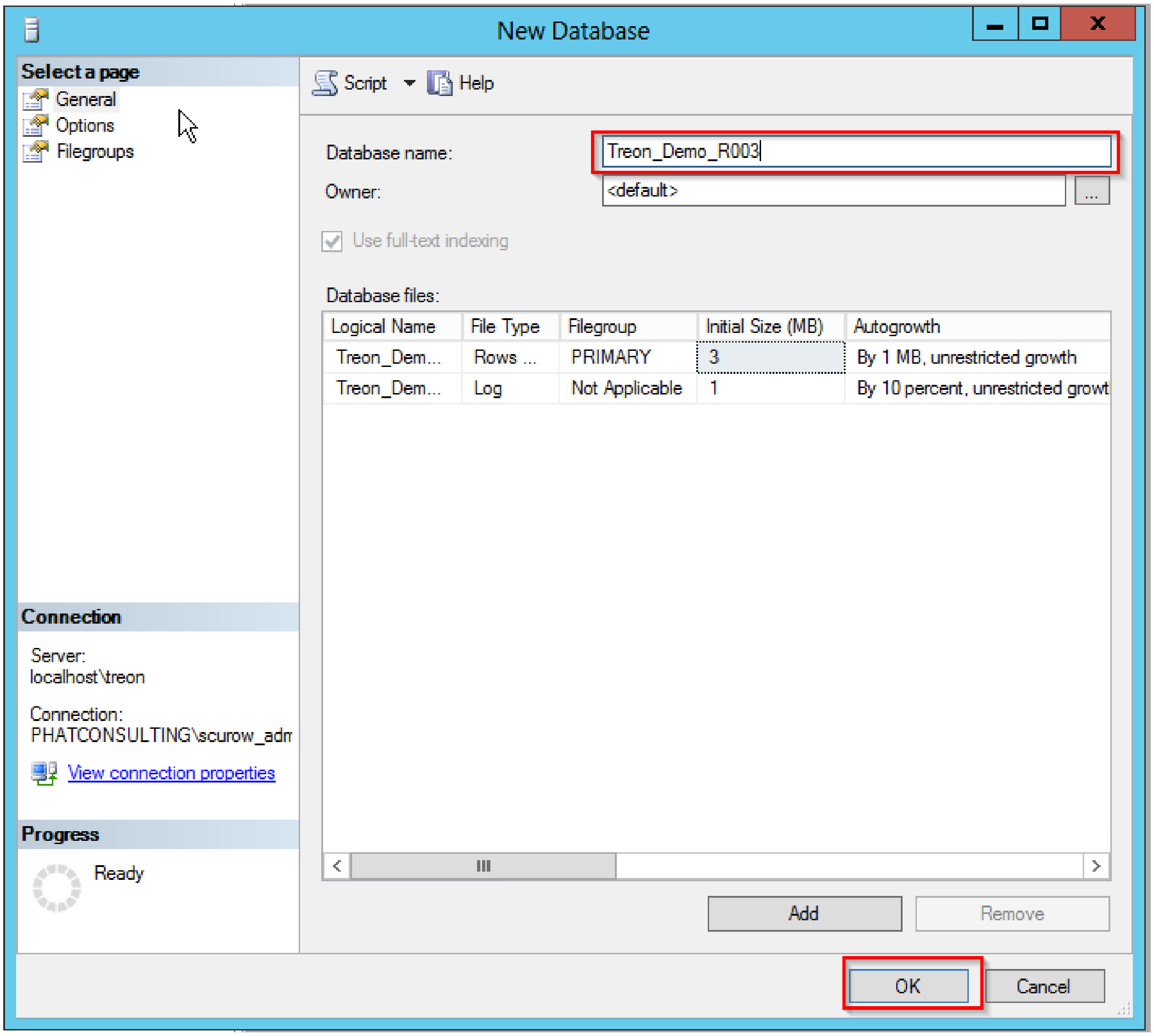
- *Creating a New Database*
- *Running Script*

Creating a New Database

Connect to your SQL Server via SQL Management Studio and create a new Database:



In the following dialogue, choose a database name that fits your naming convention. Click the 'OK'-button.



Database name: Treon_Demo_R003

Owner: <default>

☑ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth
Treon_Dem...	Rows ...	PRIMARY	3	By 1 MB, unrestricted growth
Treon_Dem...	Log	Not Applicable	1	By 10 percent, unrestricted growt

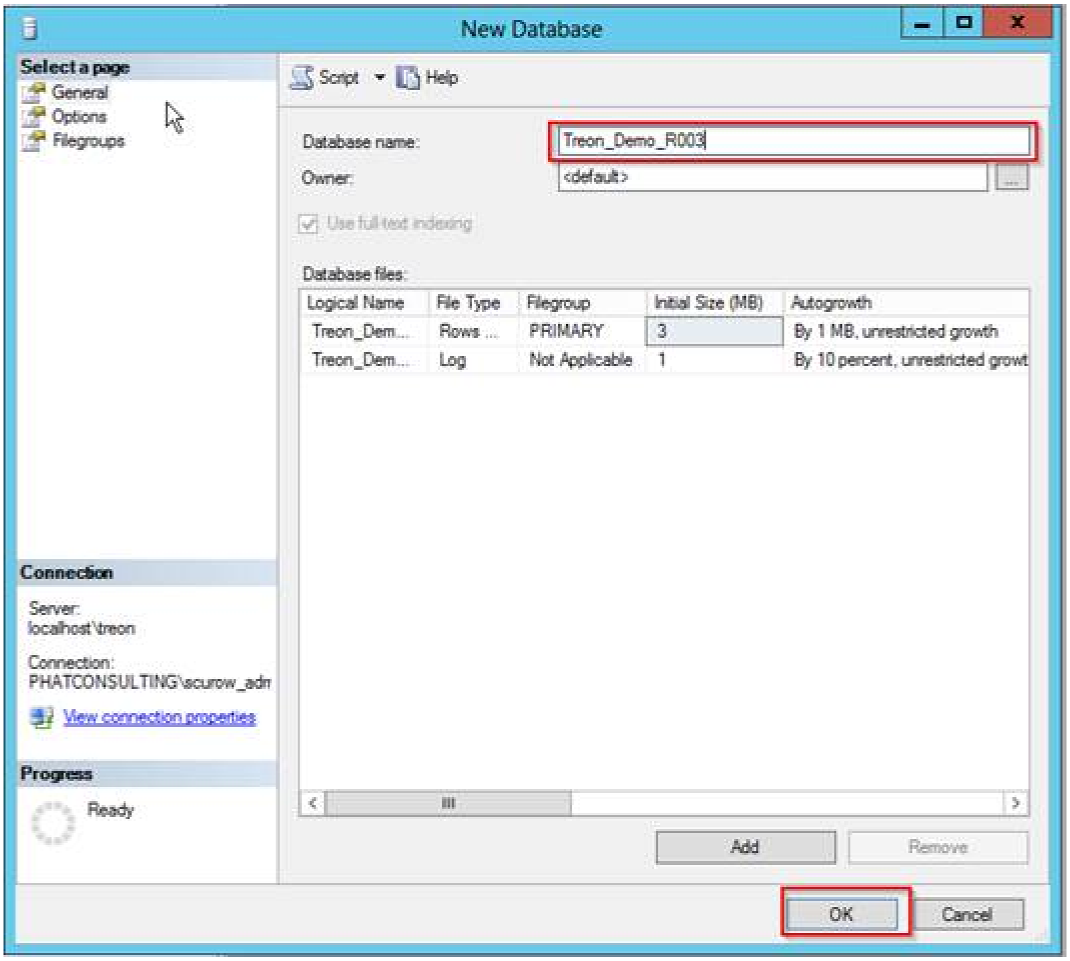
Server:
localhost\treon

Connection:
PHATCONSULTING\scurow_adm

Then give authorization following the installation guide.

Running Script

Choose 'New Query':



Database name: Treon_Demo_R003

Owner: <default>

☑ Use full-text indexing

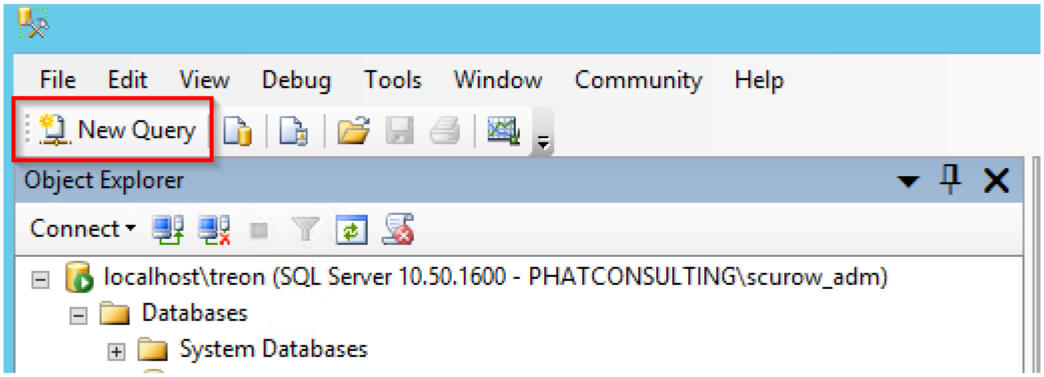
Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth
Treon_Dem...	Rows ...	PRIMARY	3	By 1 MB, unrestricted growth
Treon_Dem...	Log	Not Applicable	1	By 10 percent, unrestricted growt

Server:
localhost\treon

Connection:
PHATCONSULTING\scurow_adr

Copy the content of the SQL backup file that is part of the installation package and paste it into the new query window. Replace the name of the database in the 'USE {DATABASE NAME}' part of the query with the name of the database you just created.



localhost\treon (SQL Server 10.50.1600 - PHATCONSULTING\scurow_adm)
Databases
System Databases

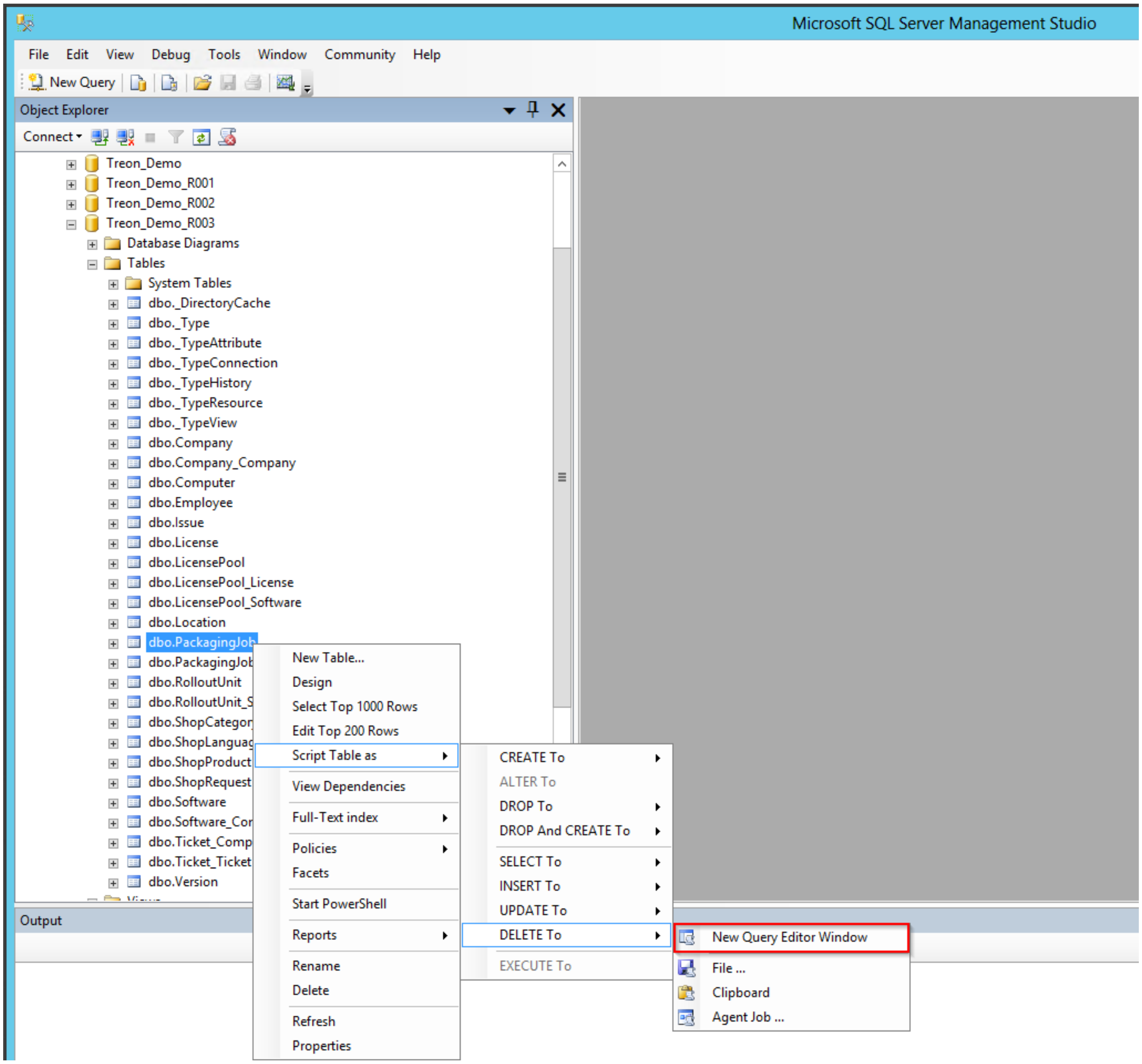
After (!) this click the 'Execute' button.

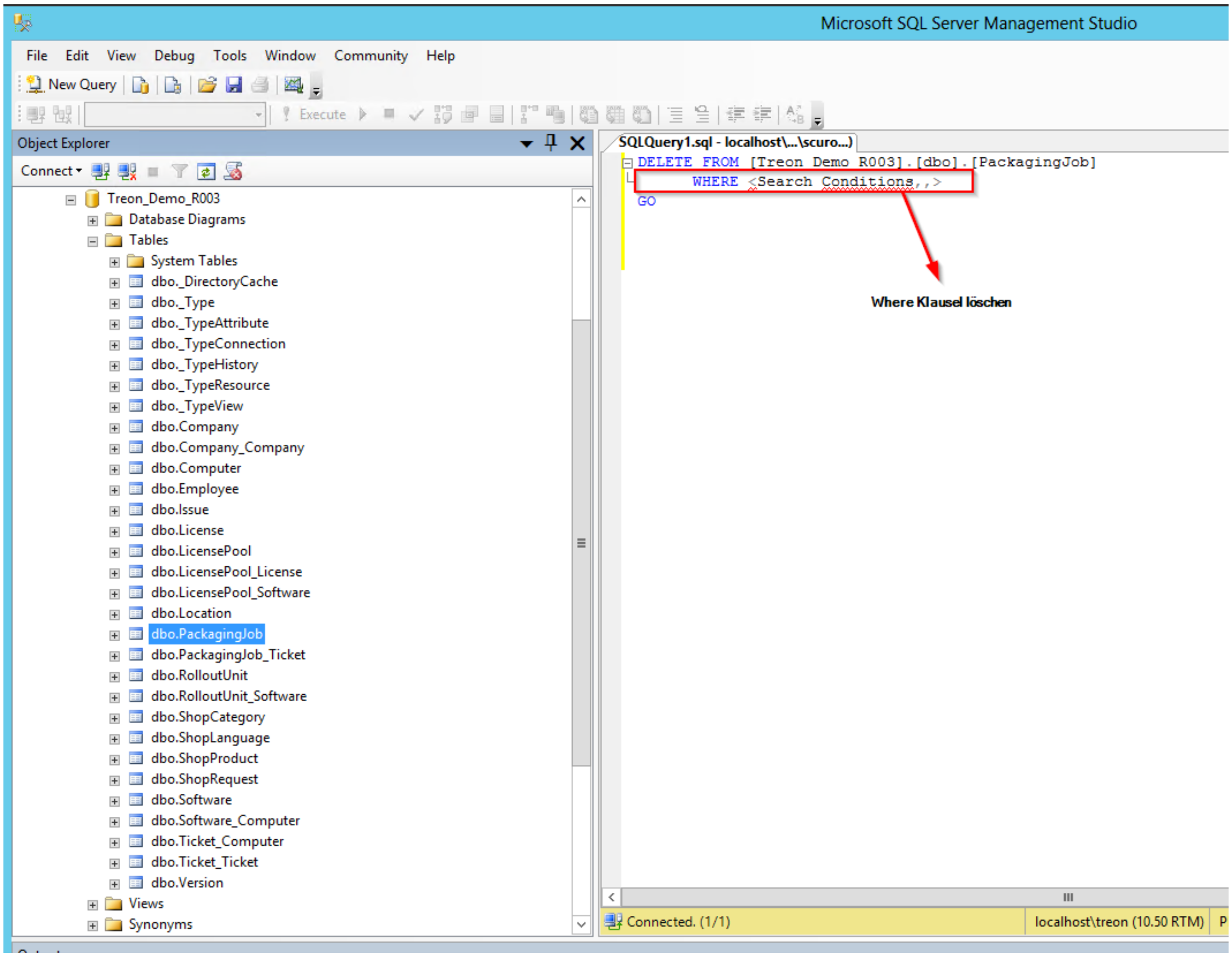
You have successfully restored the SIM Database!

1.4.5 KB00005 - Resetting SIM Packaging Jobs

In this article:

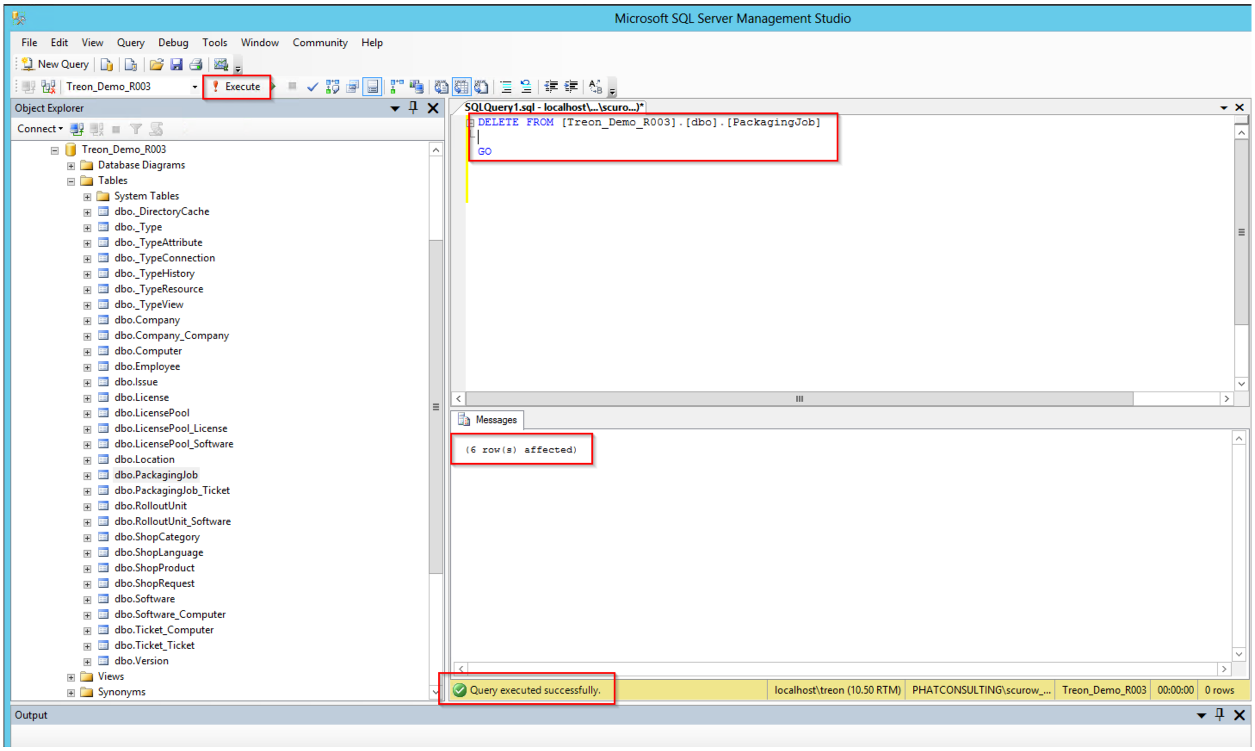
Erasing the Table of Packaging Jobs





```
DELETE FROM [Treon Demo R003].[dbo].[PackagingJob]
      WHERE <Search Conditions,,>
GO
```

Where Klausel löschen



```
DELETE FROM [Treon_Demo_R003].[dbo].[PackagingJob]

GO
```

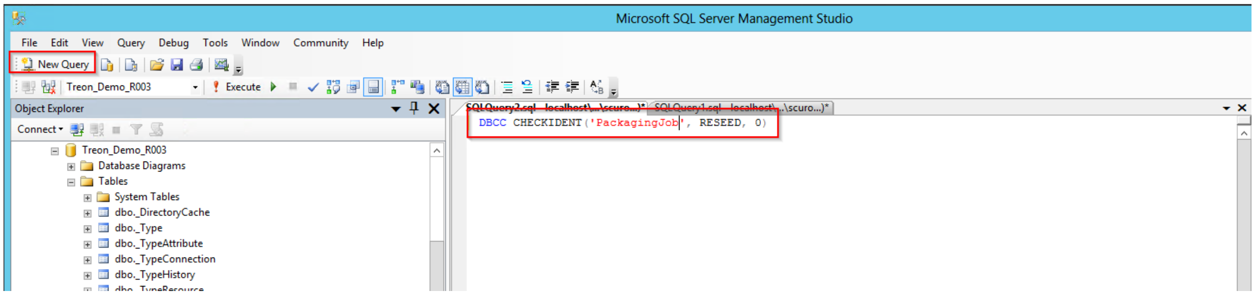
```
(6 row(s) affected)
```

Query executed successfully. | localhost\treon (10.50 RTM) | PHATCONSULTING\scurow_... | Treon_Demo_R003 | 00:00:00 | 0 rows

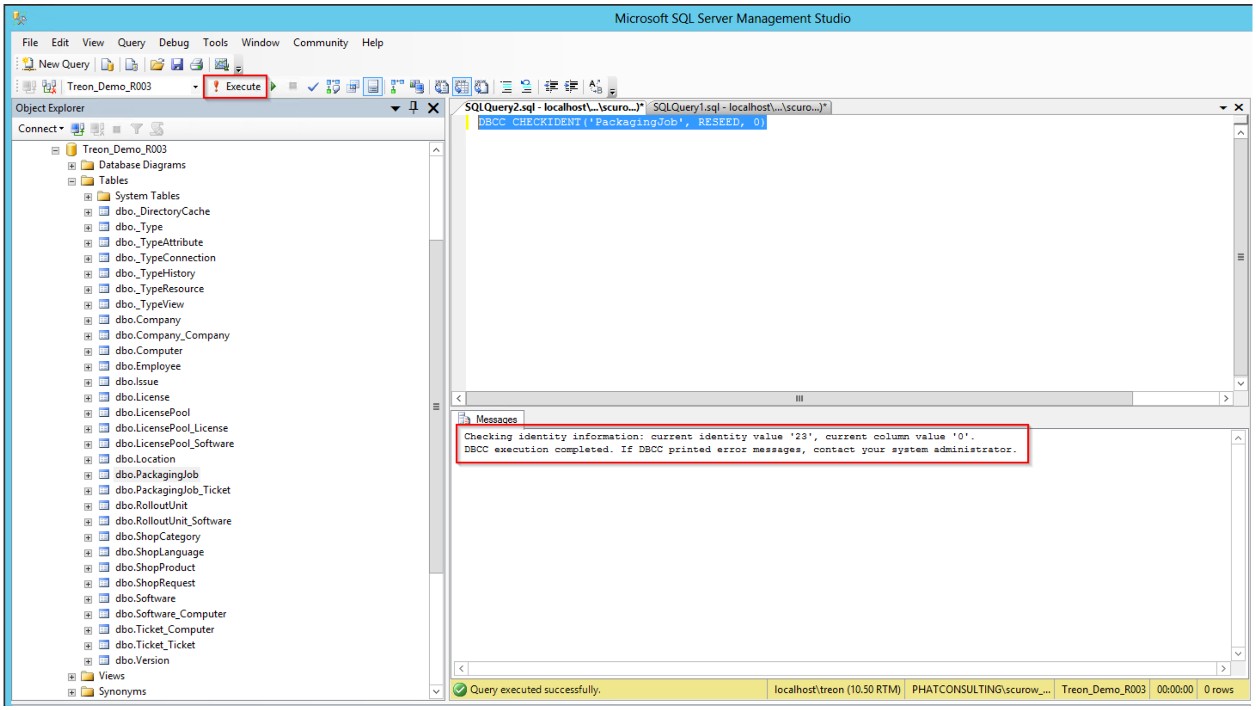
Resetting Identity

Excecute the following command in order to make the database start the new packaging jobs with the ID number 1.

"DBCC CHECKIDENT('PackagingJob', RESEED, 0)" (**without** quotation marks).



```
DBCC CHECKIDENT('PackagingJob', RESEED, 0)
```



```
DBCC CHECKIDENT('PackagingJob', RESEED, 0)
```

```
Checking identity information: current identity value '23', current column value '0'.
DBCC execution completed. If DBCC printed error messages, contact your system administrator.
```

Query executed successfully. | localhost\treon (10.50 RTM) | PHATCONSULTING\scurow_... | Treon_Demo_R003 | 00:00:00 | 0 rows

1.4.6 KB00006 - Establishing SCCM FolderID

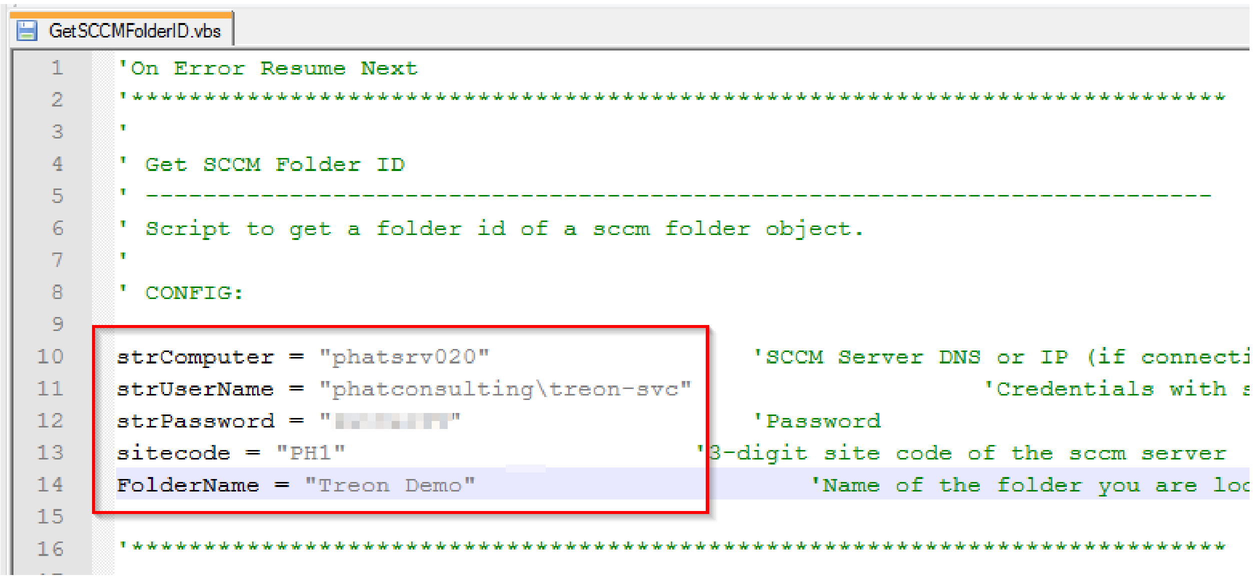
In this article:

- *Script Configuration*
- *Starting the Script*

Script Configuration

`Get SCCM FolderID - Script.`

A filled in form should be displayed similar to the image below:

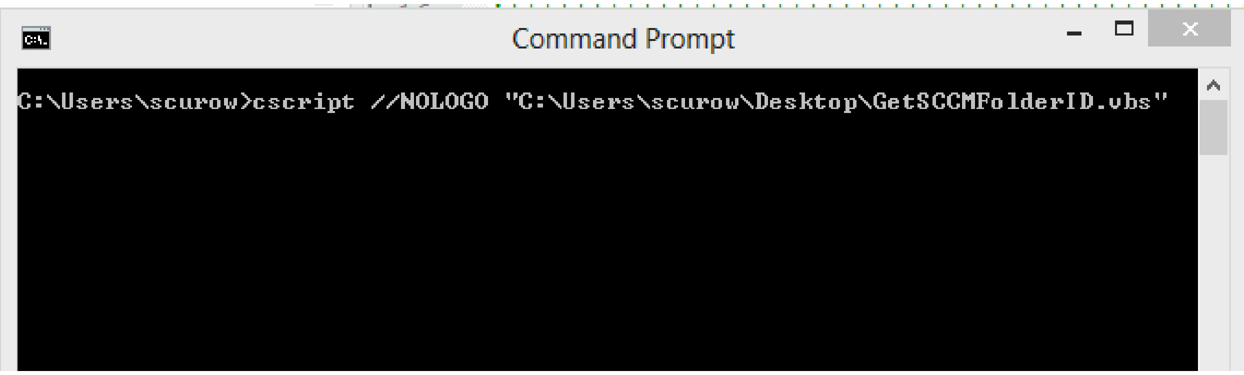


GetSCCMFolderID.vbs

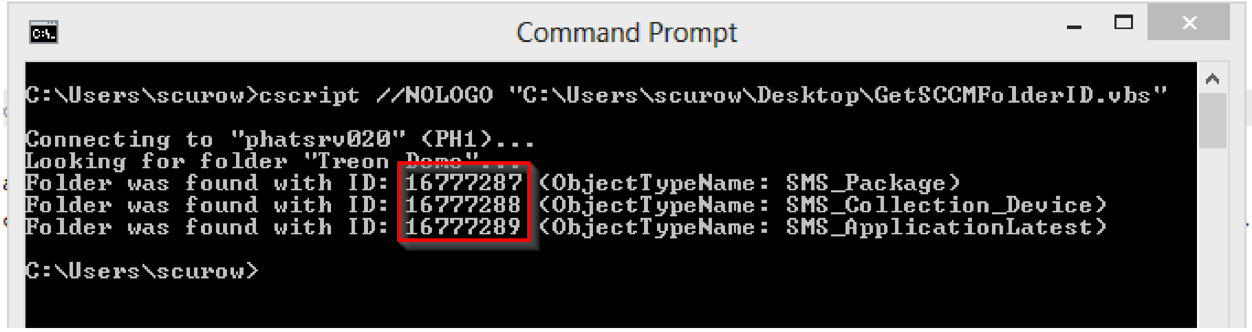
```
'On Error Resume Next
'*****************************************************************************
'
' Get SCCM Folder ID
' ---------------------------------------------------------------------------
' Script to get a folder id of a sccm folder object.
'
' CONFIG:

strComputer = "phatsrv020"                    'SCCM Server DNS or IP (if connecti
strUserName = "phatconsulting\treon-svc"                 'Credentials with s
strPassword = "[redacted]"                    'Password
sitecode = "PH1"                             '3-digit site code of the sccm server
FolderName = "Treon Demo"                         'Name of the folder you are loo

'*****************************************************************************
```

Starting the Script

Open cmd.exe and read out the ID as shown in the red box below.



```
C:\Users\scurow>cscript //NOLOGO "C:\Users\scurow\Desktop\GetSCCMFolderID.vbs"
```



```
C:\Users\scurow>cscript //NOLOGO "C:\Users\scurow\Desktop\GetSCCMFolderID.vbs"

Connecting to "phatsrv020" (PH1)...
Looking for folder "Treon Demo"...
Folder was found with ID: 16777287 (ObjectTypeName: SMS_Package)
Folder was found with ID: 16777288 (ObjectTypeName: SMS_Collection_Device)
Folder was found with ID: 16777289 (ObjectTypeName: SMS_ApplicationLatest)

C:\Users\scurow>
```

1.4.7 KB00007 - Creating an IIS Website for Silver Monkey

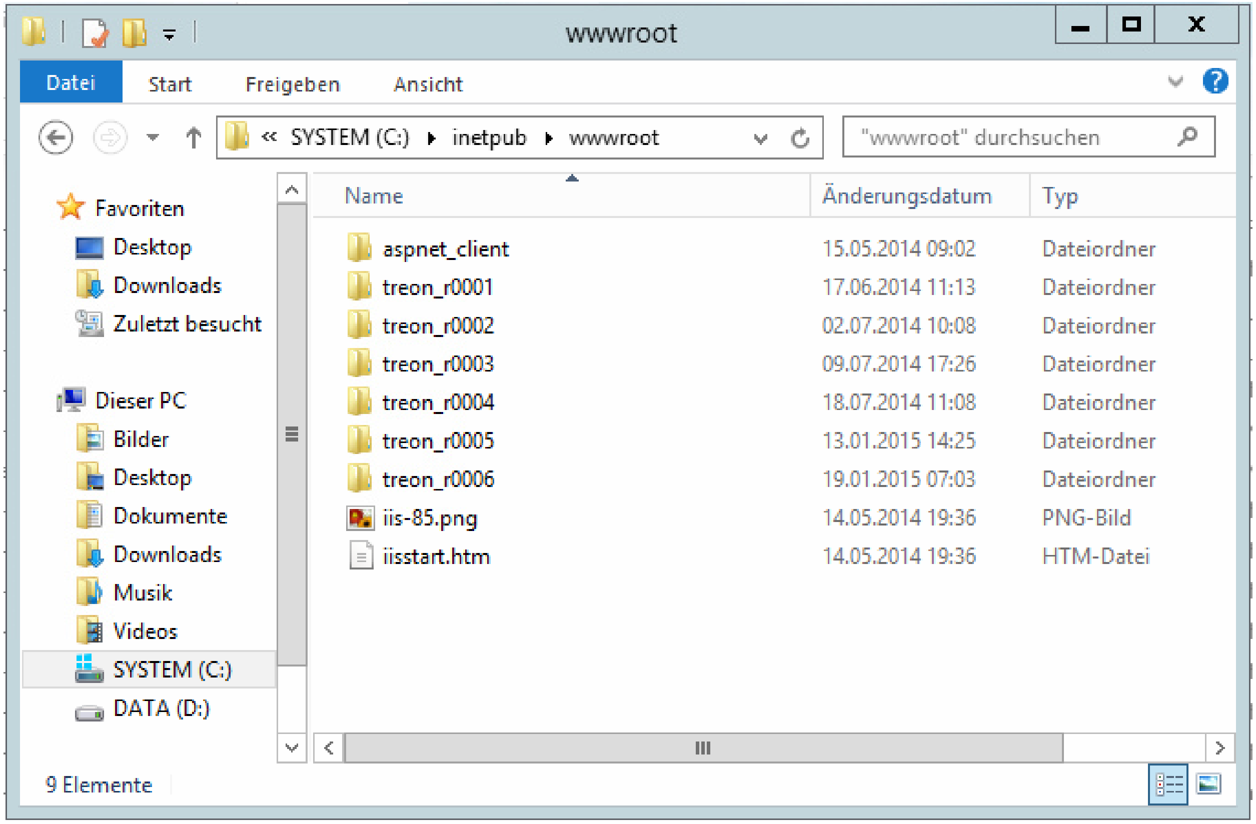
In this article:

Copying Files to Inetpub

Create a new folder in

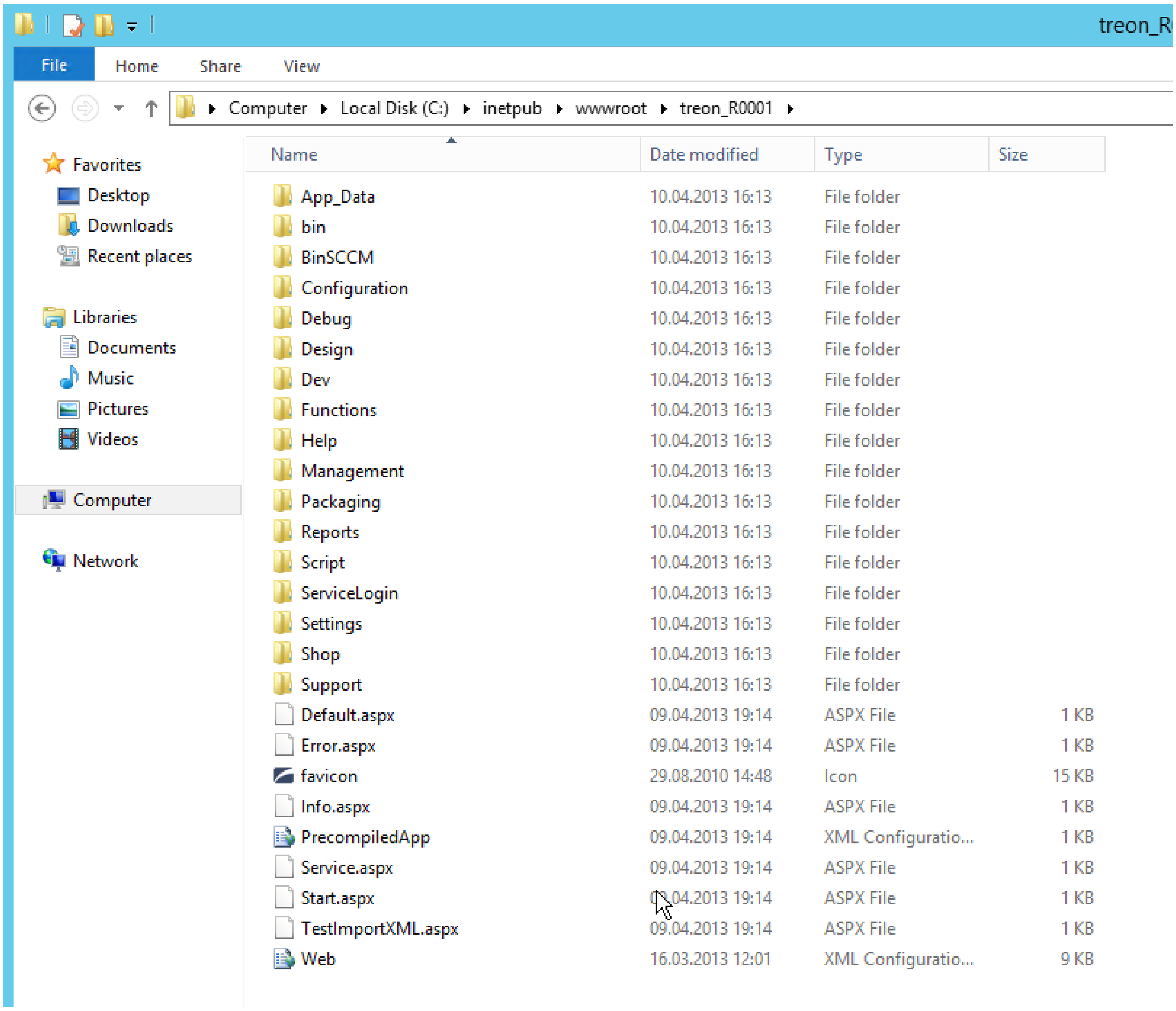
```
C:\inetpub\wwwroot\
```

Please be sure to name your file with rising numbers following the name convention **"treon_R****"** if a Silver Monkey website already exists (see image below).



Name	Änderungsdatum	Typ
aspnet_client	15.05.2014 09:02	Dateiordner
treon_r0001	17.06.2014 11:13	Dateiordner
treon_r0002	02.07.2014 10:08	Dateiordner
treon_r0003	09.07.2014 17:26	Dateiordner
treon_r0004	18.07.2014 11:08	Dateiordner
treon_r0005	13.01.2015 14:25	Dateiordner
treon_r0006	19.01.2015 07:03	Dateiordner
iis-85.png	14.05.2014 19:36	PNG-Bild
iisstart.htm	14.05.2014 19:36	HTM-Datei

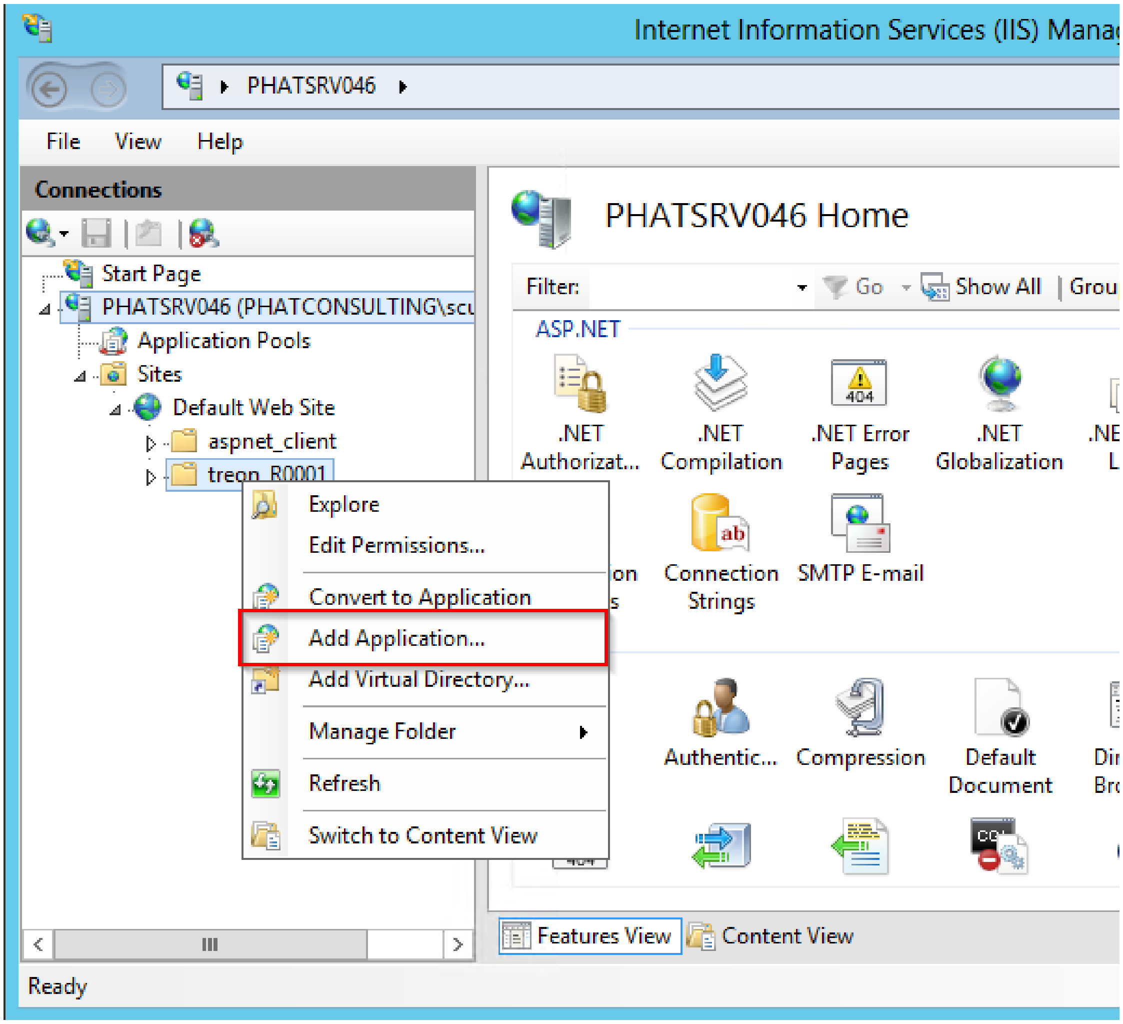
Now, move the content of the Silver Monkey installation file to the folder you just created.



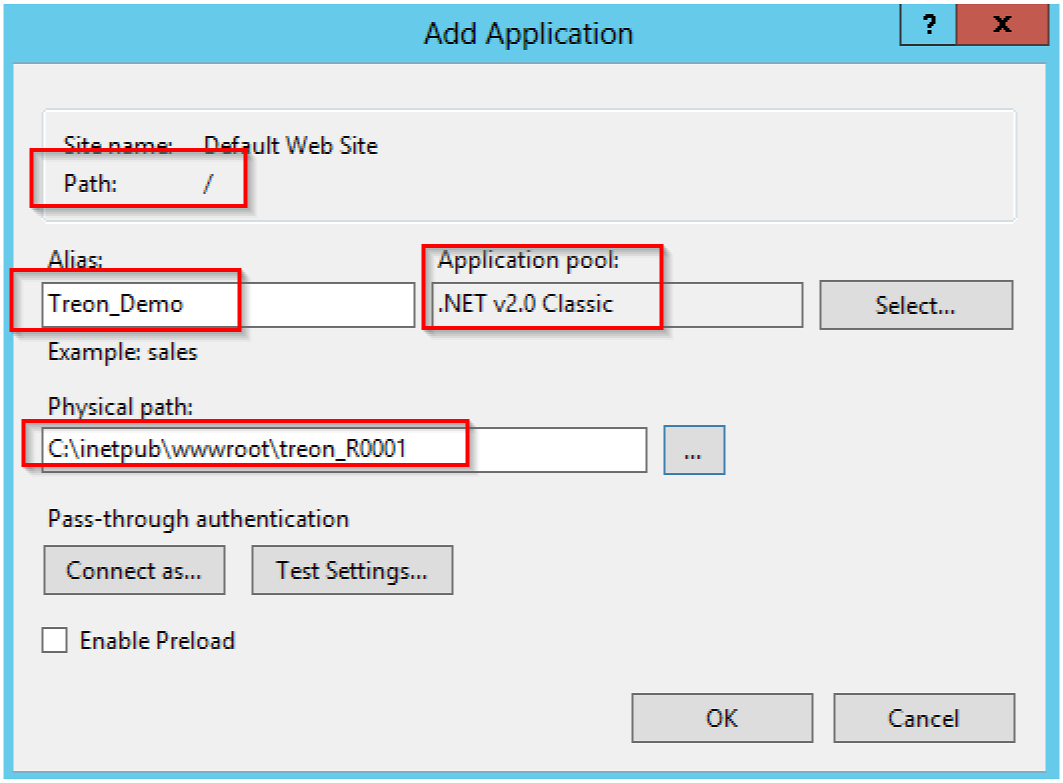
Name	Date modified	Type	Size
App_Data	10.04.2013 16:13	File folder	
bin	10.04.2013 16:13	File folder	
BinSCCM	10.04.2013 16:13	File folder	
Configuration	10.04.2013 16:13	File folder	
Debug	10.04.2013 16:13	File folder	
Design	10.04.2013 16:13	File folder	
Dev	10.04.2013 16:13	File folder	
Functions	10.04.2013 16:13	File folder	
Help	10.04.2013 16:13	File folder	
Management	10.04.2013 16:13	File folder	
Packaging	10.04.2013 16:13	File folder	
Reports	10.04.2013 16:13	File folder	
Script	10.04.2013 16:13	File folder	
ServiceLogin	10.04.2013 16:13	File folder	
Settings	10.04.2013 16:13	File folder	
Shop	10.04.2013 16:13	File folder	
Support	10.04.2013 16:13	File folder	
Default.aspx	09.04.2013 19:14	ASPX File	1 KB
Error.aspx	09.04.2013 19:14	ASPX File	1 KB
favicon	29.08.2010 14:48	Icon	15 KB
Info.aspx	09.04.2013 19:14	ASPX File	1 KB
PrecompiledApp	09.04.2013 19:14	XML Configuratio...	1 KB
Service.aspx	09.04.2013 19:14	ASPX File	1 KB
Start.aspx	09.04.2013 19:14	ASPX File	1 KB
TestImportXML.aspx	09.04.2013 19:14	ASPX File	1 KB
Web	16.03.2013 12:01	XML Configuratio...	9 KB

Creating an Application

Please start MMC for IIS (Microsoft Internet Information Services). Right click on the folder and select “Add Application”.



Fill in the fields displayed. The field named “Alias” should be filled with “Treon_R0001”.



Site name: Default Web Site
Path: /

Alias: Treon_Demo
Example: sales

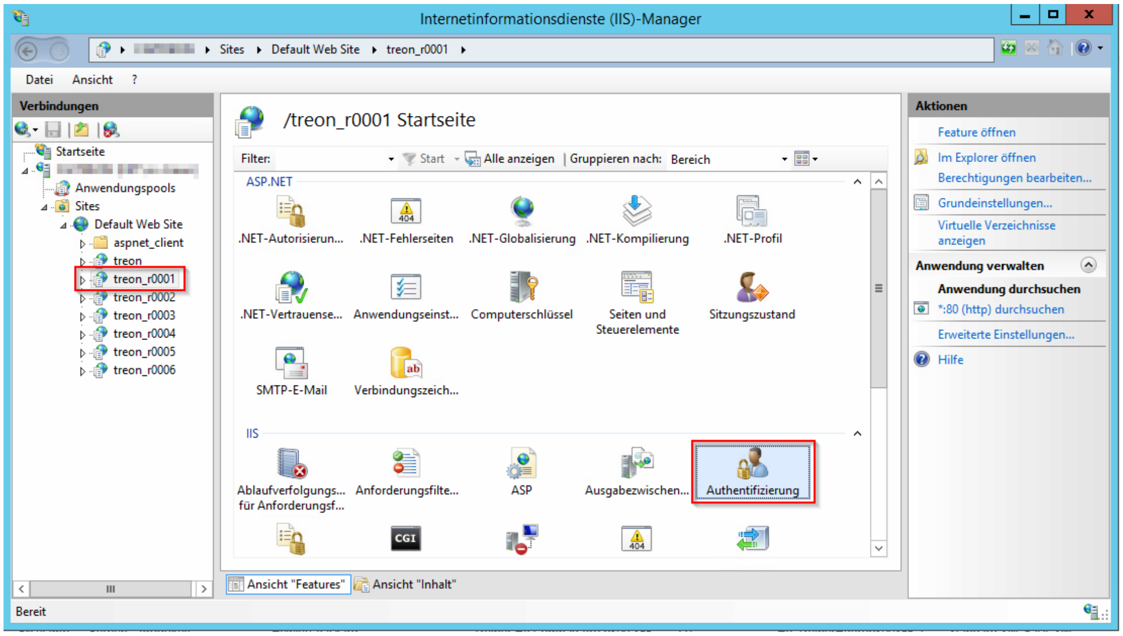
Application pool: .NET v2.0 Classic

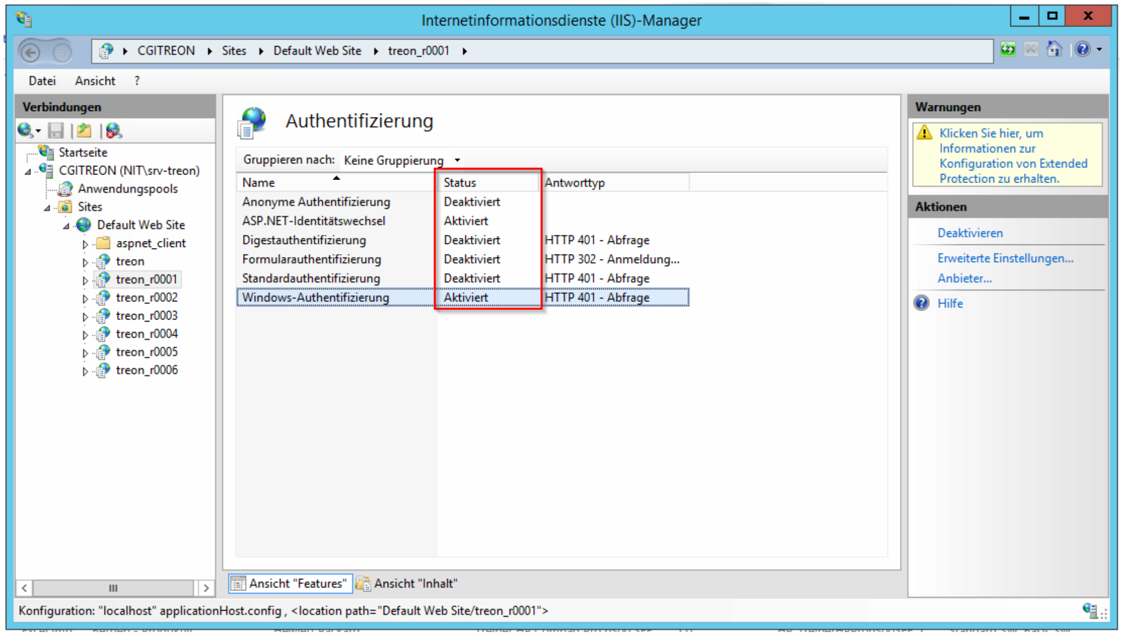
Physical path: C:\inetpub\wwwroot\treon_R0001

□ Enable Preload

Note: Please choose the application pool named *"Treon"* or *"SIM"* if it exists.

In the next step, please authenticate the application by activating its authentication for Windows.





Gruppieren nach: Keine Gruppierung

Name	Status	Antworttyp
Anonyme Authentifizierung	Deaktiviert	
ASP.NET-Identitätswechsel	Aktiviert	
Digestauthentifizierung	Deaktiviert	HTTP 401 - Abfrage
Formularauthentifizierung	Deaktiviert	HTTP 302 - Anmeldung...
Standardauthentifizierung	Deaktiviert	HTTP 401 - Abfrage
Windows-Authentifizierung	Aktiviert	HTTP 401 - Abfrage

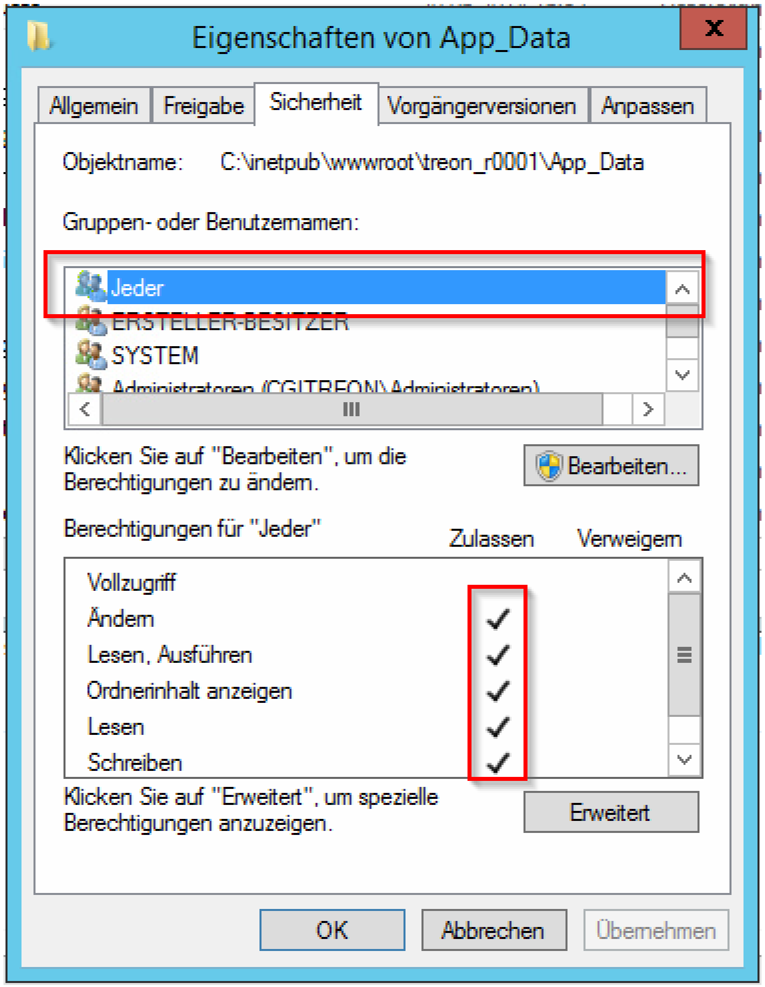
Klicken Sie hier, um Informationen zur Konfiguration von Extended Protection zu erhalten.

Konfiguration: "localhost" applicationHost.config , <location path="Default Web Site/treon_r0001">

Setting up Writing Permission for App_data

Writing permission can be set under

```
C:\inetpub\wwwroot\treonR0001\App_Data
```



Objektname: C:\inetpub\wwwroot\treon_r0001\App_Data

Gruppen- oder Benutzernamen:

- Jeder
- ERSTELLER-BESITZER
- SYSTEM
- Administratoren (CGITREON\Administratoren)

Klicken Sie auf "Bearbeiten", um die Berechtigungen zu ändern.

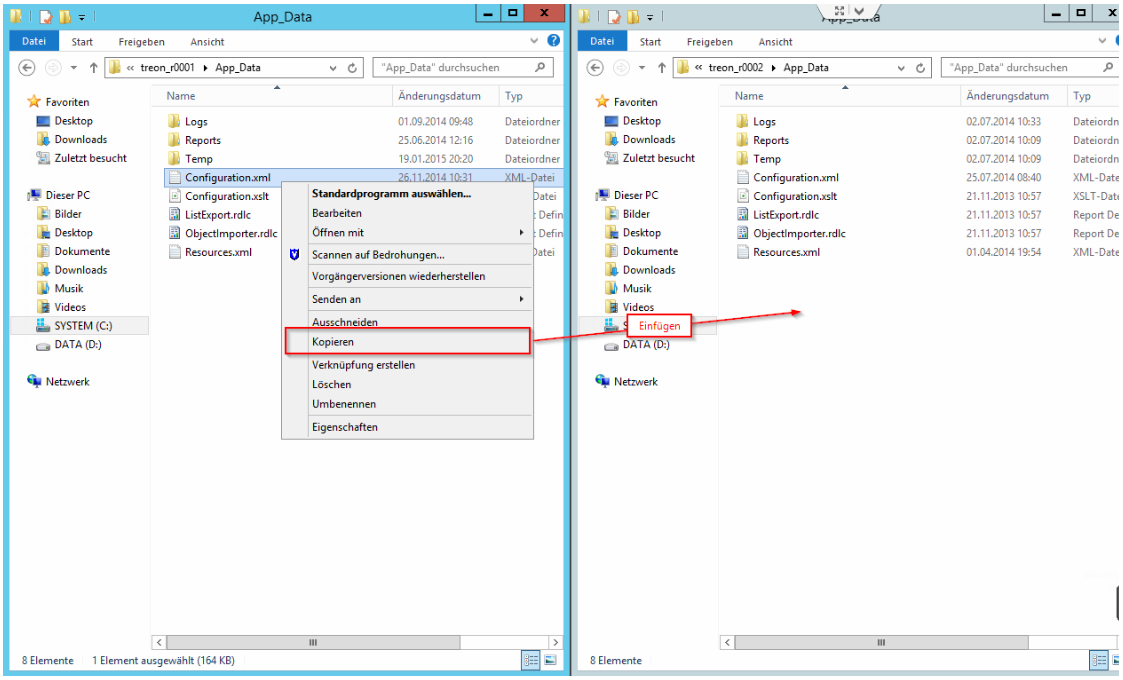
Berechtigungen für "Jeder"

	Zulassen	Verweigern
Vollzugriff		
Ändern	✓	
Lesen, Ausführen	✓	
Ordnerinhalt anzeigen	✓	
Lesen	✓	
Schreiben	✓	

Klicken Sie auf "Erweitert", um spezielle Berechtigungen anzuzeigen.

Inserting Configuration.xml

Please copy the file “configuration.xml” from the former website to the new one.



Name	Änderungsdatum	Typ
Logs	01.09.2014 09:48	Dateiordner
Reports	25.06.2014 12:16	Dateiordner
Temp	19.01.2015 20:20	Dateiordner
Configuration.xml	26.11.2014 10:31	XML-Datei
Configuration.xslt		Datei
ListExport.rdlc		Defin
ObjectImporter.rdlc		Defin
Resources.xml		Datei

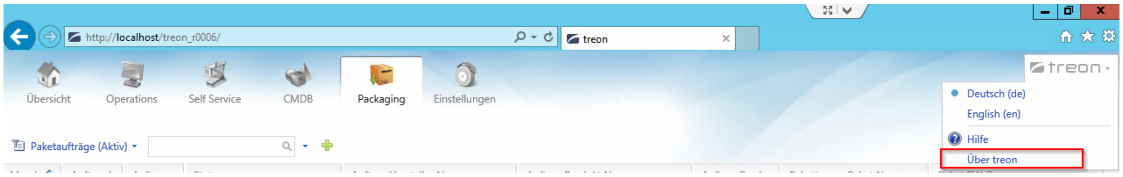
Name	Änderungsdatum	Typ
Logs	02.07.2014 10:33	Dateiordn
Reports	02.07.2014 10:09	Dateiordn
Temp	02.07.2014 10:09	Dateiordn
Configuration.xml	25.07.2014 08:40	XML-Date
Configuration.xslt	21.11.2013 10:57	XSLT-Date
ListExport.rdlc	21.11.2013 10:57	Report De
ObjectImporter.rdlc	21.11.2013 10:57	Report De
Resources.xml	01.04.2014 19:54	XML-Date

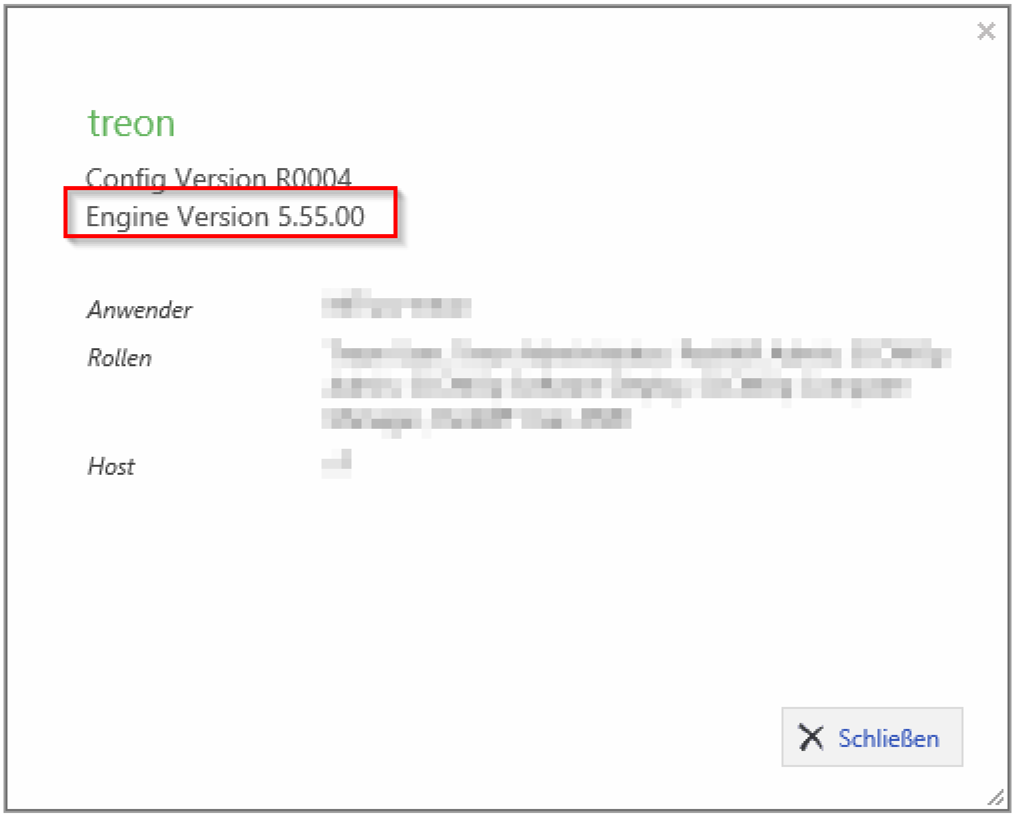
Testing your Website

Note: In case of a disabled Single Sign On, please restart Internet Explorer **before** restarting the whole server.

Open Internet explorer, then go to "http://SERVERNAME/Treon_R0001" .

Check your website version as follows:





treon

Config Version R0004

Engine Version 5.55.00

Anwender [redacted]

Rollen [redacted]

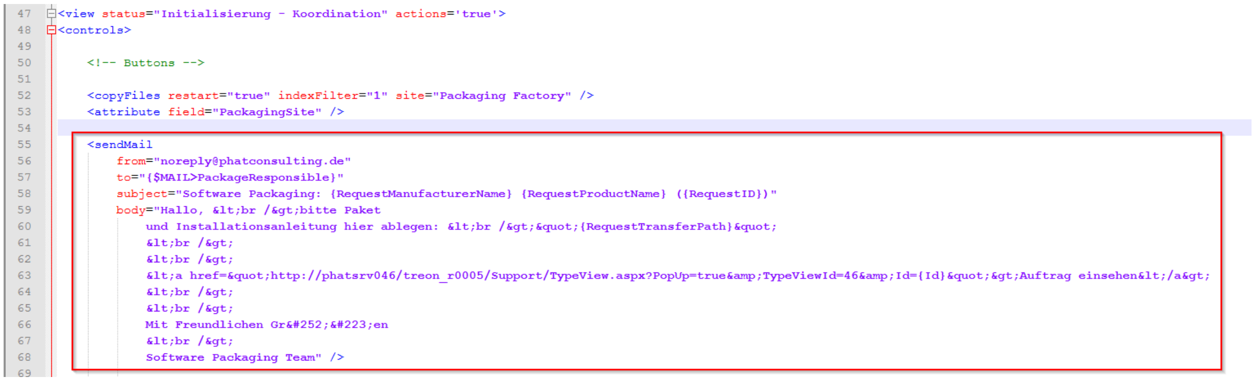
Host [redacted]

1.4.8 KB00008 - Sending an Email in PackWF at the Push of a Button

In this article:

- *XML Format*

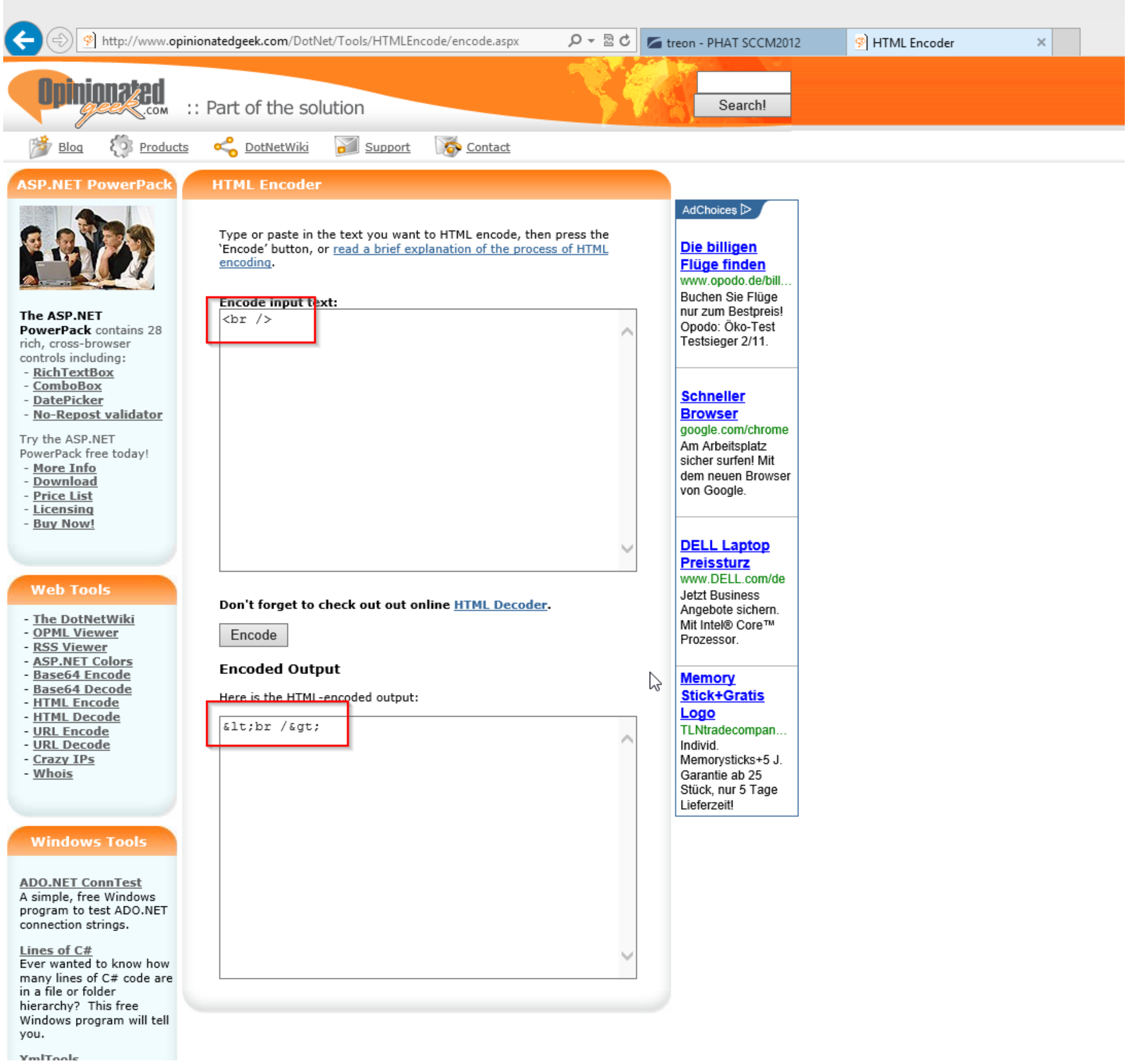
XML Format



```
<view status="Initialisierung - Koordination" actions='true'>
<controls>

    <!-- Buttons -->

    <copyFiles restart="true" indexFilter="1" site="Packaging Factory" />
    <attribute field="PackagingSite" />

    <sendMail
        from="noreply@phatconsulting.de"
        to="{$MAIL>PackageResponsible}"
        subject="Software Packaging: {RequestManufacturerName} {RequestProductName} ({RequestID})"
        body="Hallo, &lt;br /&gt;bitte Paket
            und Installationsanleitung hier ablegen: &lt;br /&gt;&quot;{RequestTransferPath}&quot;
            &lt;br /&gt;
            &lt;br /&gt;
            &lt;a href=&quot;http://phatsrv046/treon_r0005/Support/TypeView.aspx?PopUp=true&amp;TypeViewId=46&amp;Id={Id}&quot;&gt;Auftrag einsehen&lt;/a&gt;
            &lt;br /&gt;
            &lt;br /&gt;
            Mit Freundlichen Gr&#252;&#223;en
            &lt;br /&gt;
            Software Packaging Team" />
```

```
<sendMail
  from="noreply@phatconsulting.de"
  to="{$MAIL>PackageResponsible}"
  subject="Software Packaging: {RequestManufacturerName} {RequestProductName} (
↪{RequestID})"
  body="Hallo, &lt;br /&gt;bitte Paket und Installationsanleitung hier ablegen:
              &lt;br /&gt;&quot;{RequestTransferPath}&quot;
              &lt;br /&gt;
              &lt;br /&gt;
              &lt;a href=&quot;http://phatsrv046/treon_r0005/Support/TypeView.aspx?
↪PopUp=true&amp;TypeViewId=46&amp;Id={Id}&quot;&gt;Auftrag einsehen&lt;/a&gt;
              &lt;br /&gt;
              &lt;br /&gt;
              Mit Freundlichen Gr&#252;&#223;en
              &lt;br /&gt;
              Software Packaging Team" />
```

If you would like to use HTML in the main body as shown in the example above, you will have to encode it. This website will facilitate your work as shown in the example below.



The ASP.NET PowerPack contains 28 rich, cross-browser controls including:
- RichTextBox
- ComboBox
- DatePicker
- No-Repost validator

Try the ASP.NET PowerPack free today!
- More Info
- Download
- Price List
- Licensing
- Buy Now!

ADO.NET ConnTest
A simple, free Windows program to test ADO.NET connection strings.

Lines of C#
Ever wanted to know how many lines of C# code are in a file or folder hierarchy? This free Windows program will tell you.

XmlTools

HTML Encoder

Type or paste in the text you want to HTML encode, then press the 'Encode' button, or read a brief explanation of the process of HTML encoding.

Encode input text:

```
<br />
```

Don't forget to check out out online HTML Decoder.

Encoded Output

Here is the HTML-encoded output:

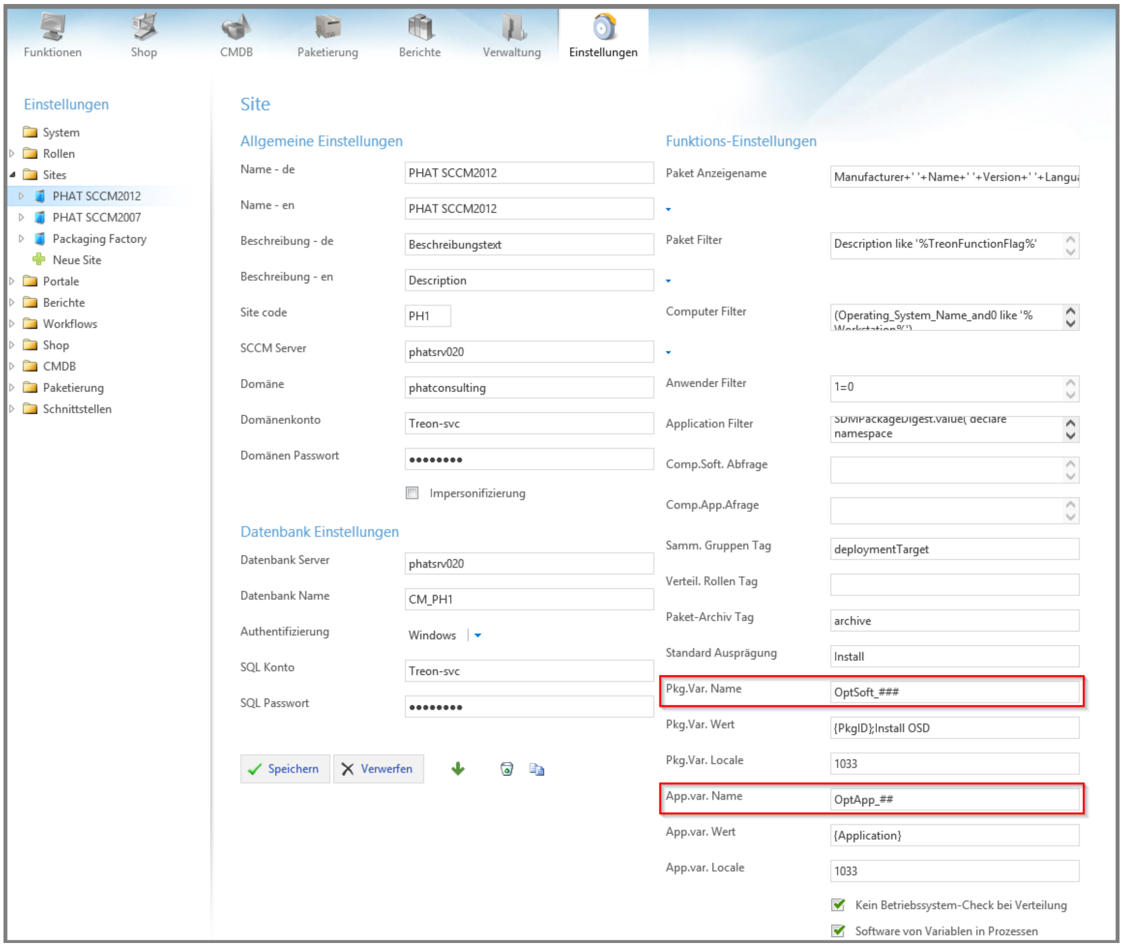
```
&lt;br /&gt;
```

1.4.9 KB00009 - Computer Refresh - AdminHowTo

In this article:

Preparing Settings

The prefix for packages and applications can be determined in the SCCM settings.



Site

Allgemeine Einstellungen

Name - de	PHAT SCCM2012
Name - en	PHAT SCCM2012
Beschreibung - de	Beschreibungstext
Beschreibung - en	Description
Site code	PH1
SCCM Server	phatsrv020
Domäne	phatconsulting
Domänenkonto	Treon-svc
Domänen Passwort	••••••••
	□ Impersonifizierung

Datenbank Einstellungen

Datenbank Server	phatsrv020
Datenbank Name	CM_PH1
Authentifizierung	Windows
SQL Konto	Treon-svc
SQL Passwort	••••••••

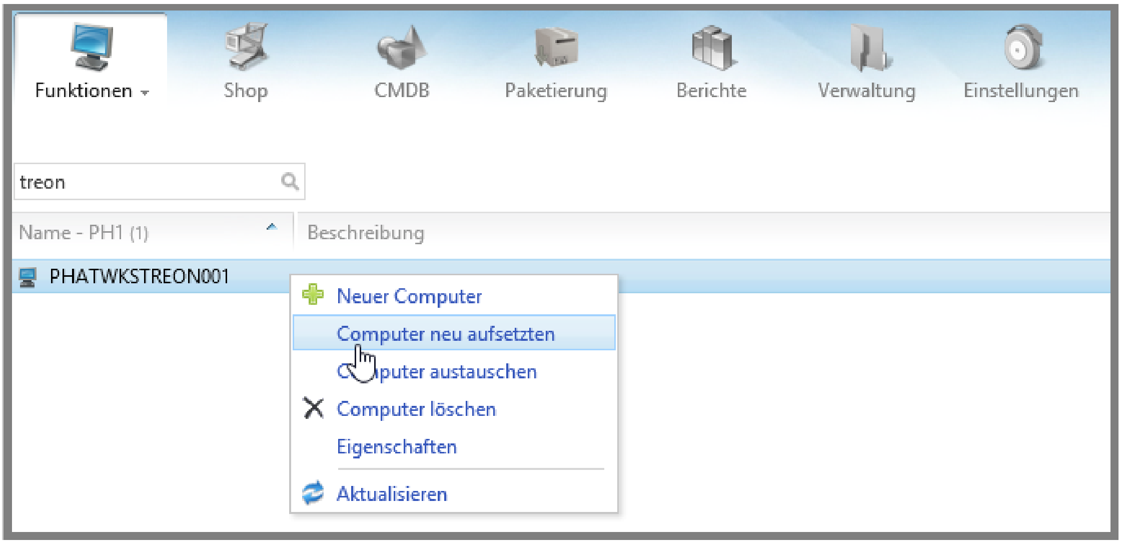
Funktions-Einstellungen

Paket Anzeigename	Manufacturer+' '+Name+' '+Version+' '+Langu
Paket Filter	Description like '%TreonFunctionFlag%'
Computer Filter	(Operating_System_Name_and0 like '%
Anwender Filter	1=0
Application Filter	SDMPackageDigest.value(declare namespace
Comp.Soft. Abfrage	
Comp.App.Afrage	
Samm. Gruppen Tag	deploymentTarget
Verteil. Rollen Tag	
Paket-Archiv Tag	archive
Standard Ausprägung	Install
Pkg.Var. Name	OptSoft_###
Pkg.Var. Wert	{PkgID};Install OSD
Pkg.Var. Locale	1033
App.var. Name	OptApp_##
App.var. Wert	{Application}
App.var. Locale	1033
	☑ Kein Betriebssystem-Check bei Verteilung
	☑ Software von Variablen in Prozessen

Note:

Packages support up to 999 variables. This is the reason why "###" is displayed.
Applications usually support up to 99 variables. This is why "##" is displayed in the coresponding field.

Refreshing your Computer - Examples

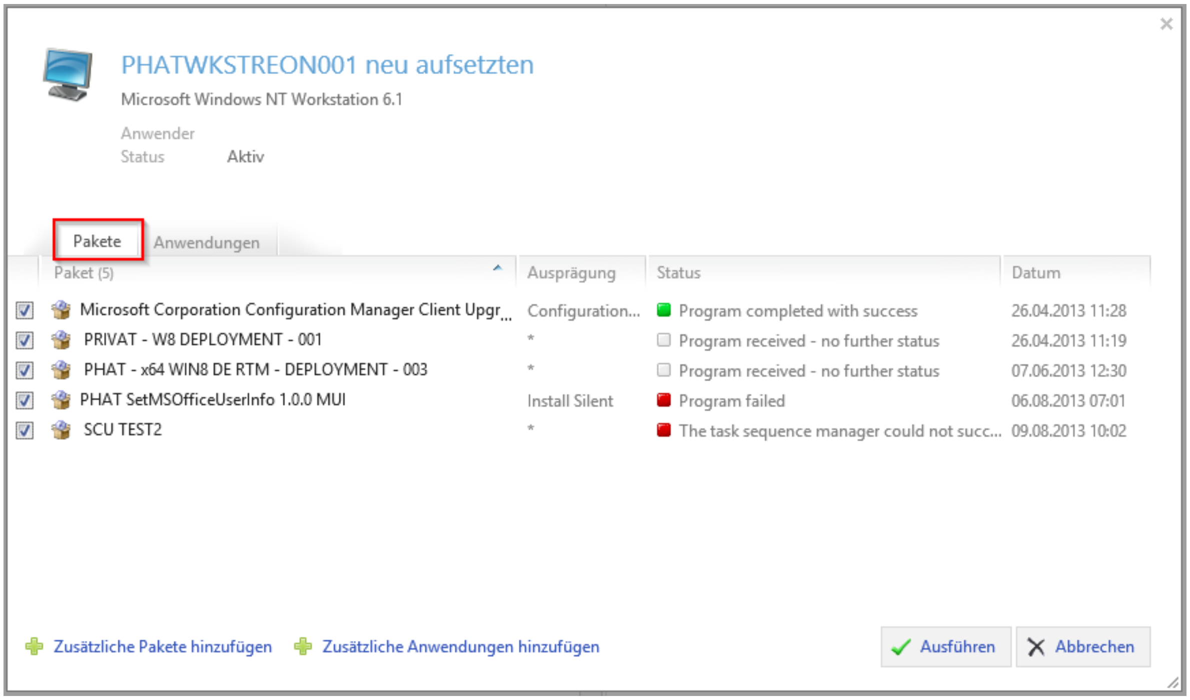


Under *"packages"* you will find all SCCM packages which either

- have been announced on the computer (status is directly read out of SCCM)

or

- have been resolved by the existing variable (packaging IDs are compared to live data in SCCM).



PHATWKSTREON001 neu aufsetzten

Microsoft Windows NT Workstation 6.1

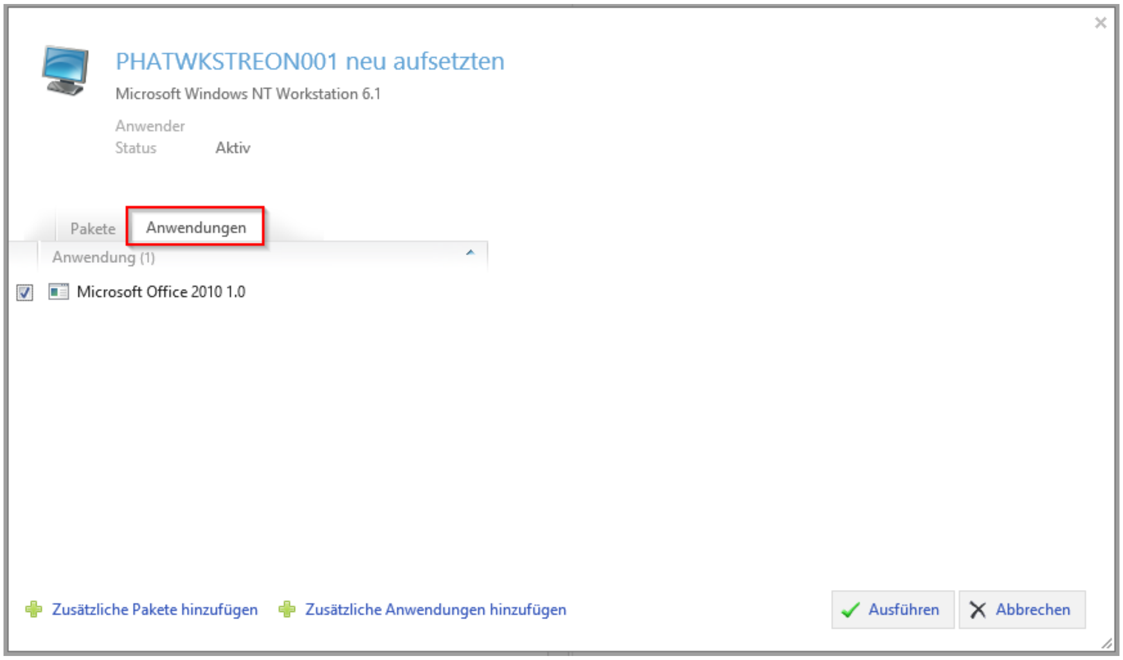
Anwender

Status Aktiv

	Paket (5)	Ausprägung	Status	Datum
☑	Microsoft Corporation Configuration Manager Client Upgr...	Configuration...	🟩 Program completed with success	26.04.2013 11:28
☑	PRIVAT - W8 DEPLOYMENT - 001	*	□ Program received - no further status	26.04.2013 11:19
☑	PHAT - x64 WIN8 DE RTM - DEPLOYMENT - 003	*	□ Program received - no further status	07.06.2013 12:30
☑	PHAT SetMSOfficeUserInfo 1.0.0 MUI	Install Silent	🟥 Program failed	06.08.2013 07:01
☑	SCU TEST2	*	🟥 The task sequence manager could not succ...	09.08.2013 10:02

Zusätzliche Pakete hinzufügen
Zusätzliche Anwendungen hinzufügen
Ausführen
Abbrechen

SCCM applications which are displayed under *"Applications"* are displayed in the same way as SCCM packages.



PHATWKSTREON001 neu aufsetzten

Microsoft Windows NT Workstation 6.1

Anwender

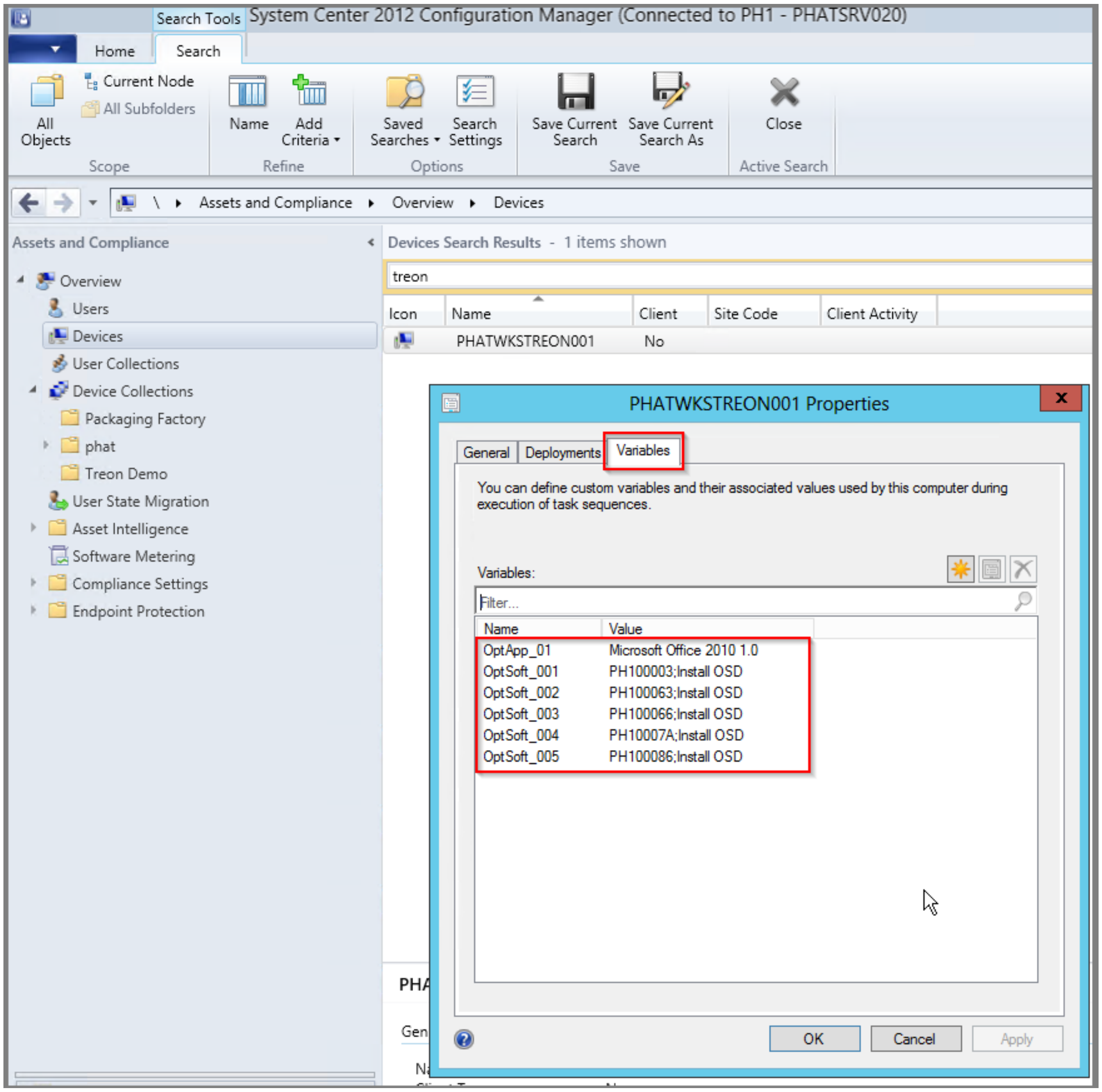
Status Aktiv

Pakete
Anwendungen
Anwendung (1)

☑ Microsoft Office 2010 1.0

Zusätzliche Pakete hinzufügen
Zusätzliche Anwendungen hinzufügen
Ausführen
Abbrechen

As soon as the button "execute" is clicked, the existing computer object is going to be deleted in SCCM and a new one with the same name and MAC adress will be created. The properties of this new computer object will show a corresponding variable for each package and each application.



treon

Icon	Name	Client	Site Code	Client Activity
	PHATWKSTREON001	No		

You can define custom variables and their associated values used by this computer during execution of task sequences.

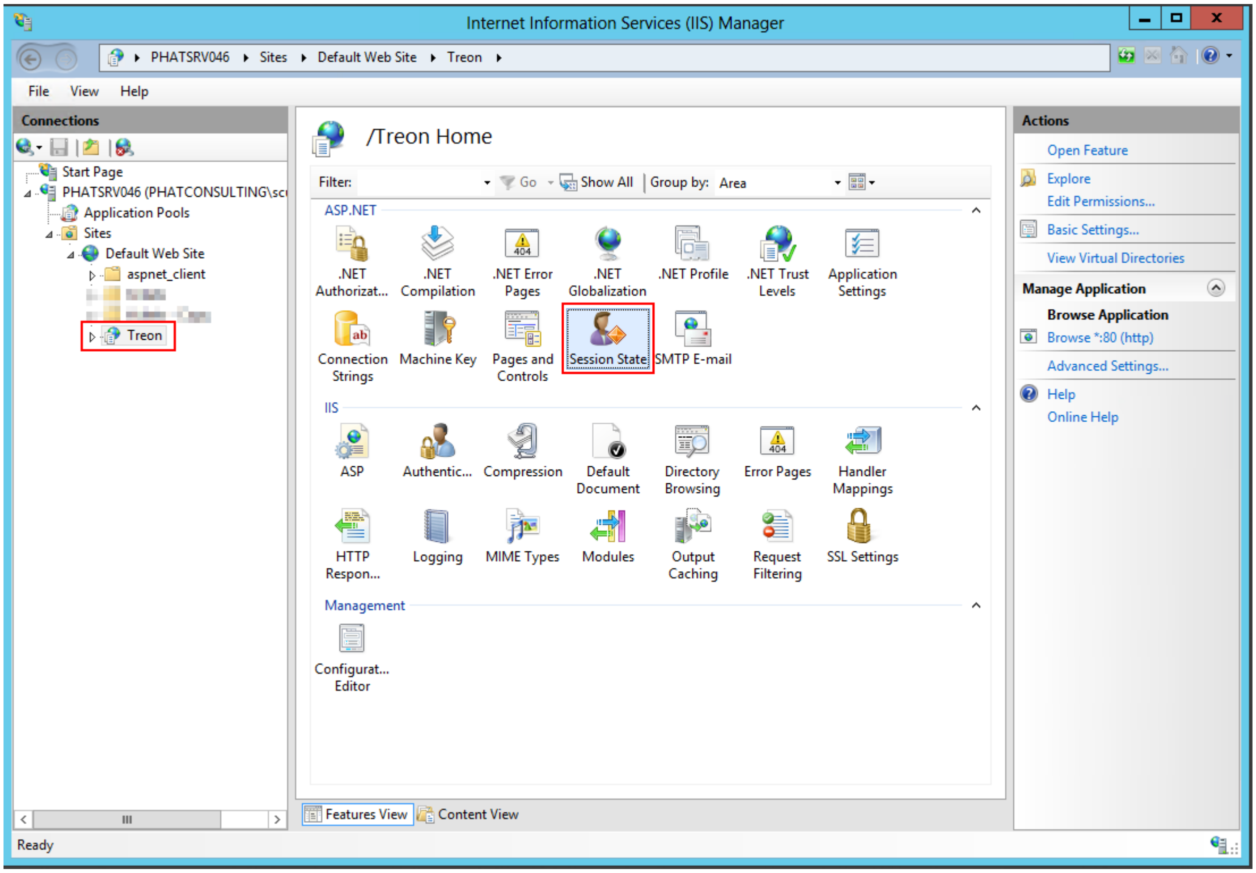
Variables:

Filter...

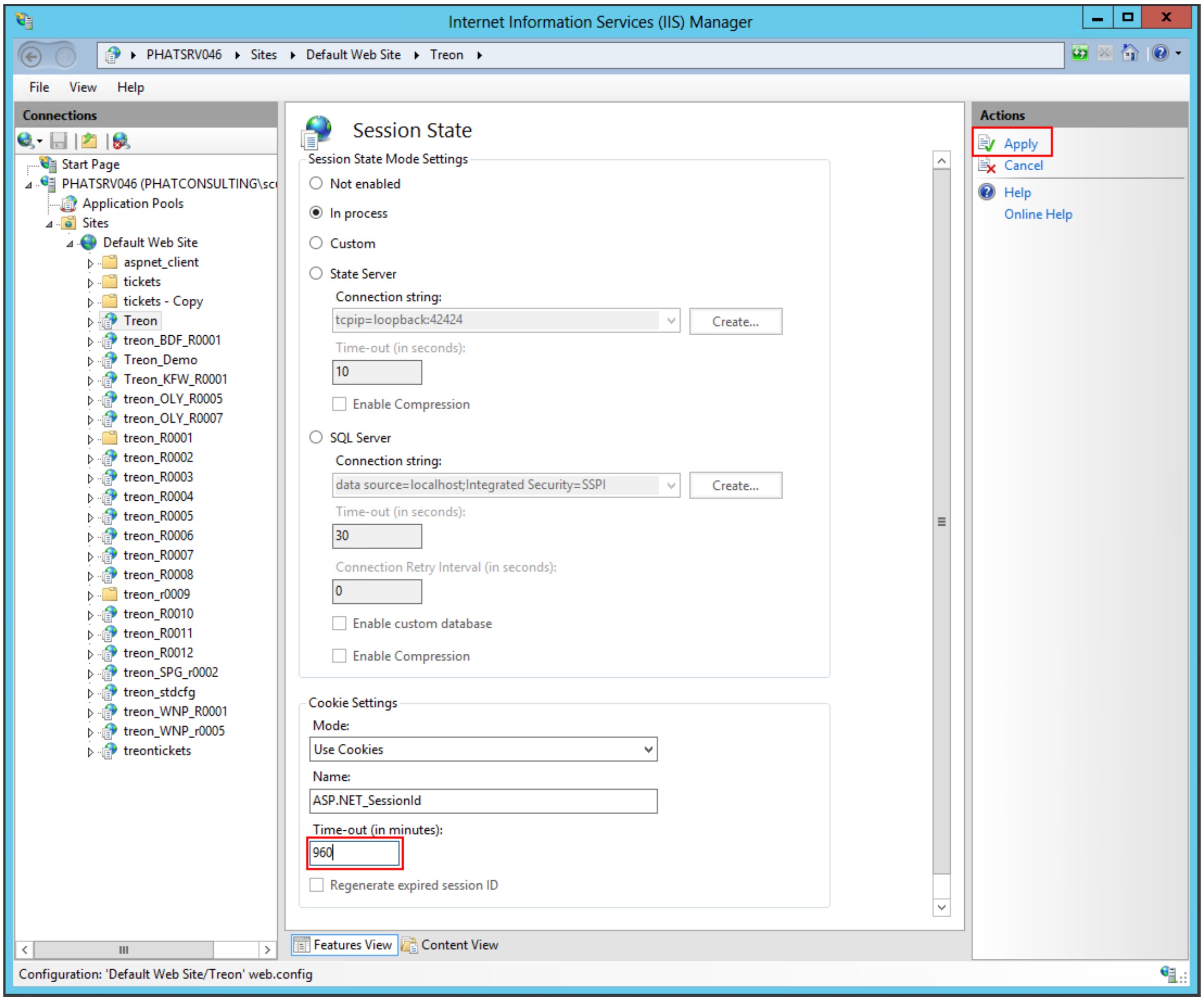
Name	Value
OptApp_01	Microsoft Office 2010 1.0
OptSoft_001	PH100003;Install OSD
OptSoft_002	PH100063;Install OSD
OptSoft_003	PH100066;Install OSD
OptSoft_004	PH10007A;Install OSD
OptSoft_005	PH100086;Install OSD

1.4.10 KB00010 - Adjusting the IIS IDLE Timeout

First, please start the IIS Console, choose the Silver Monkey Application and open the Session State Configuration.



We recommend setting a timeout value of **960 minutes** (i.e. 16 hours):



Session State

Session State Mode Settings

○ Not enabled

● In process

○ Custom

○ State Server

Connection string: tcpip=loopback:42424 Create...

Time-out (in seconds): 10

□ Enable Compression

○ SQL Server

Connection string: data source=localhost;Integrated Security=SSPI Create...

Time-out (in seconds): 30

Connection Retry Interval (in seconds): 0

□ Enable custom database

□ Enable Compression

Cookie Settings

Mode: Use Cookies

Name: ASP.NET_SessionId

Time-out (in minutes): 960

□ Regenerate expired session ID

Configuration: 'Default Web Site/Treon' web.config

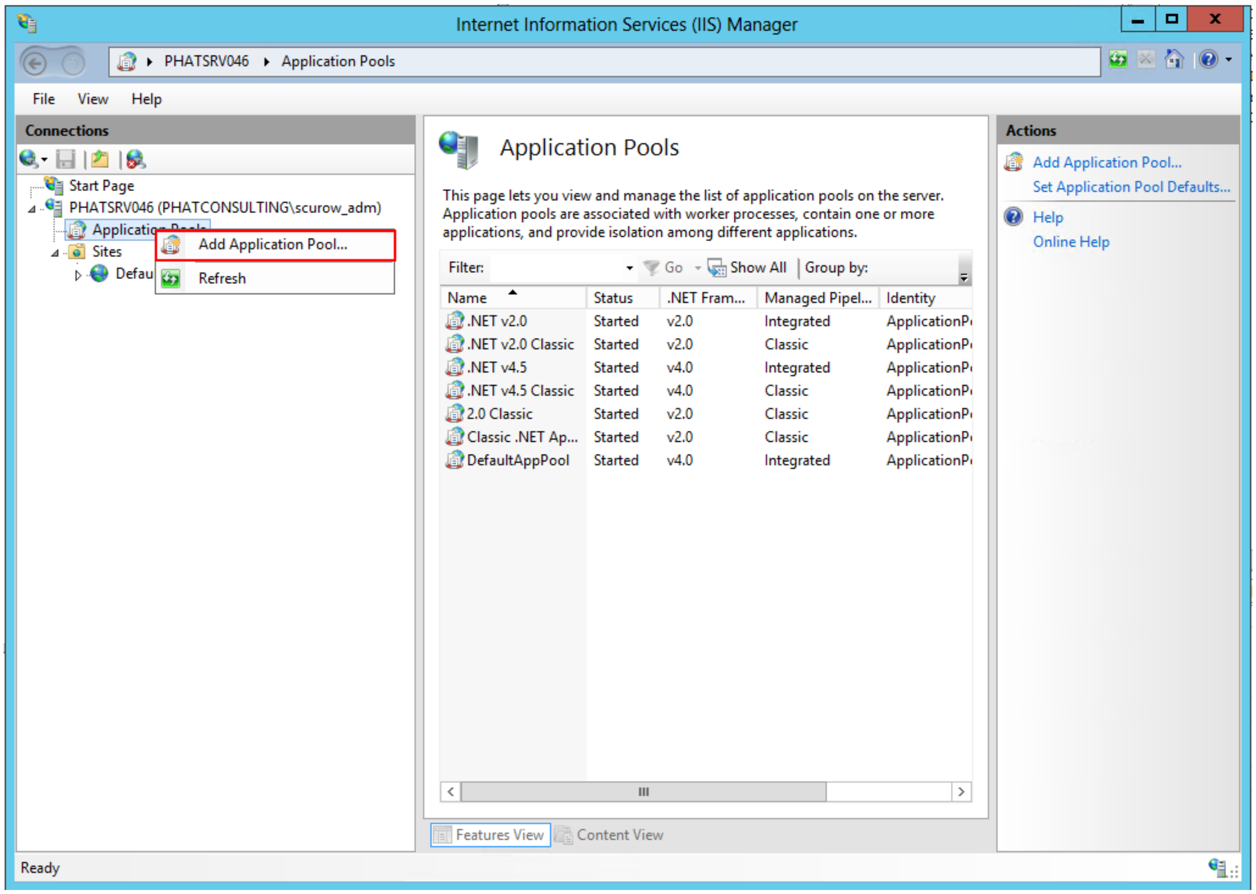
1.4.11 KB00011 - Changing IIS App Pool to Service User

In this article:

- *Creating App Pool*
- *Connecting App Pool with the Application*

Creating App Pool

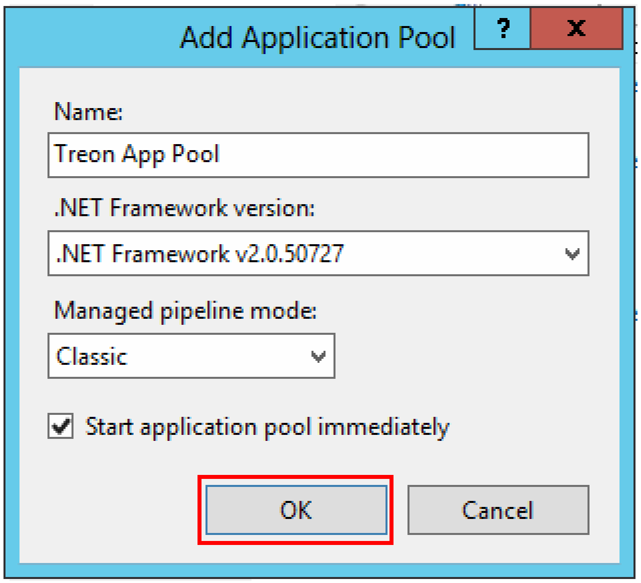
Please start IIS (i.e. Internet Information Services) Console and choose the node called "Application Pools". Then perform a right-click and choose *"Add Application Pool. . . "*. Follow the instructions below.



Application Pools

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.

Name	Status	.NET Fram...	Managed Pipel...	Identity
.NET v2.0	Started	v2.0	Integrated	ApplicationP
.NET v2.0 Classic	Started	v2.0	Classic	ApplicationP
.NET v4.5	Started	v4.0	Integrated	ApplicationP
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationP
2.0 Classic	Started	v2.0	Classic	ApplicationP
Classic .NET Ap...	Started	v2.0	Classic	ApplicationP
DefaultAppPool	Started	v4.0	Integrated	ApplicationP

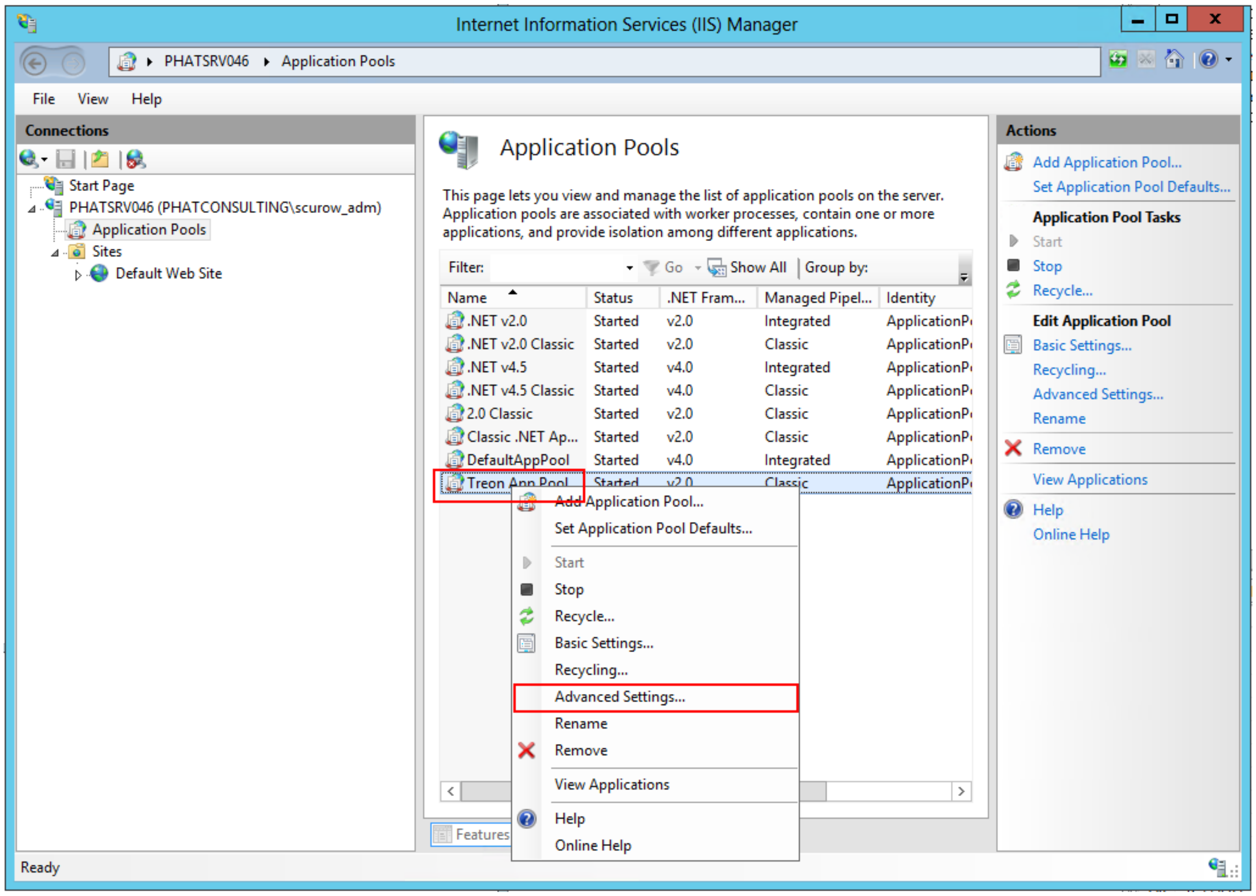


Name: Treon App Pool

.NET Framework version: .NET Framework v2.0.50727

Managed pipeline mode: Classic

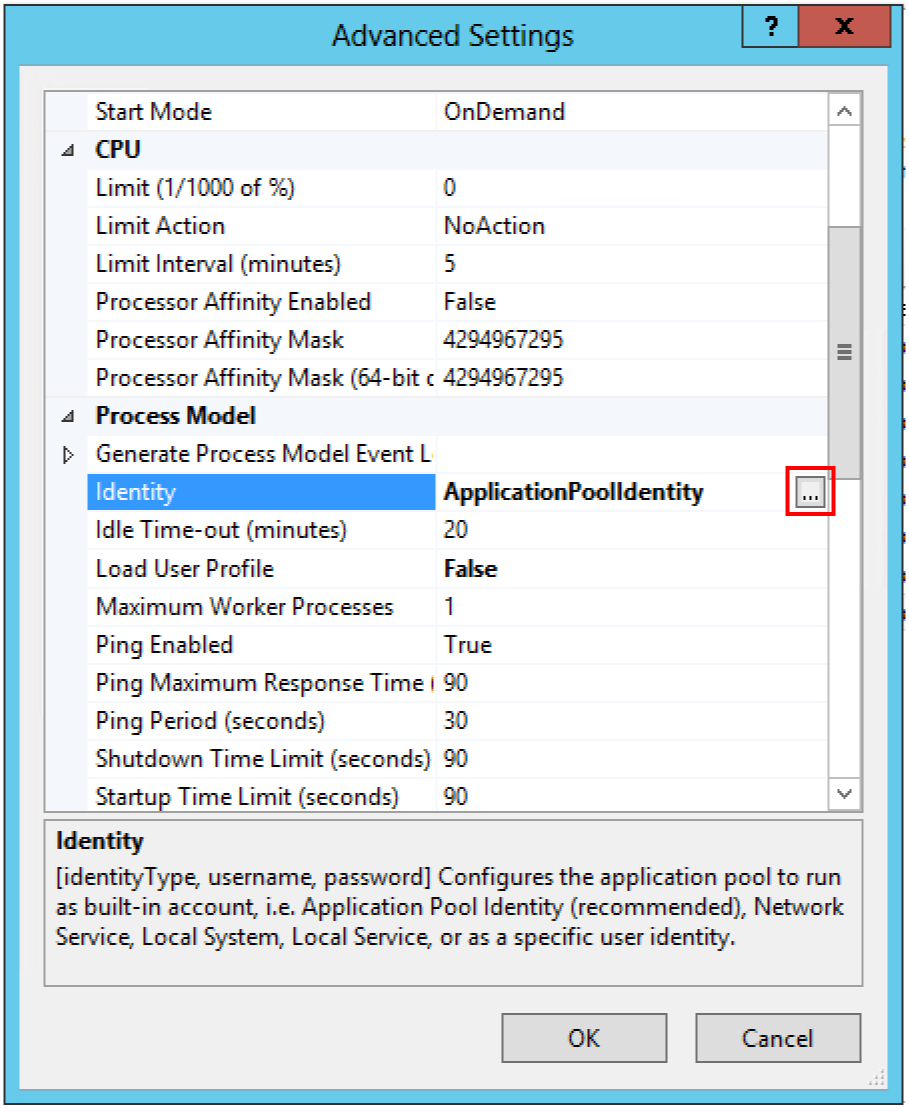
☑ Start application pool immediately



Application Pools

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.

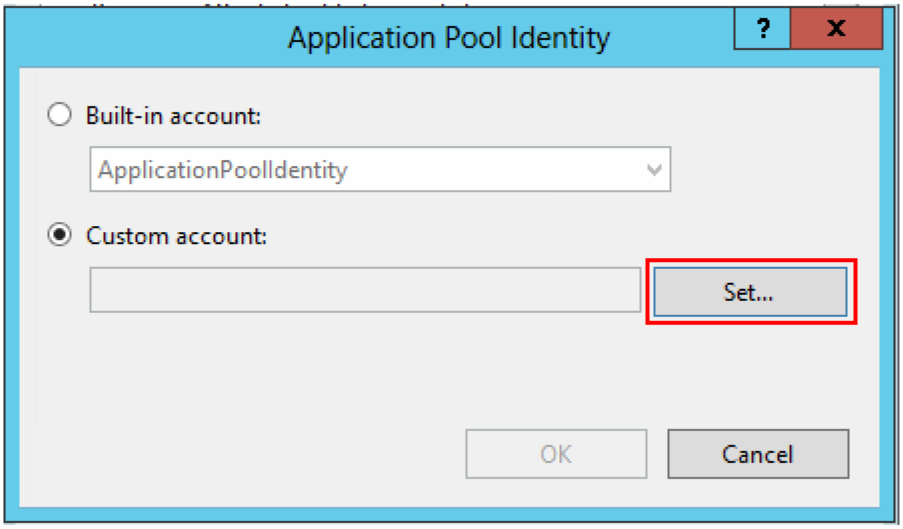
Name	Status	.NET Fram...	Managed Pipel...	Identity
.NET v2.0	Started	v2.0	Integrated	ApplicationP
.NET v2.0 Classic	Started	v2.0	Classic	ApplicationP
.NET v4.5	Started	v4.0	Integrated	ApplicationP
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationP
2.0 Classic	Started	v2.0	Classic	ApplicationP
Classic .NET Ap...	Started	v2.0	Classic	ApplicationP
DefaultAppPool	Started	v4.0	Integrated	ApplicationP
Treon App Pool	Started	v2.0	Classic	ApplicationP



Start Mode	OnDemand
◢ **CPU**	
Limit (1/1000 of %)	0
Limit Action	NoAction
Limit Interval (minutes)	5
Processor Affinity Enabled	False
Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit c	4294967295
◢ **Process Model**	
▷ Generate Process Model Event L	
Identity	**ApplicationPoolIdentity** ...
Idle Time-out (minutes)	20
Load User Profile	**False**
Maximum Worker Processes	1
Ping Enabled	True
Ping Maximum Response Time (	90
Ping Period (seconds)	30
Shutdown Time Limit (seconds)	90
Startup Time Limit (seconds)	90

Identity

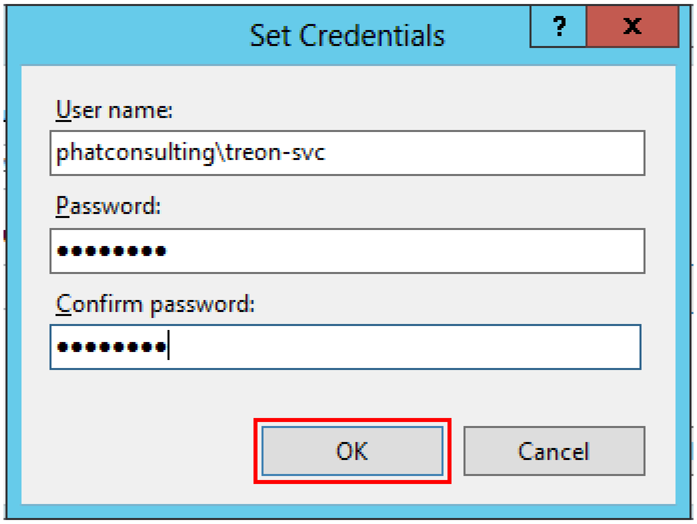
[identityType, username, password] Configures the application pool to run as built-in account, i.e. Application Pool Identity (recommended), Network Service, Local System, Local Service, or as a specific user identity.



○ Built-in account:

ApplicationPoolIdentity

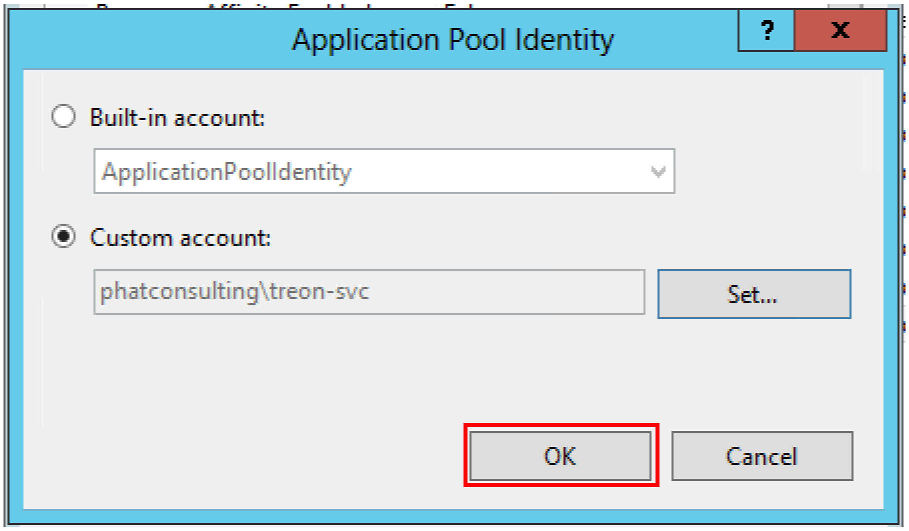
● Custom account:



User name: phatconsulting\treon-svc

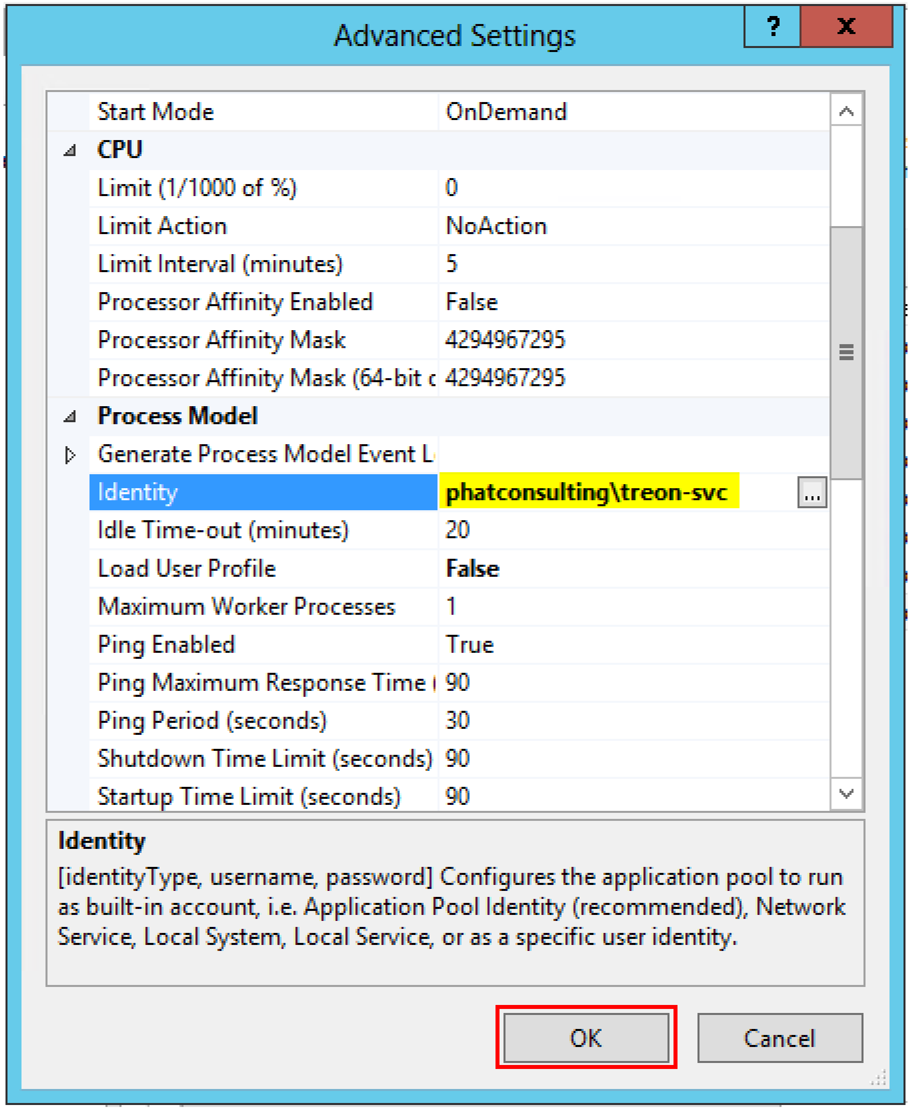
Password: ••••••••

Confirm password: ••••••••



○ Built-in account: ApplicationPoolIdentity

● Custom account: phatconsulting\treon-svc



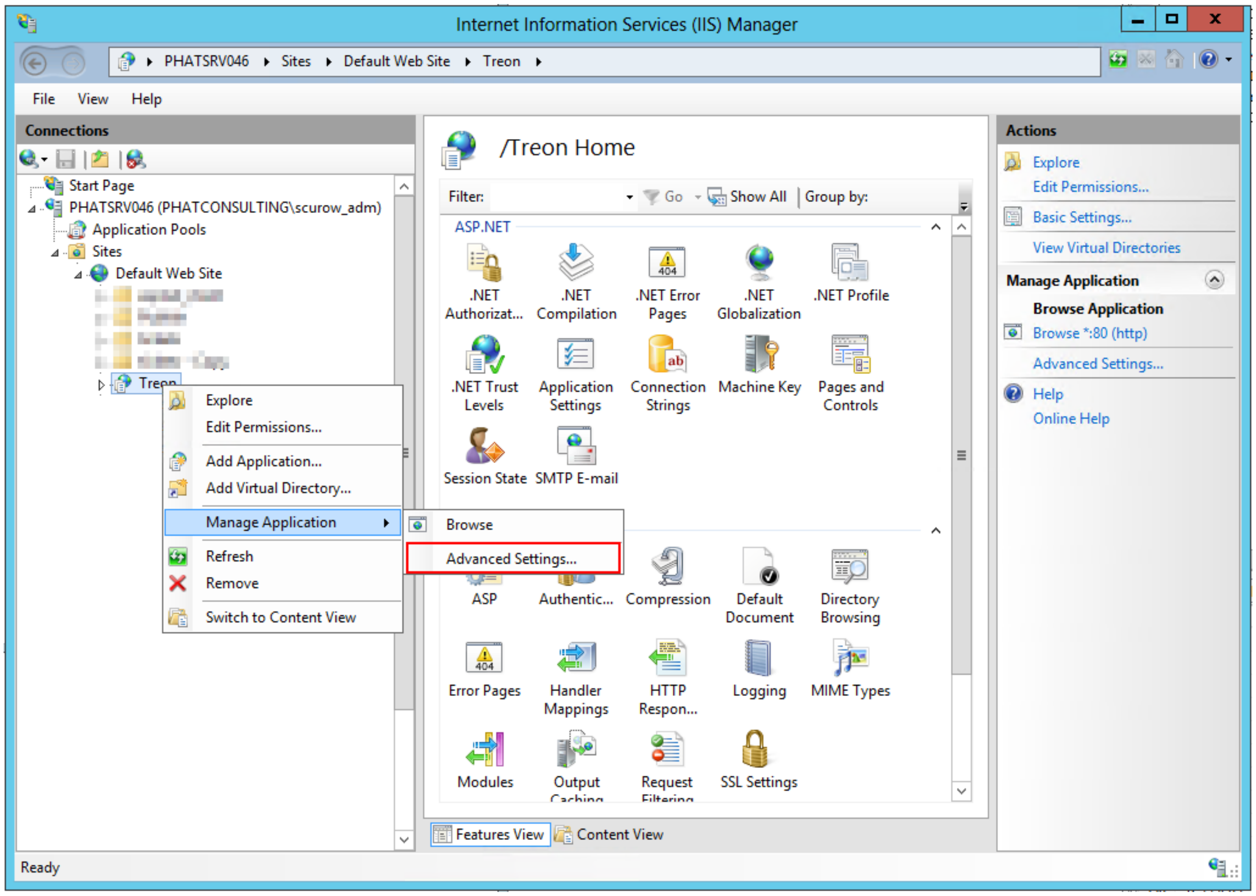
Start Mode	OnDemand
CPU	
Limit (1/1000 of %)	0
Limit Action	NoAction
Limit Interval (minutes)	5
Processor Affinity Enabled	False
Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit c	4294967295
Process Model	
Generate Process Model Event L	
Identity	**phatconsulting\treon-svc**
Idle Time-out (minutes)	20
Load User Profile	**False**
Maximum Worker Processes	1
Ping Enabled	True
Ping Maximum Response Time (	90
Ping Period (seconds)	30
Shutdown Time Limit (seconds)	90
Startup Time Limit (seconds)	90

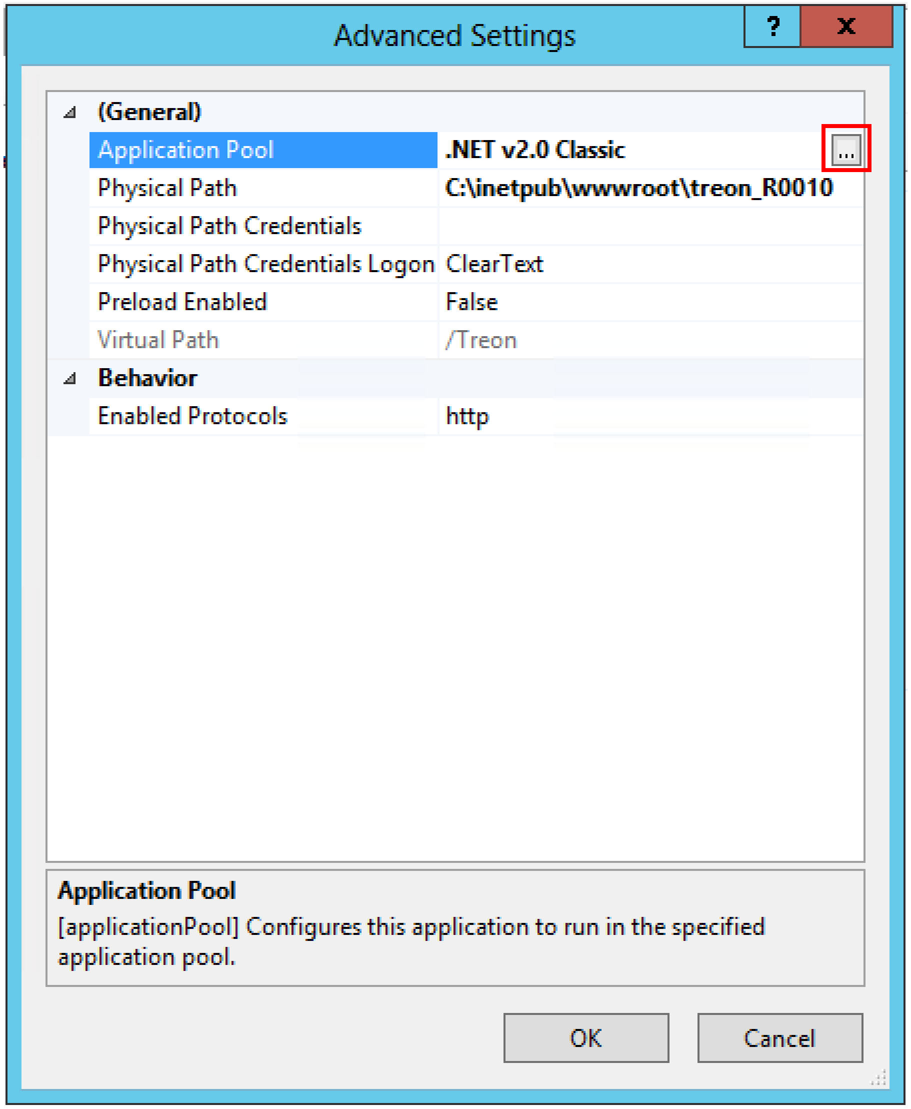
Identity

[identityType, username, password] Configures the application pool to run as built-in account, i.e. Application Pool Identity (recommended), Network Service, Local System, Local Service, or as a specific user identity.

Connecting App Pool with the Application

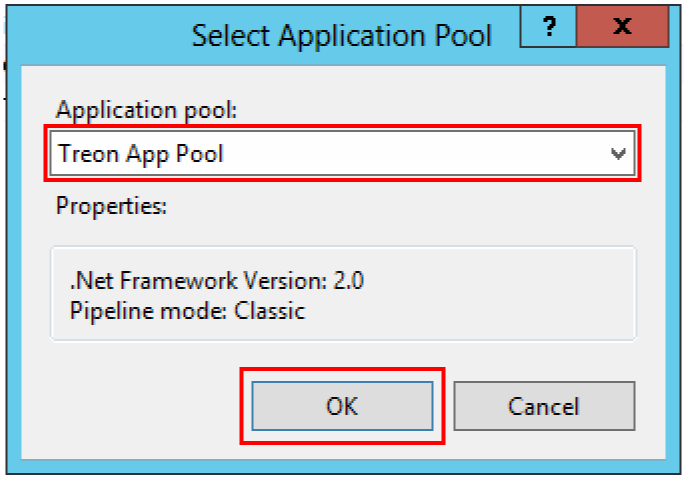
Right-click on the Application you would like to connect with. . .


Internet Information Services (IIS) Manager
PHATSRV046 ▸ Sites ▸ Default Web Site ▸ Treon ▸
File
View
Help
Connections
Start Page
PHATSRV046 (PHATCONSULTING\scurow_adm)
Application Pools
Sites
Default Web Site
[redacted]
Treon
Explore
Edit Permissions...
Add Application...
Add Virtual Directory...
Manage Application
Refresh
Remove
Switch to Content View
Browse
Advanced Settings...
/Treon Home
Filter:
Go
Show All
Group by:
ASP.NET
.NET Authorizat...
.NET Compilation
.NET Error Pages
.NET Globalization
.NET Profile
.NET Trust Levels
Application Settings
Connection Strings
Machine Key
Pages and Controls
Session State
SMTP E-mail
ASP
Authentic...
Compression
Default Document
Directory Browsing
Error Pages
Handler Mappings
HTTP Respon...
Logging
MIME Types
Modules
Output Caching
Request Filtering
SSL Settings
Features View
Content View
Actions
Explore
Edit Permissions...
Basic Settings...
View Virtual Directories
Manage Application
Browse Application
Browse *:80 (http)
Advanced Settings...
Help
Online Help
Ready



(General)	
Application Pool	.NET v2.0 Classic
Physical Path	C:\inetpub\wwwroot\treon_R0010
Physical Path Credentials	
Physical Path Credentials Logon	ClearText
Preload Enabled	False
Virtual Path	/Treon
Behavior	
Enabled Protocols	http

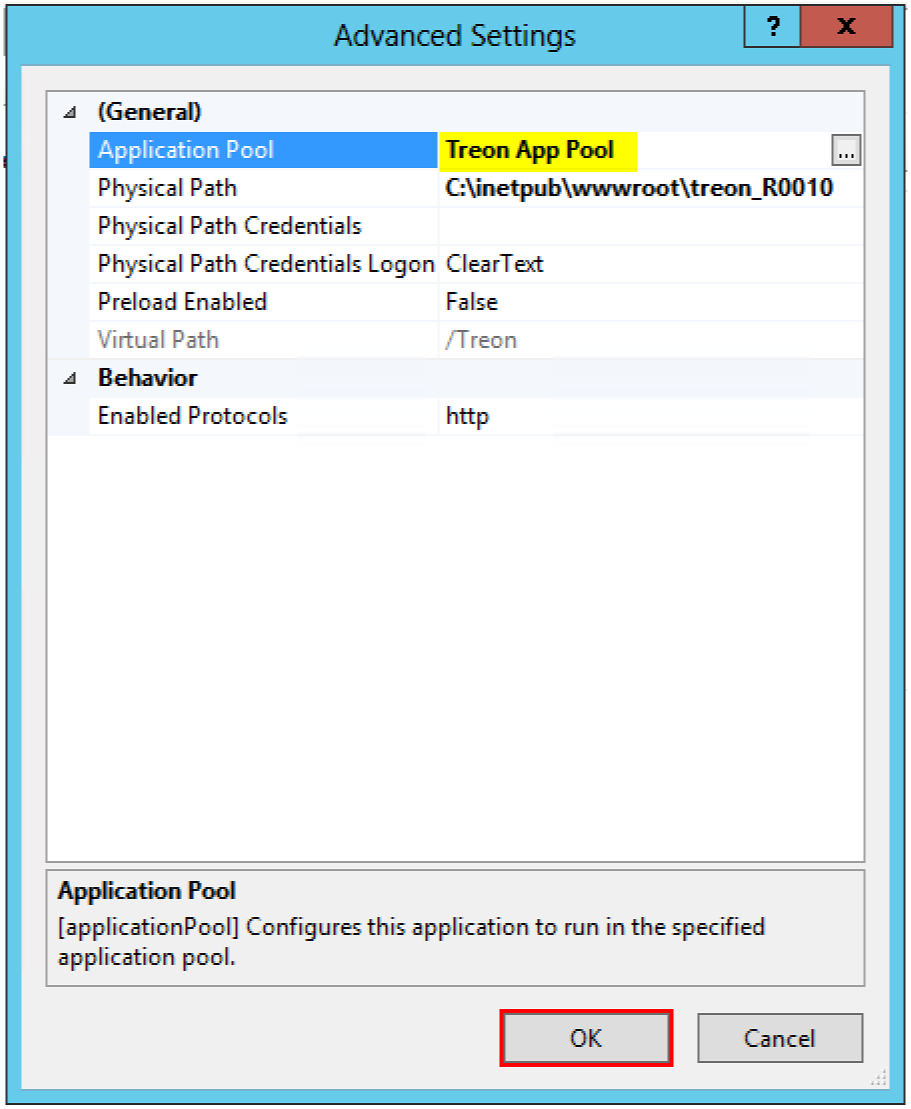
Application Pool
[applicationPool] Configures this application to run in the specified application pool.



Application pool: Treon App Pool

Properties:

.Net Framework Version: 2.0
Pipeline mode: Classic



Advanced Settings

(General)

Application Pool	Treon App Pool
Physical Path	C:\inetpub\wwwroot\treon_R0010
Physical Path Credentials	
Physical Path Credentials Logon	ClearText
Preload Enabled	False
Virtual Path	/Treon

Behavior

Enabled Protocols	http

Application Pool

[applicationPool] Configures this application to run in the specified application pool.

1.4.12 KB00012 - Full SQL Connection Pool

In this article:

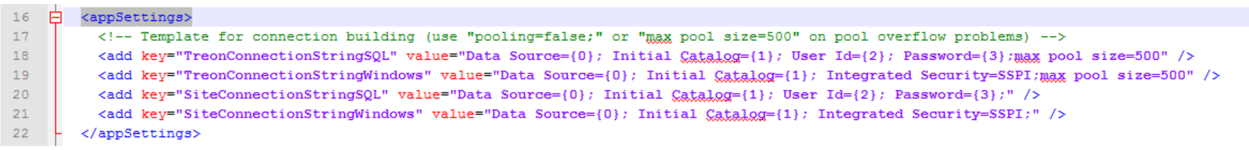
- *Adjusting Web.Config*

Adjusting Web.Config

You will find the Web.Config file in

```
C:\inetpub\wwwroot\[TreonWesite].
```

Please open the file in a text editor and search for the section “<appSettings>”.

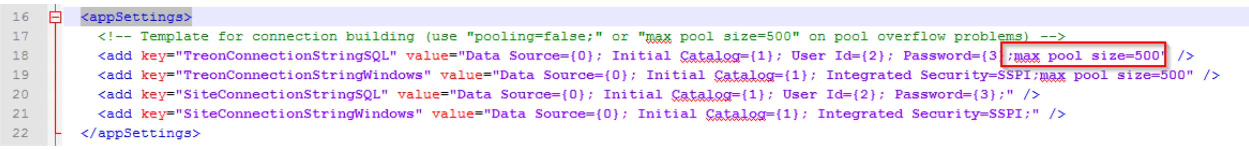


```
<appSettings>
  <!-- Template for connection building (use "pooling=false;" or "max pool size=500" on pool overflow problems) -->
  <add key="TreonConnectionStringSQL" value="Data Source={0}; Initial Catalog={1}; User Id={2}; Password={3};max pool size=500" />
  <add key="TreonConnectionStringWindows" value="Data Source={0}; Initial Catalog={1}; Integrated Security=SSPI;max pool size=500" />
  <add key="SiteConnectionStringSQL" value="Data Source={0}; Initial Catalog={1}; User Id={2}; Password={3};" />
  <add key="SiteConnectionStringWindows" value="Data Source={0}; Initial Catalog={1}; Integrated Security=SSPI;" />
</appSettings>
```

Silver Monkey connects to at least two different SQL databases:

- Its original Silvermonkey SQL database
- The SCCM Site database

Depending on which Connection Pool fills up first, either TreonConnectionString* or SiteConnectionString* will have to be adjusted. Especially, pay attention to the last part of the Connection String:



```
<appSettings>
  <!-- Template for connection building (use "pooling=false;" or "max pool size=500" on pool overflow problems) -->
  <add key="TreonConnectionStringSQL" value="Data Source={0}; Initial Catalog={1}; User Id={2}; Password={3};max pool size=500" />
  <add key="TreonConnectionStringWindows" value="Data Source={0}; Initial Catalog={1}; Integrated Security=SSPI;max pool size=500" />
  <add key="SiteConnectionStringSQL" value="Data Source={0}; Initial Catalog={1}; User Id={2}; Password={3};" />
  <add key="SiteConnectionStringWindows" value="Data Source={0}; Initial Catalog={1}; Integrated Security=SSPI;" />
</appSettings>
```

You will have to add the following code or rather adjust its value to "500" if it doesn't already exist in the Connection String (the value is set to "100" by default):

```
;max pool size=500
```

Both Connection Strings, *SQL as well as *Windows have to be changed.

For further Information about Connection String, please visit this website .

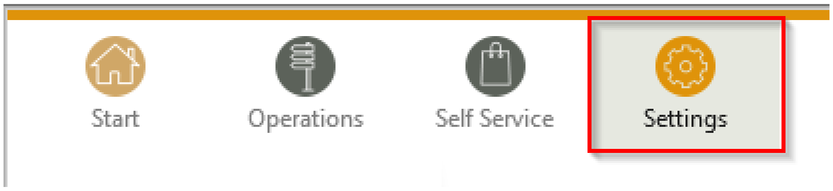
1.4.13 KB00013 - Activating and Updating License Key

In this article:

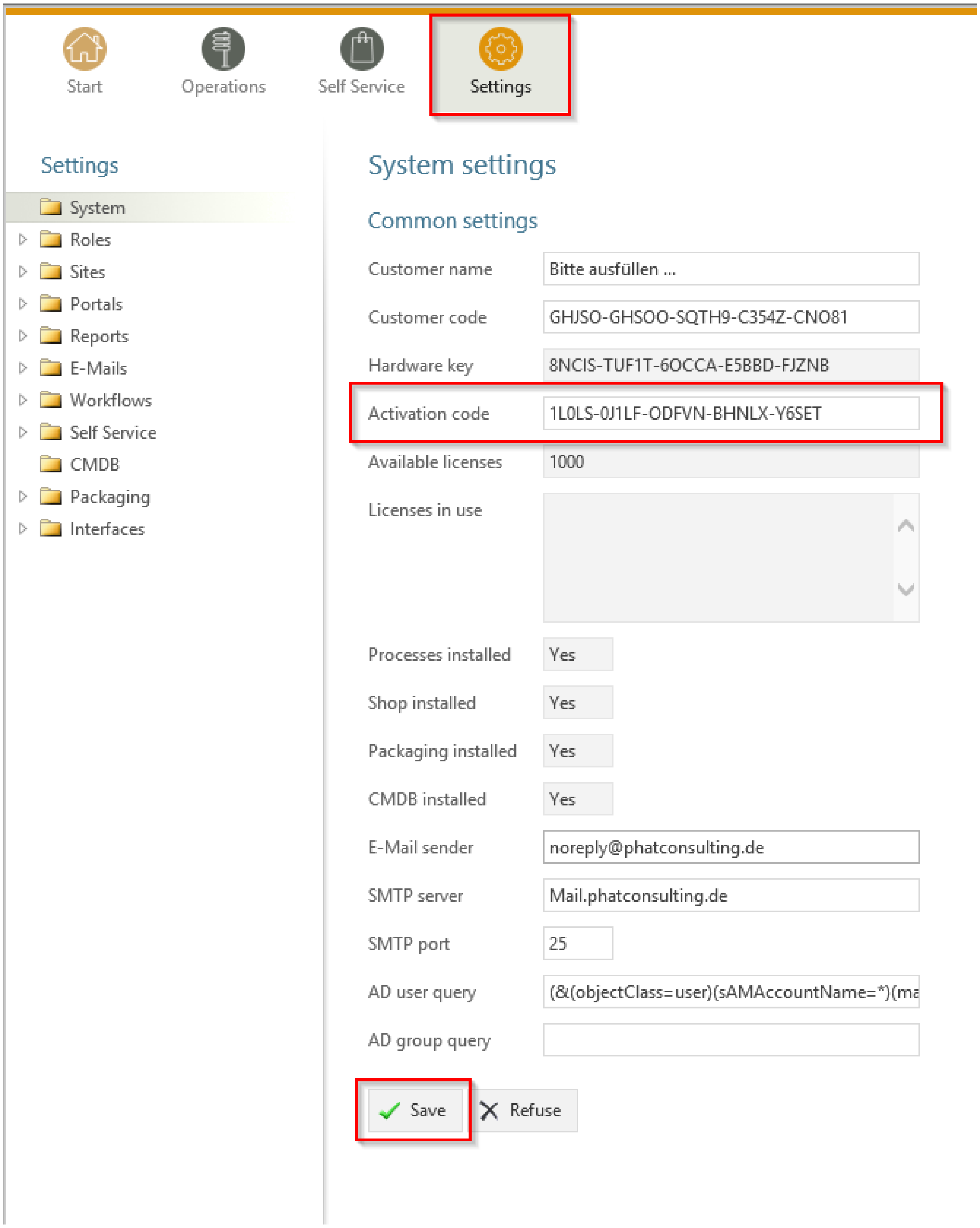
- *Activating or Updating the Activation Key via the User Interface*
- *Activating or Updating the Activation Key in the Configuration.xml*

Activating or Updating the Activation Key via the User Interface

Note: Silver Monkey Administrator rights are required to activate or update the license key via the user interface. If the "Settings"-Tab is visible, you have the required rights.



In the settings, fill in the field named 'Activation code' with the license key that is part of the license certificate.



System settings

Common settings

Customer name	Bitte ausfüllen ...
Customer code	GHJSO-GHSOO-SQTH9-C354Z-CNO81
Hardware key	8NCIS-TUF1T-6OCCA-E5BBD-FJZNB
Activation code	1L0LS-0J1LF-ODFVN-BHNLX-Y6SET
Available licenses	1000
Licenses in use	
Processes installed	Yes
Shop installed	Yes
Packaging installed	Yes
CMDB installed	Yes
E-Mail sender	noreply@phatconsulting.de
SMTP server	Mail.phatconsulting.de
SMTP port	25
AD user query	(&(objectClass=user)(sAMAccountName=*)(ma
AD group query	

Afterwards click the ‘Save’-button.

Note: The new license key cannot be activated until you restart the IIS Service **and** the Silver Monkey Web Application Server!

Activating or Updating the Activation Key in the Configuration.xml

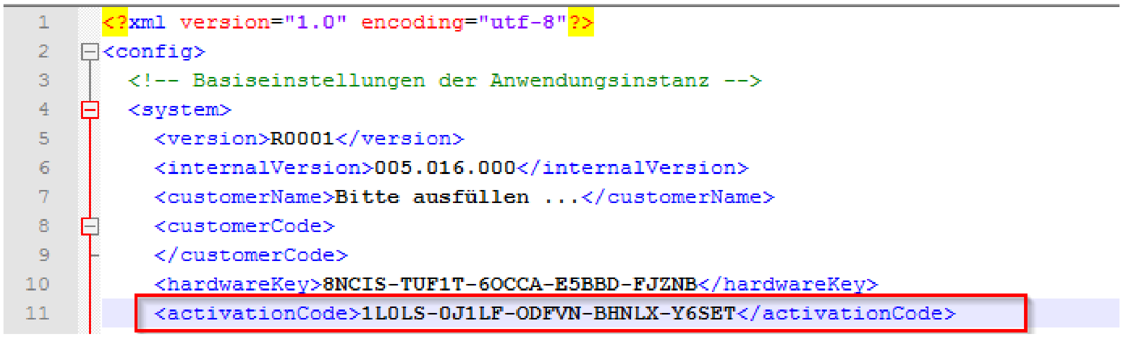
If you do not have direct access to the settings in the user interface, set the activation key in the Configuration.xml:

Warning: Before changing Configuration.xml please create a safety-copy!

The configuration.xml is located in the web application server in the following directory:

```
C:\inetpub\wwwroot\SIM_R****\App_Data
```

Fill in the field “<activationCode>” with the license key:



```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <!-- Basiseinstellungen der Anwendungsinstanz -->
  <system>
    <version>R0001</version>
    <internalVersion>005.016.000</internalVersion>
    <customerName>Bitte ausfüllen ...</customerName>
    <customerCode>
    </customerCode>
    <hardwareKey>8NCIS-TUF1T-6OCCA-E5BBD-FJZNB</hardwareKey>
    <activationCode>1L0LS-0J1LF-ODFVN-BHNLX-Y6SET</activationCode>
```

Note: The new license key will not be activated until you restart the IIS Service **and** the Silver Monkey Web Application Server.

1.4.14 KB00014 - Finding Log Files and ‘Configuration.xml’

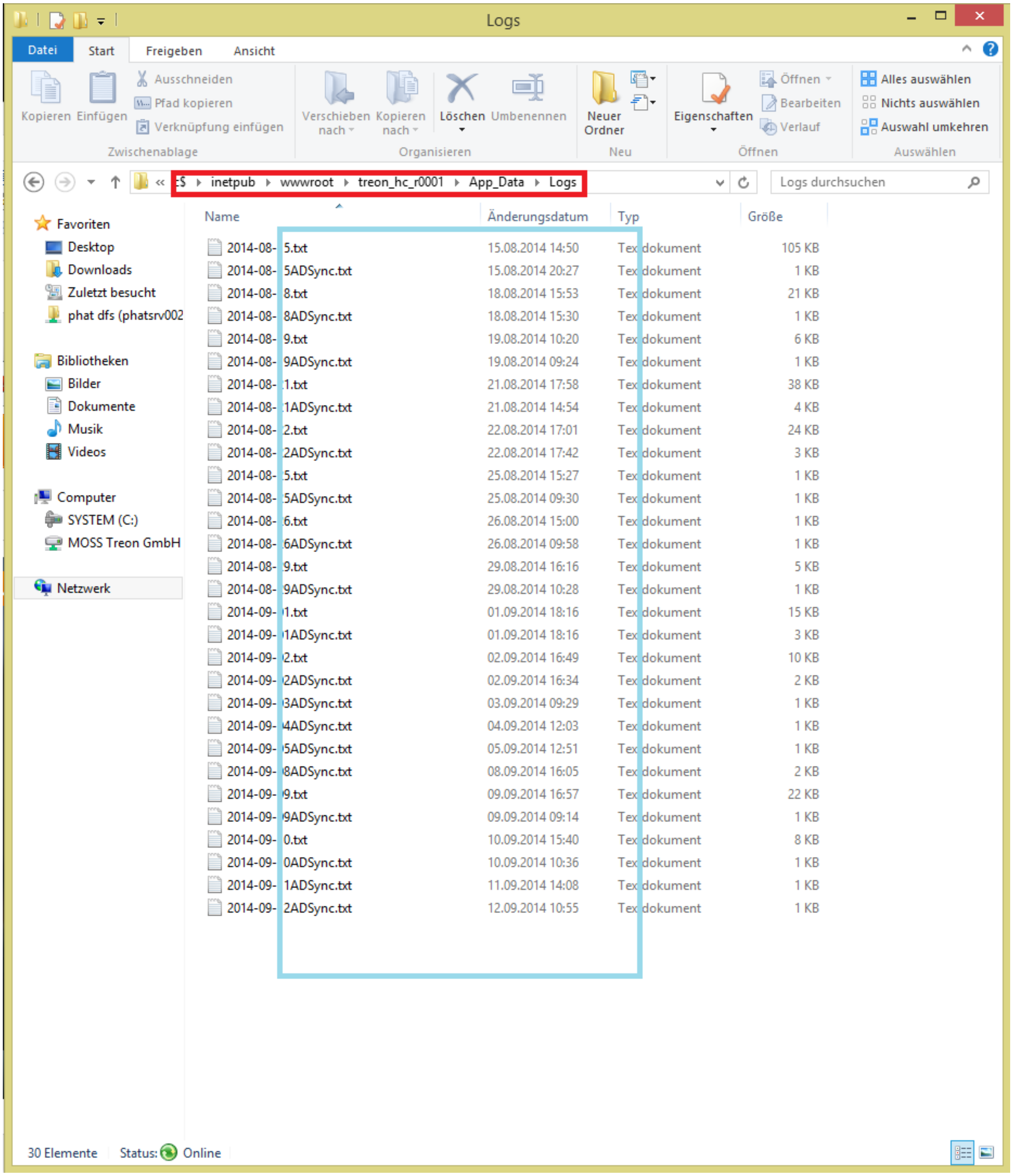
In this article:

- *Finding Log Files*
- *Finding the Configuration.xml File*
- *Taking Screenshots of Error Messages*

Finding Log Files

The log files will be found in the system providing the IIS service in one of the following directories:

```
C:\inetpub\wwwroot\treon_r****\App_Data\Logs
C:\inetpub\wwwroot\sim_r****\App_Data\Logs
```



$ › inetpub › wwwroot › treon_hc_r0001 › App_Data › Logs

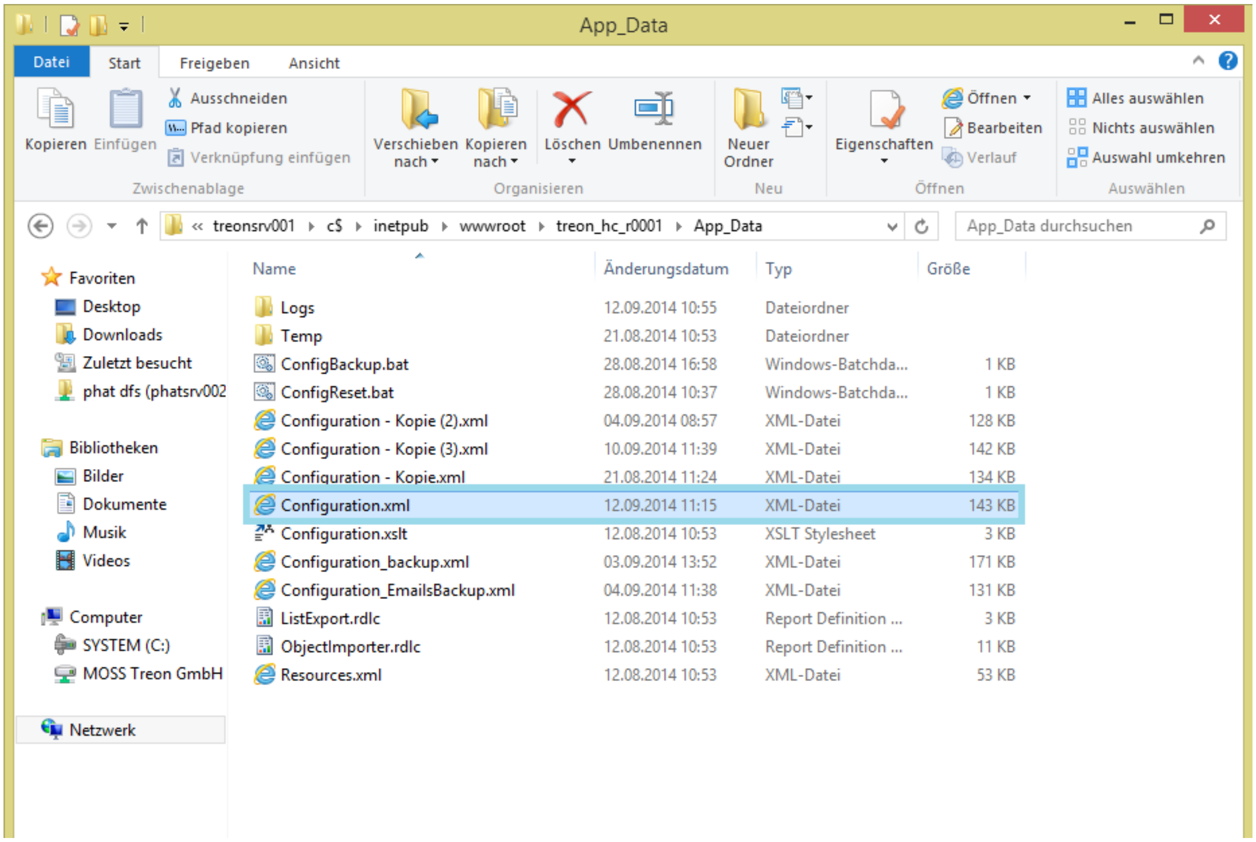
Name	Änderungsdatum	Typ	Größe
2014-08- 5.txt	15.08.2014 14:50	Tex dokument	105 KB
2014-08- 5ADSync.txt	15.08.2014 20:27	Tex dokument	1 KB
2014-08- 8.txt	18.08.2014 15:53	Tex dokument	21 KB
2014-08- 8ADSync.txt	18.08.2014 15:30	Tex dokument	1 KB
2014-08- 9.txt	19.08.2014 10:20	Tex dokument	6 KB
2014-08- 9ADSync.txt	19.08.2014 09:24	Tex dokument	1 KB
2014-08- 1.txt	21.08.2014 17:58	Tex dokument	38 KB
2014-08- 1ADSync.txt	21.08.2014 14:54	Tex dokument	4 KB
2014-08- 2.txt	22.08.2014 17:01	Tex dokument	24 KB
2014-08- 2ADSync.txt	22.08.2014 17:42	Tex dokument	3 KB
2014-08- 5.txt	25.08.2014 15:27	Tex dokument	1 KB
2014-08- 5ADSync.txt	25.08.2014 09:30	Tex dokument	1 KB
2014-08- 6.txt	26.08.2014 15:00	Tex dokument	1 KB
2014-08- 6ADSync.txt	26.08.2014 09:58	Tex dokument	1 KB
2014-08- 9.txt	29.08.2014 16:16	Tex dokument	5 KB
2014-08- 9ADSync.txt	29.08.2014 10:28	Tex dokument	1 KB
2014-09- 1.txt	01.09.2014 18:16	Tex dokument	15 KB
2014-09- 1ADSync.txt	01.09.2014 18:16	Tex dokument	3 KB
2014-09- 2.txt	02.09.2014 16:49	Tex dokument	10 KB
2014-09- 2ADSync.txt	02.09.2014 16:34	Tex dokument	2 KB
2014-09- 3ADSync.txt	03.09.2014 09:29	Tex dokument	1 KB
2014-09- 4ADSync.txt	04.09.2014 12:03	Tex dokument	1 KB
2014-09- 5ADSync.txt	05.09.2014 12:51	Tex dokument	1 KB
2014-09- 8ADSync.txt	08.09.2014 16:05	Tex dokument	2 KB
2014-09- 9.txt	09.09.2014 16:57	Tex dokument	22 KB
2014-09- 9ADSync.txt	09.09.2014 09:14	Tex dokument	1 KB
2014-09- 0.txt	10.09.2014 15:40	Tex dokument	8 KB
2014-09- 0ADSync.txt	10.09.2014 10:36	Tex dokument	1 KB
2014-09- 1ADSync.txt	11.09.2014 14:08	Tex dokument	1 KB
2014-09- 2ADSync.txt	12.09.2014 10:55	Tex dokument	1 KB

30 Elemente Status: Online

Finding the Configuration.xml File

Search for the Configuration.xml file in the same system in one of the following directories:

```
C:\inetpub\wwwroot\treon_r****\App_Data
C:\inetpub\wwwroot\sim_r****\App_Data
```



Name	Änderungsdatum	Typ	Größe
Logs	12.09.2014 10:55	Dateiordner	
Temp	21.08.2014 10:53	Dateiordner	
ConfigBackup.bat	28.08.2014 16:58	Windows-Batchda...	1 KB
ConfigReset.bat	28.08.2014 10:37	Windows-Batchda...	1 KB
Configuration - Kopie (2).xml	04.09.2014 08:57	XML-Datei	128 KB
Configuration - Kopie (3).xml	10.09.2014 11:39	XML-Datei	142 KB
Configuration - Kopie.xml	21.08.2014 11:24	XML-Datei	134 KB
Configuration.xml	12.09.2014 11:15	XML-Datei	143 KB
Configuration.xslt	12.08.2014 10:53	XSLT Stylesheet	3 KB
Configuration_backup.xml	03.09.2014 13:52	XML-Datei	171 KB
Configuration_EmailsBackup.xml	04.09.2014 11:38	XML-Datei	131 KB
ListExport.rdlc	12.08.2014 10:53	Report Definition ...	3 KB
ObjectImporter.rdlc	12.08.2014 10:53	Report Definition ...	11 KB
Resources.xml	12.08.2014 10:53	XML-Datei	53 KB

Please equally send a copy of Configuration.xml to support@treon.de .

Taking Screenshots of Error Messages

We would also like to ask you to send us screenshots of error messages, problems or eventually displayed requirements.

Tip: Feel free to combine log files, Configuration.xml and screenshots in a single email.

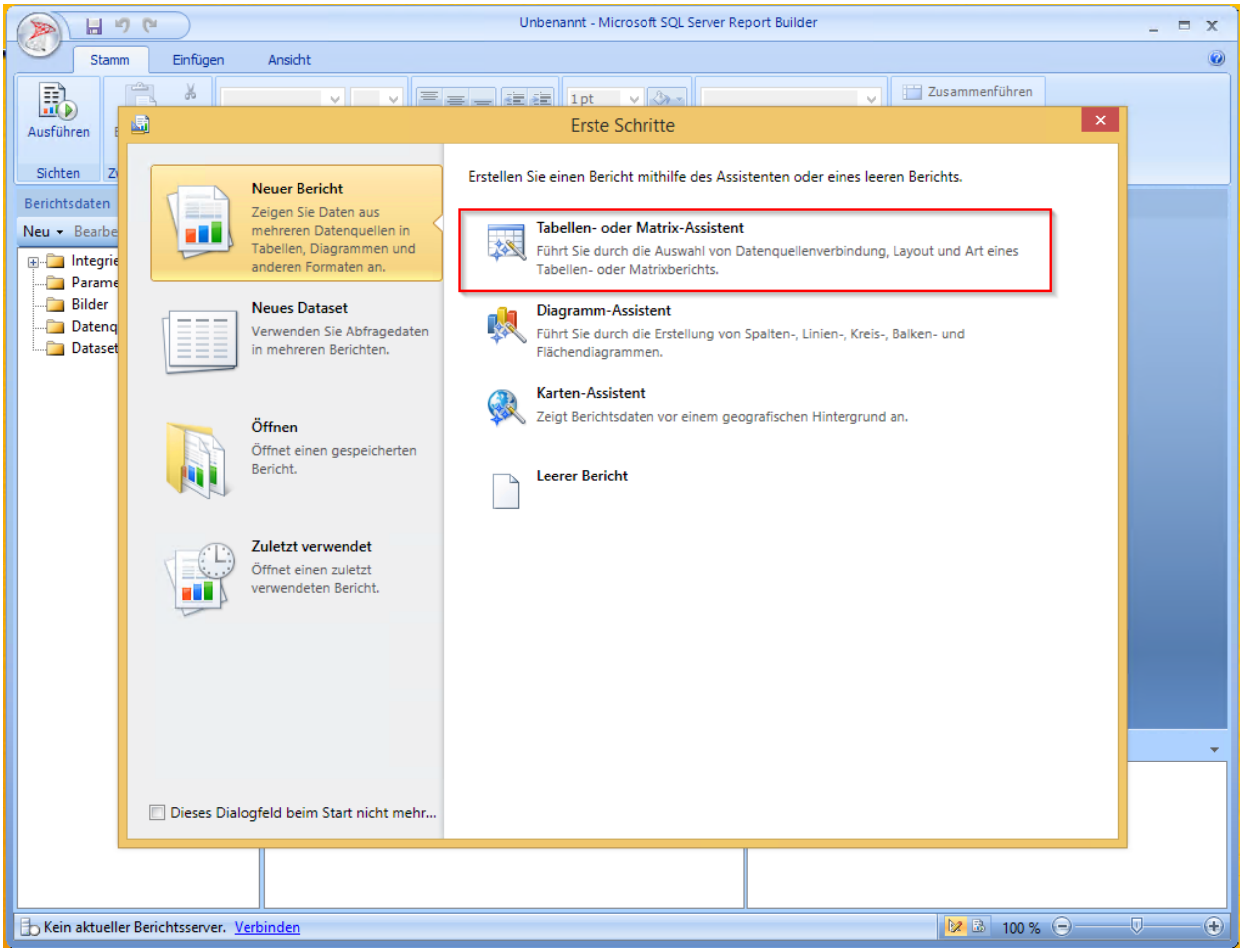
1.4.15 KB00015 - Creating a System Report

In this article:

- *Downloading Report Builder*
- *Selecting Server and Database*

Downloading Report Builder

Please visit this website, download and install Report Builder.
Then, follow the instrucions shown on the images below.



Erste Schritte

Neuer Bericht
Zeigen Sie Daten aus mehreren Datenquellen in Tabellen, Diagrammen und anderen Formaten an.

Neues Dataset
Verwenden Sie Abfragedaten in mehreren Berichten.

Öffnen
Öffnet einen gespeicherten Bericht.

Zuletzt verwendet
Öffnet einen zuletzt verwendeten Bericht.

☐ Dieses Dialogfeld beim Start nicht mehr...

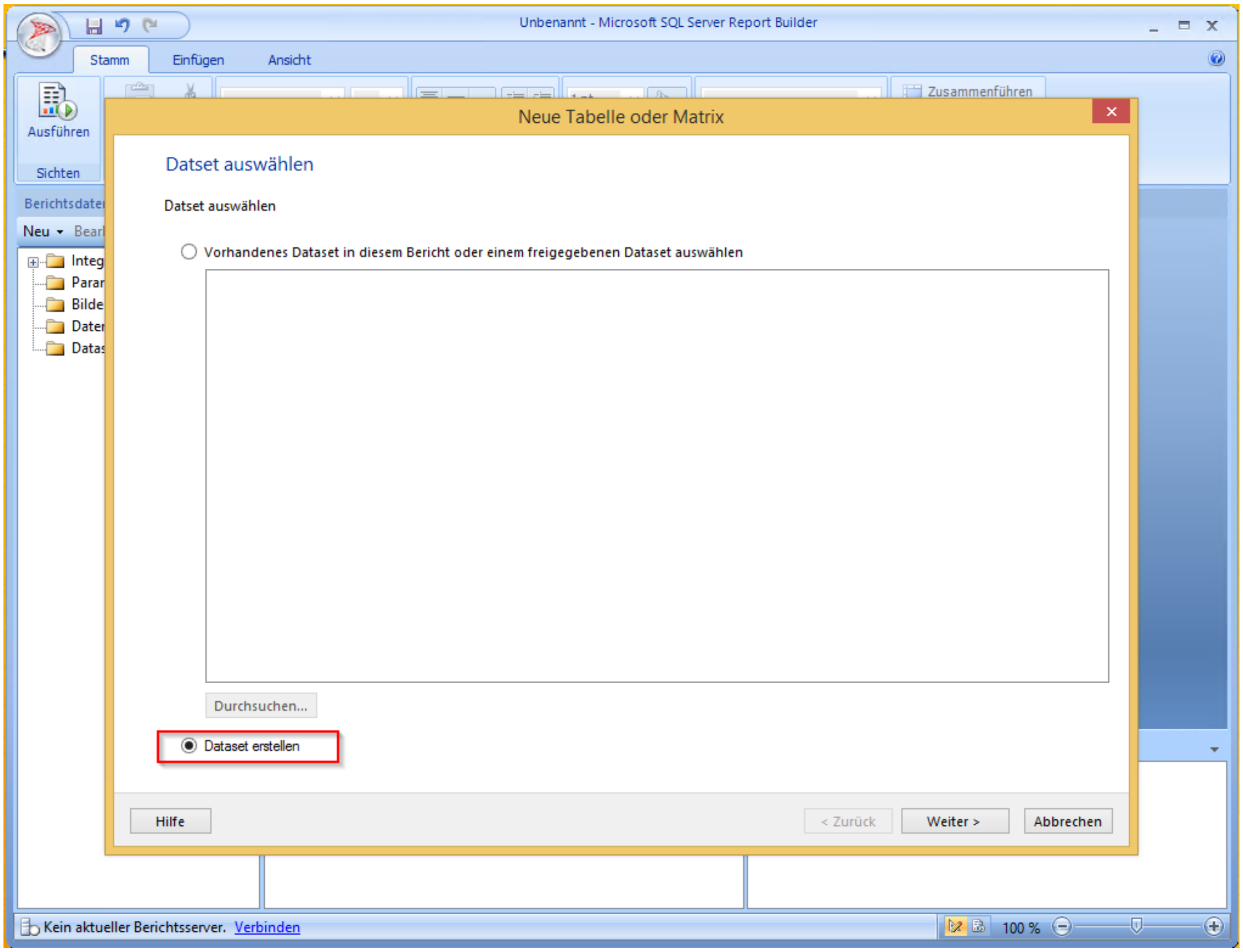
Erstellen Sie einen Bericht mithilfe des Assistenten oder eines leeren Berichts.

Tabellen- oder Matrix-Assistent
Führt Sie durch die Auswahl von Datenquellenverbindung, Layout und Art eines Tabellen- oder Matrixberichts.

Diagramm-Assistent
Führt Sie durch die Erstellung von Spalten-, Linien-, Kreis-, Balken- und Flächendiagrammen.

Karten-Assistent
Zeigt Berichtsdaten vor einem geografischen Hintergrund an.

Leerer Bericht



Neue Tabelle oder Matrix

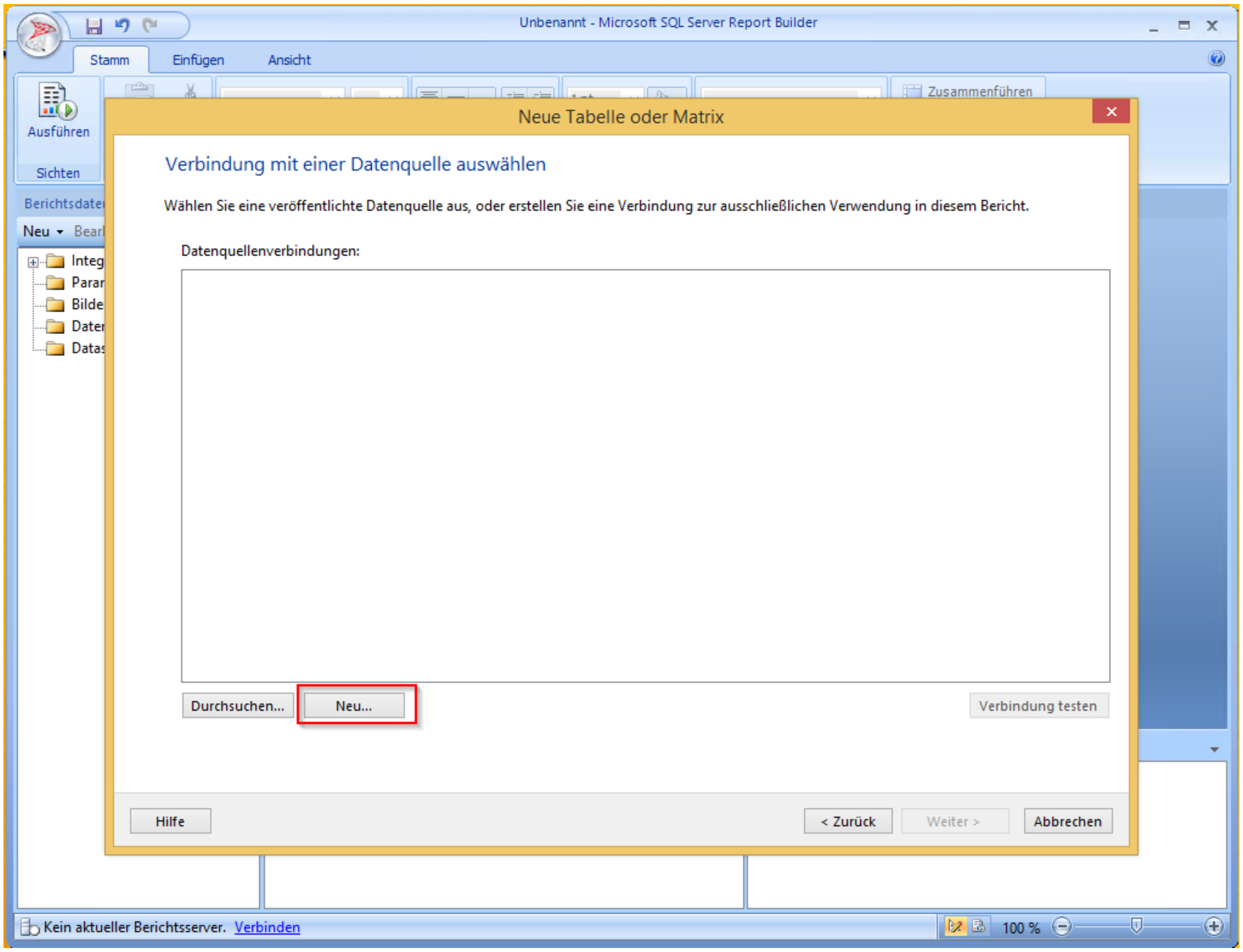
Datset auswählen

Datset auswählen

○ Vorhandenes Dataset in diesem Bericht oder einem freigegebenen Dataset auswählen

Durchsuchen...

● Dataset erstellen

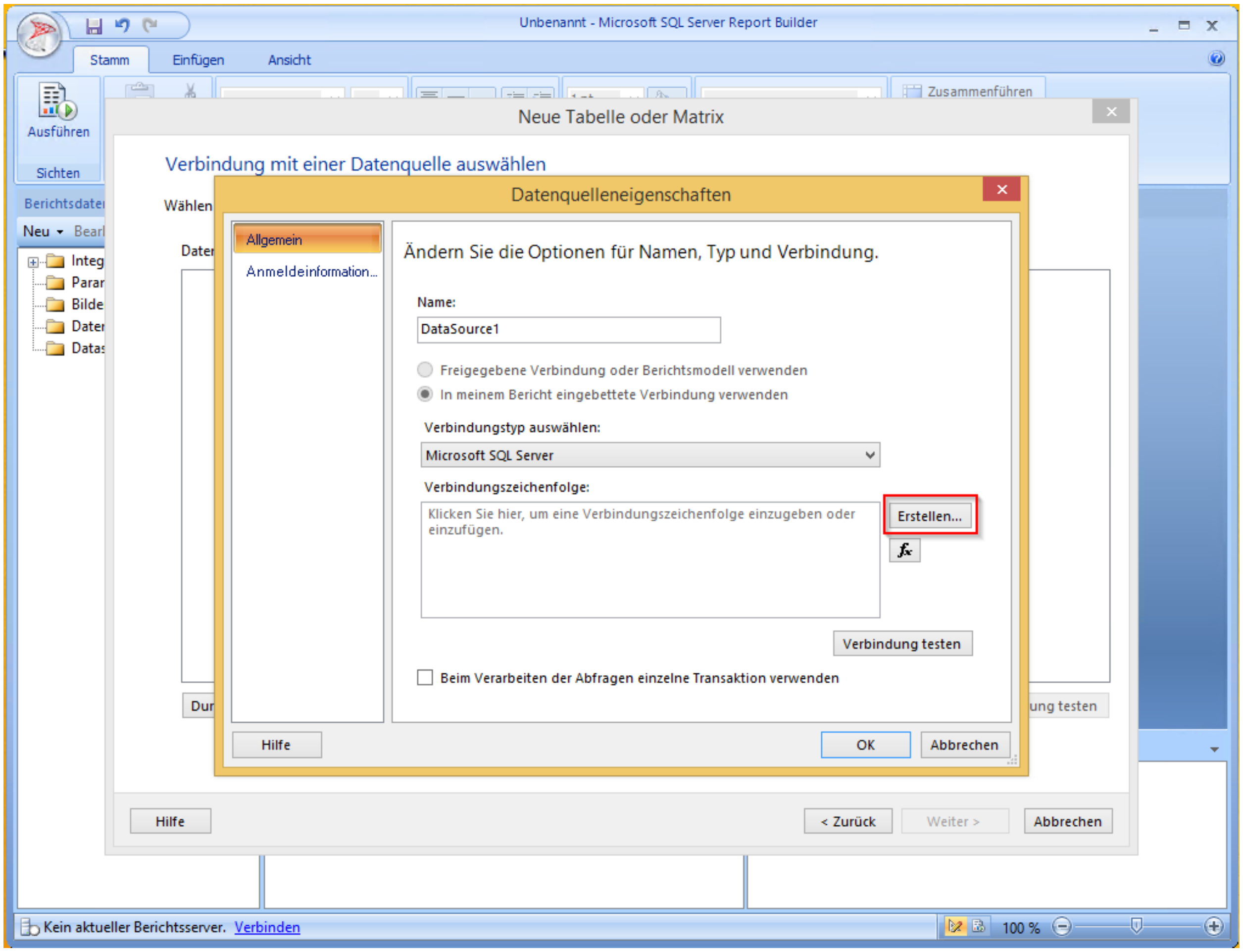


Neue Tabelle oder Matrix

Verbindung mit einer Datenquelle auswählen

Wählen Sie eine veröffentlichte Datenquelle aus, oder erstellen Sie eine Verbindung zur ausschließlichen Verwendung in diesem Bericht.

Datenquellenverbindungen:



Datenquelleneigenschaften

Ändern Sie die Optionen für Namen, Typ und Verbindung.

Name: DataSource1

○ Freigegebene Verbindung oder Berichtsmodell verwenden

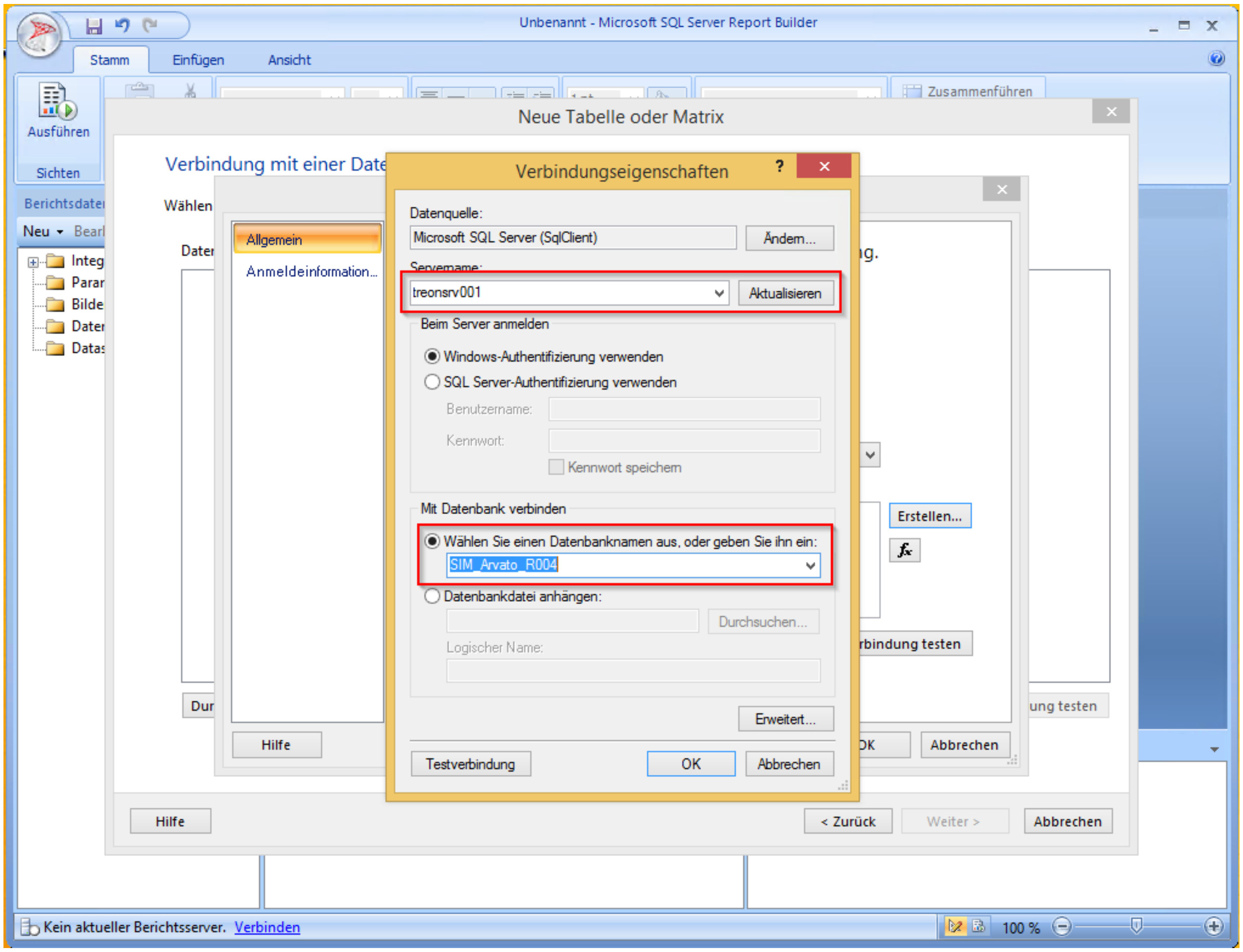
● In meinem Bericht eingebettete Verbindung verwenden

Verbindungstyp auswählen: Microsoft SQL Server

Verbindungszeichenfolge: Klicken Sie hier, um eine Verbindungszeichenfolge einzugeben oder einzufügen.

□ Beim Verarbeiten der Abfragen einzelne Transaktion verwenden

Selecting Server and Database



Datenquelle: Microsoft SQL Server (SqlClient)

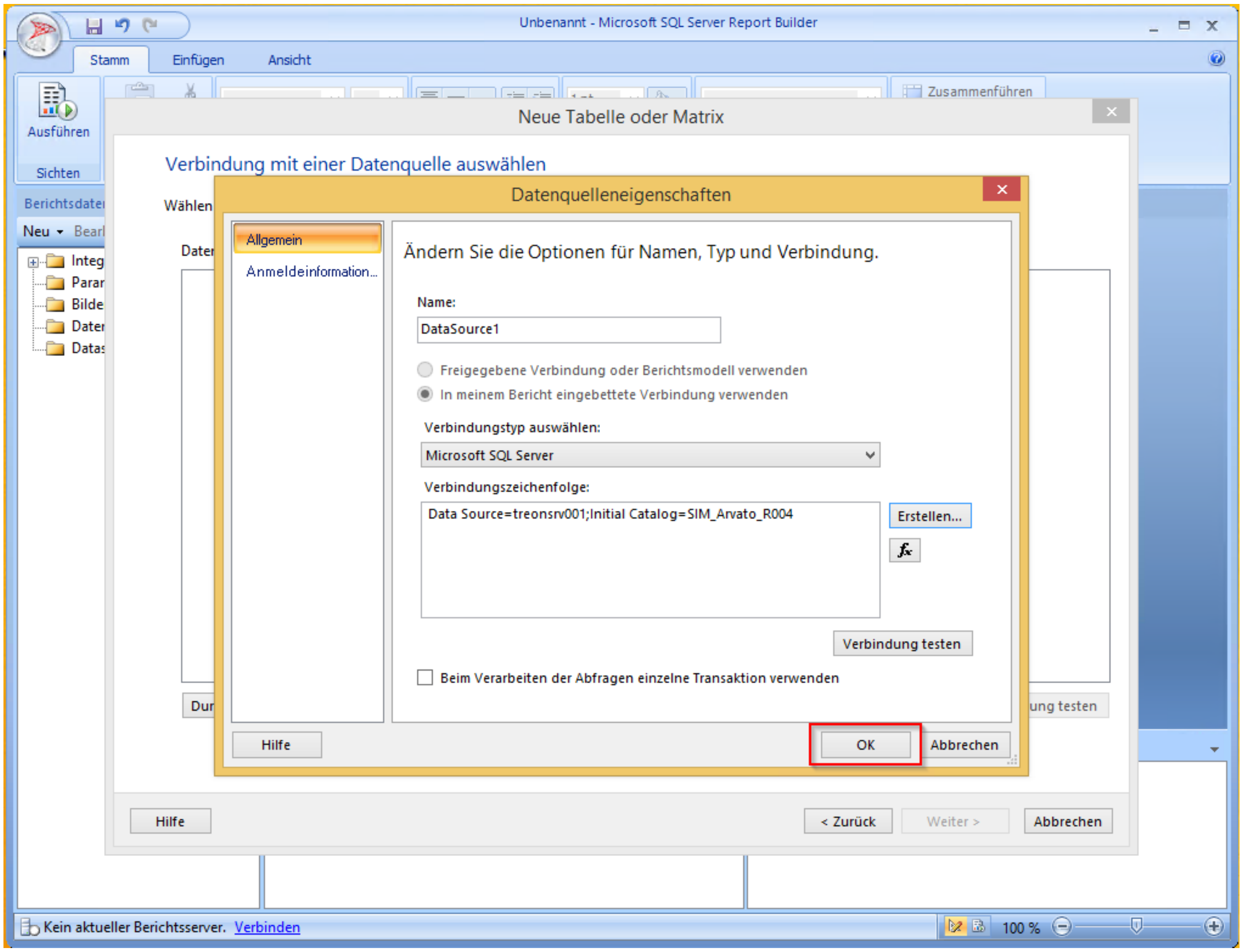
Servername: treonsrv001

● Windows-Authentifizierung verwenden

○ SQL Server-Authentifizierung verwenden

● Wählen Sie einen Datenbanknamen aus, oder geben Sie ihn ein: SIM_Arvato_R004

○ Datenbankdatei anhängen:



Unbenannt - Microsoft SQL Server Report Builder
Stamm
Einfügen
Ansicht
Ausführen
Sichten
Zusammenführen
Neue Tabelle oder Matrix
Verbindung mit einer Datenquelle auswählen
Datenquelleneigenschaften
Allgemein
Anmeldeinformation...

Ändern Sie die Optionen für Namen, Typ und Verbindung.

Name: DataSource1

○ Freigegebene Verbindung oder Berichtsmodell verwenden

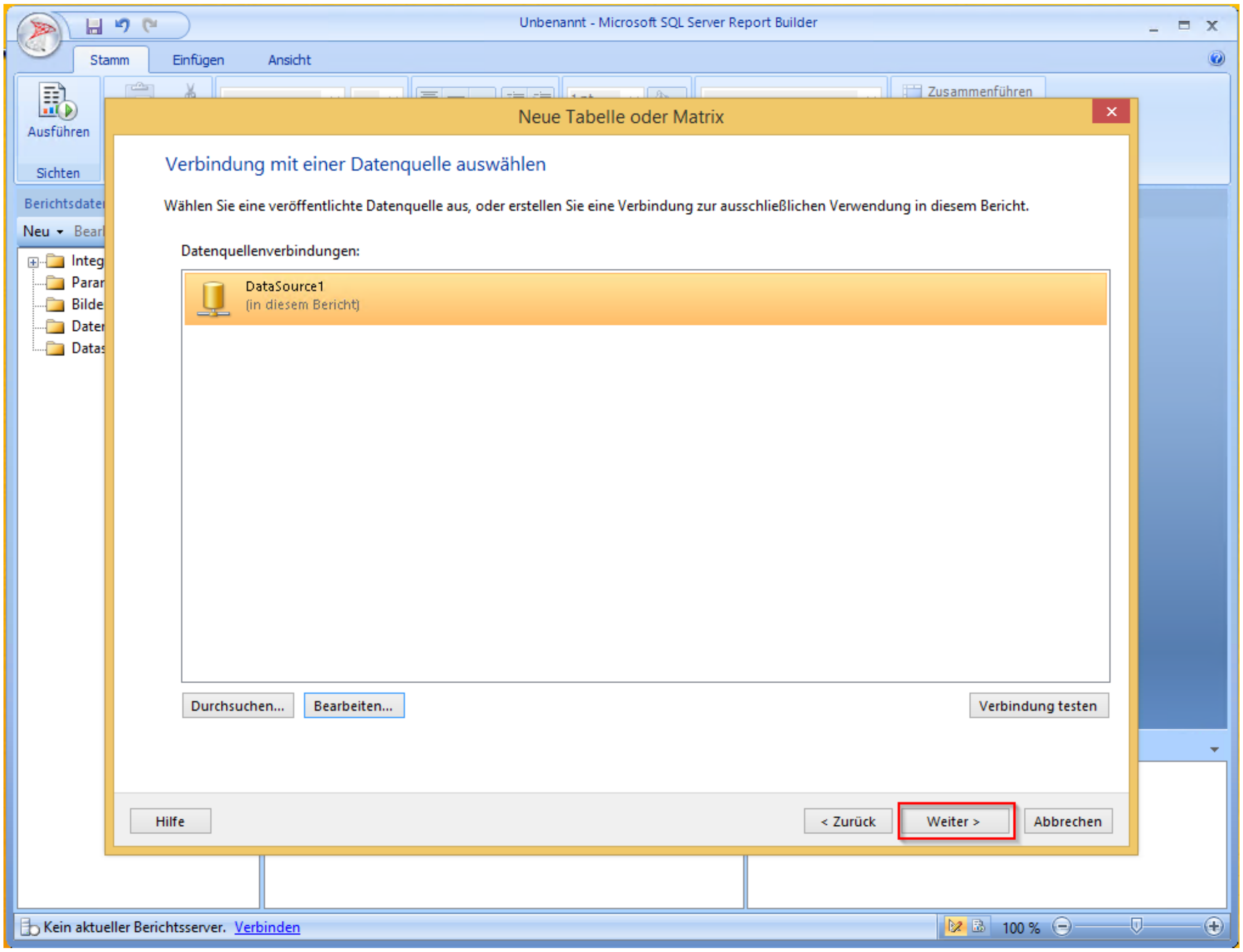
● In meinem Bericht eingebettete Verbindung verwenden

Verbindungstyp auswählen: Microsoft SQL Server

Verbindungszeichenfolge:

```
Data Source=treonsrv001;Initial Catalog=SIM_Arvato_R004
```

□ Beim Verarbeiten der Abfragen einzelne Transaktion verwenden



Neue Tabelle oder Matrix

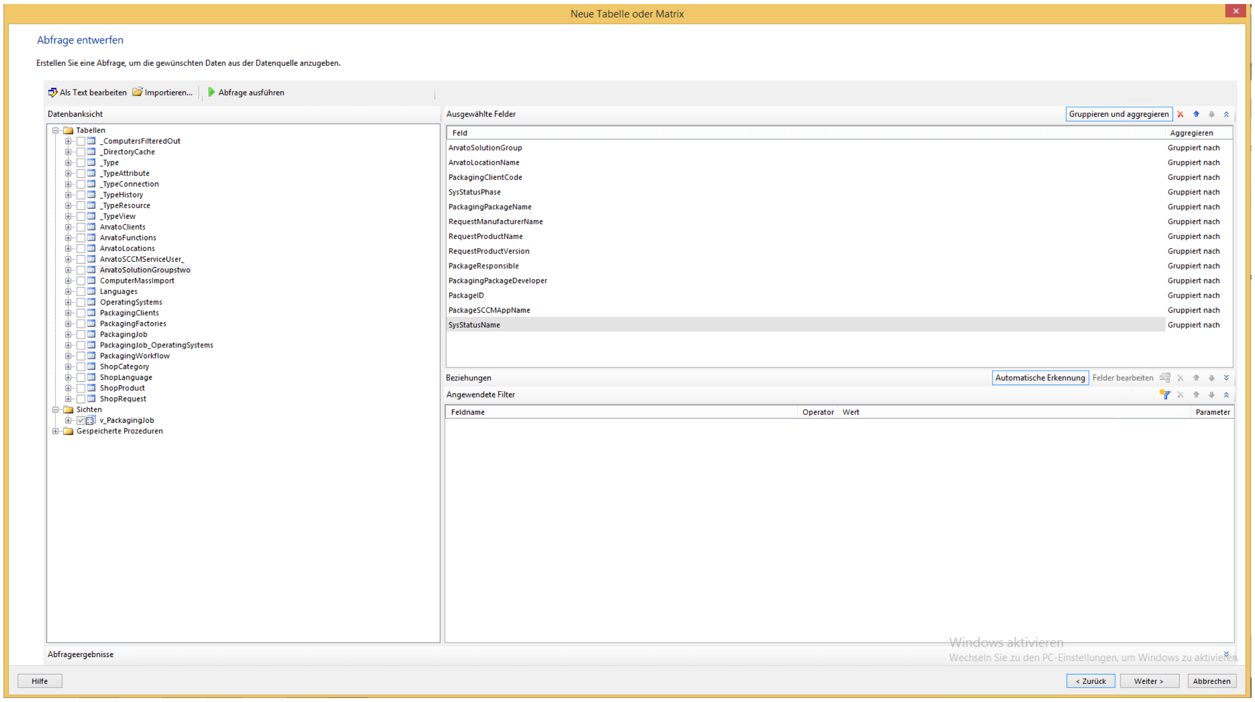
Verbindung mit einer Datenquelle auswählen

Wählen Sie eine veröffentlichte Datenquelle aus, oder erstellen Sie eine Verbindung zur ausschließlichen Verwendung in diesem Bericht.

Datenquellenverbindungen:

DataSource1
(in diesem Bericht)

Kein aktueller Berichtsserver. Verbinden



Neue Tabelle oder Matrix

Abfrage entwerfen

Erstellen Sie eine Abfrage, um die gewünschten Daten aus der Datenquelle anzugeben.

Datenbanksicht

- Tabellen
  - _ComputersFilteredOut
  - _DirectoryCache
  - _Type
  - _TypeAttribute
  - _TypeConnection
  - _TypeHistory
  - _TypeResource
  - _TypeView
  - ArvatoClients
  - ArvatoFunctions
  - ArvatoLocations
  - ArvatoSCCMServiceUser_
  - ArvatoSolutionGroupstwo
  - ComputerMassImport
  - Languages
  - OperatingSystems
  - PackagingClients
  - PackagingFactories
  - PackagingJob
  - PackagingJob_OperatingSystems
  - PackagingWorkflow
  - ShopCategory
  - ShopLanguage
  - ShopProduct
  - ShopRequest
- Sichten
  - ☑ v_PackagingJob
- Gespeicherte Prozeduren

Ausgewählte Felder

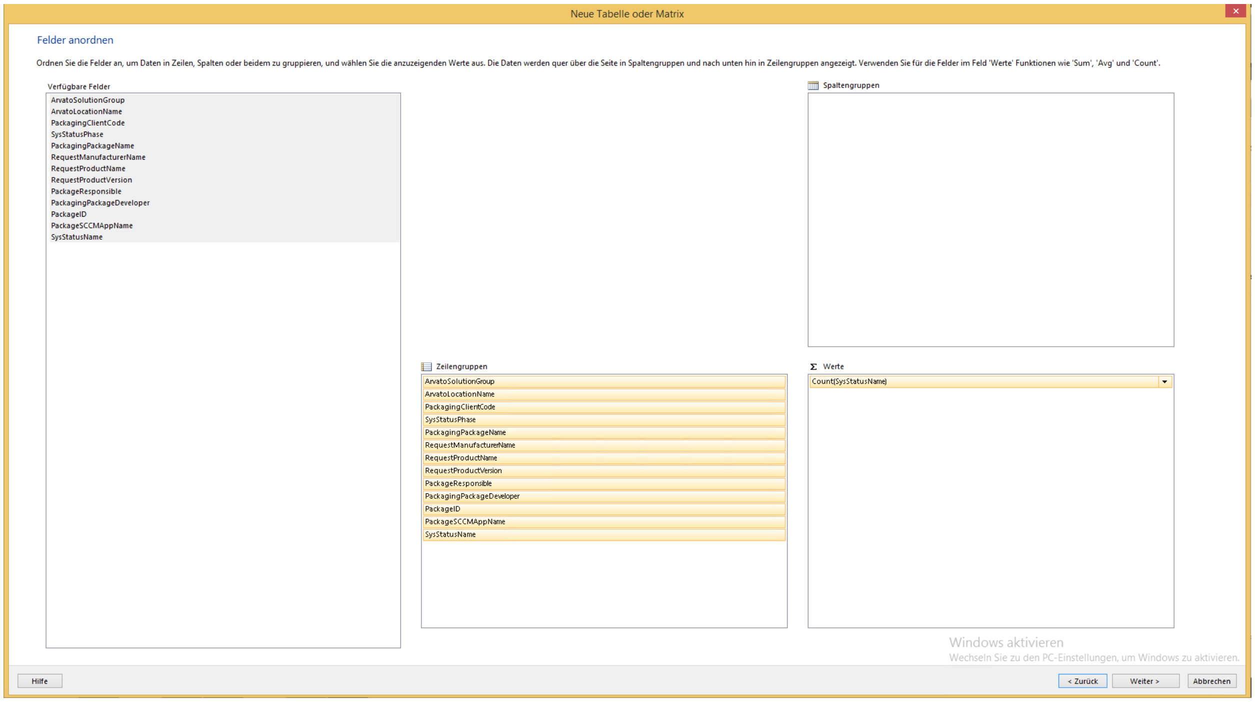
Feld	Aggregieren
ArvatoSolutionGroup	Gruppiert nach
ArvatoLocationName	Gruppiert nach
PackagingClientCode	Gruppiert nach
SysStatusPhase	Gruppiert nach
PackagingPackageName	Gruppiert nach
RequestManufacturerName	Gruppiert nach
RequestProductName	Gruppiert nach
RequestProductVersion	Gruppiert nach
PackageResponsible	Gruppiert nach
PackagingPackageDeveloper	Gruppiert nach
PackageID	Gruppiert nach
PackageSCCMAppName	Gruppiert nach
SysStatusName	Gruppiert nach

Beziehungen

Angewendete Filter

Feldname	Operator	Wert	Parameter

Abfrageergebnisse



Neue Tabelle oder Matrix

Felder anordnen

Ordnen Sie die Felder an, um Daten in Zeilen, Spalten oder beidem zu gruppieren, und wählen Sie die anzuzeigenden Werte aus. Die Daten werden quer über die Seite in Spaltengruppen und nach unten hin in Zeilengruppen angezeigt. Verwenden Sie für die Felder im Feld 'Werte' Funktionen wie 'Sum', 'Avg' und 'Count'.

Verfügbare Felder

- ArvatoSolutionGroup
- ArvatoLocationName
- PackagingClientCode
- SysStatusPhase
- PackagingPackageName
- RequestManufacturerName
- RequestProductName
- RequestProductVersion
- PackageResponsible
- PackagingPackageDeveloper
- PackageID
- PackageSCCMAppName
- SysStatusName

Spaltengruppen

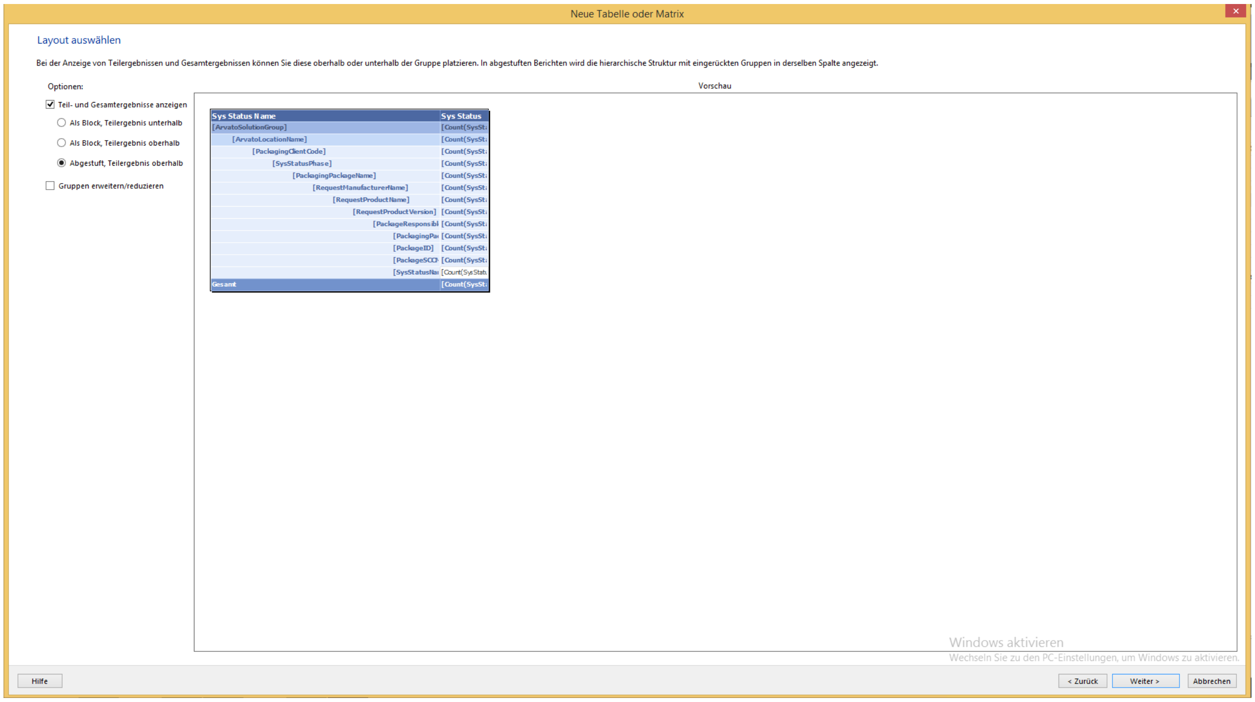
Zeilengruppen

- ArvatoSolutionGroup
- ArvatoLocationName
- PackagingClientCode
- SysStatusPhase
- PackagingPackageName
- RequestManufacturerName
- RequestProductName
- RequestProductVersion
- PackageResponsible
- PackagingPackageDeveloper
- PackageID
- PackageSCCMAppName
- SysStatusName

Werte

- Count(SysStatusName)

Windows aktivieren
Wechseln Sie zu den PC-Einstellungen, um Windows zu aktivieren.
Hilfe
< Zurück
Weiter >
Abbrechen



Neue Tabelle oder Matrix

Layout auswählen

Bei der Anzeige von Teilergebnissen und Gesamtergebnissen können Sie diese oberhalb oder unterhalb der Gruppe platzieren. In abgestuften Berichten wird die hierarchische Struktur mit eingerückten Gruppen in derselben Spalte angezeigt.

Optionen:

☑ Teil- und Gesamtergebnisse anzeigen

○ Als Block, Teilergebnis unterhalb

○ Als Block, Teilergebnis oberhalb

● Abgestuft, Teilergebnis oberhalb

□ Gruppen erweitern/reduzieren

Vorschau

Sys Status Name	Sys Status
[ArvatoSolutionGroup]	[Count(SysSt:
[ArvatoLocationName]	[Count(SysSt:
[PackagingClientCode]	[Count(SysSt:
[SysStatusPhase]	[Count(SysSt:
[PackagingPackageName]	[Count(SysSt:
[RequestManufacturerName]	[Count(SysSt:
[RequestProductName]	[Count(SysSt:
[RequestProductVersion]	[Count(SysSt:
[PackageResponsibl	[Count(SysSt:
[PackagingPa	[Count(SysSt:
[PackageID]	[Count(SysSt:
[PackageSCC	[Count(SysSt:
[SysStatusNa	[Count(SysStatu
Gesamt	[Count(SysSt:

Windows aktivieren
Wechseln Sie zu den PC-Einstellungen, um Windows zu aktivieren.
Hilfe
< Zurück
Weiter >
Abbrechen

1.4.16 KB00016 - Reinitializing AD Sync

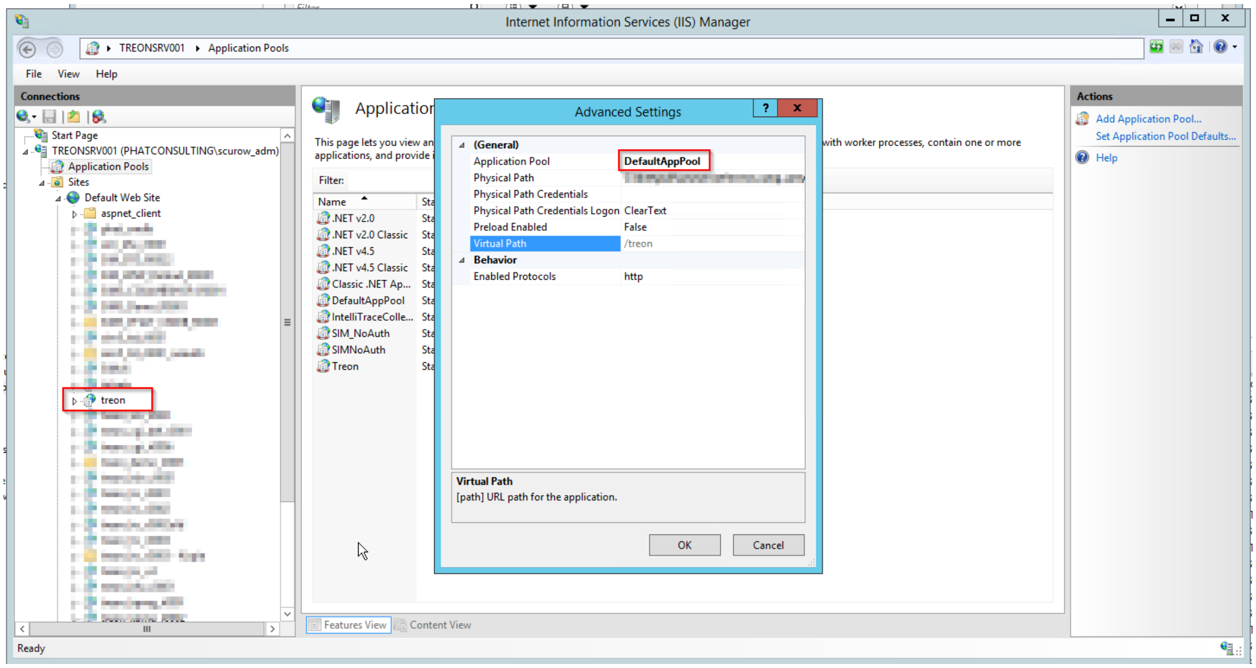
In this article:

- *Starting IIS Application Pool Recycle*
- *Finding Configuration.xml*

- *Resetting AD Sync Timer*
- *Starting and Checking AD Sync*

Starting IIS Application Pool Recycle

In order to discern the configurated App Pool, please follow the instruction below:



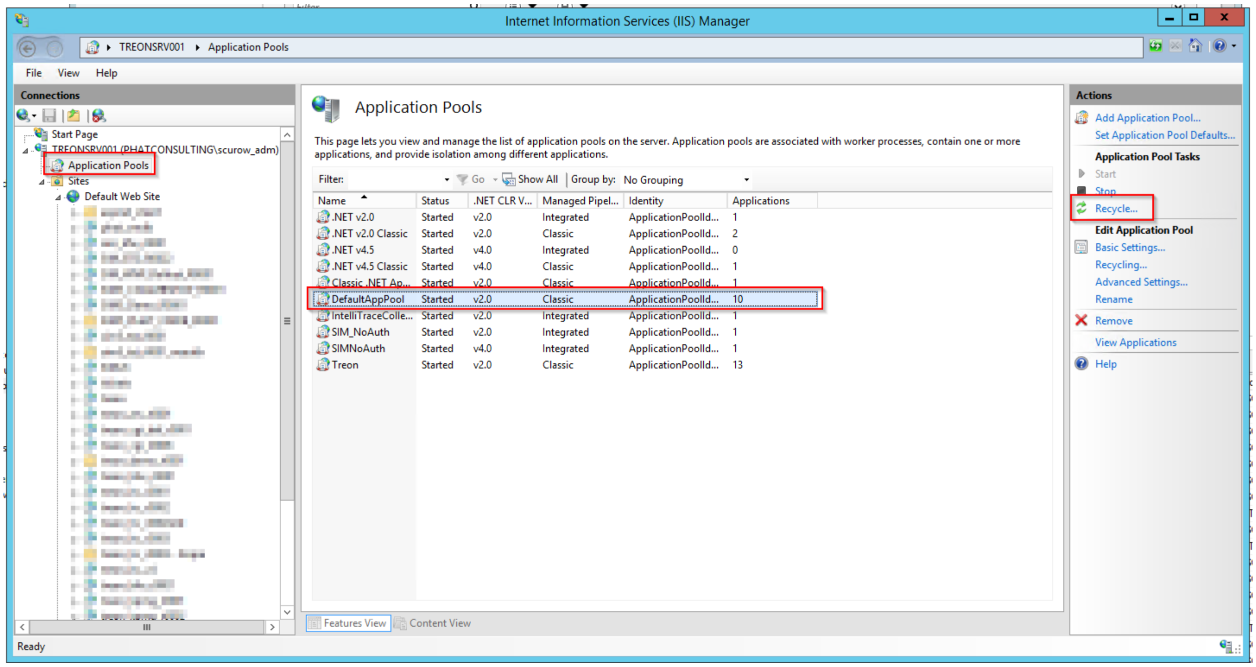
Advanced Settings

(General)	
Application Pool	**DefaultAppPool**
Physical Path	[redacted]
Physical Path Credentials	
Physical Path Credentials Logon	ClearText
Preload Enabled	False
Virtual Path	/treon
Behavior	
Enabled Protocols	http

Virtual Path

[path] URL path for the application.

Then, start recycling:



Application Pools

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.

Filter: Go Show All | Group by: No Grouping

Name	Status	.NET CLR V...	Managed Pipel...	Identity	Applications
.NET v2.0	Started	v2.0	Integrated	ApplicationPoolId...	1
.NET v2.0 Classic	Started	v2.0	Classic	ApplicationPoolId...	2
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId...	0
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId...	1
Classic .NET Ap...	Started	v2.0	Classic	ApplicationPoolId...	1
DefaultAppPool	Started	v2.0	Classic	ApplicationPoolId...	10
IntelliTraceColle...	Started	v2.0	Integrated	ApplicationPoolId...	1
SIM_NoAuth	Started	v2.0	Integrated	ApplicationPoolId...	1
SIMNoAuth	Started	v4.0	Integrated	ApplicationPoolId...	1
Treon	Started	v2.0	Classic	ApplicationPoolId...	13

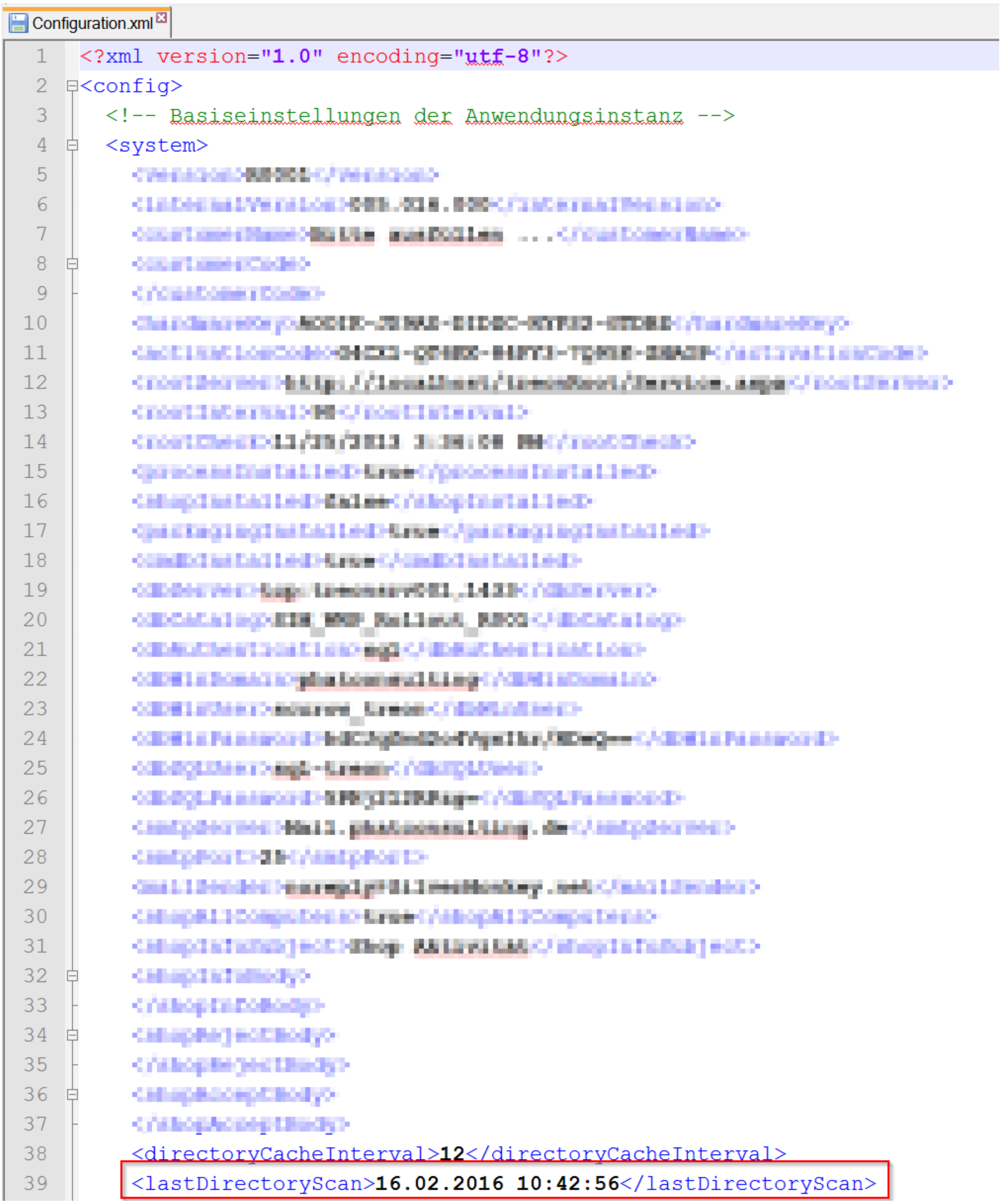
Finding Configuration.xml

Search for the Configuration.xml file in the system that delivers the IIS service in one of the following directories:

```
C:\inetpub\wwwroot\treon_r****\App_Data
C:\inetpub\wwwroot\sim_r****\App_Data
```

Resetting AD Sync Timer

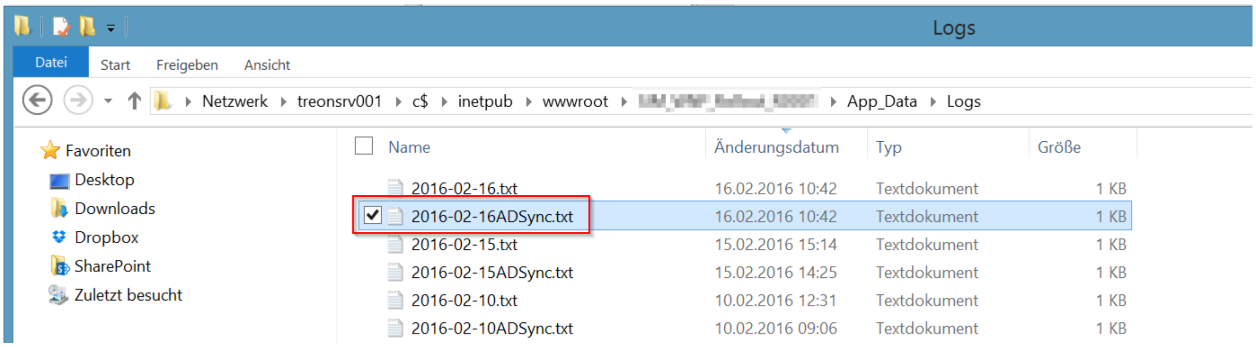
For example, set the value to one year in the past. Then save the file.



```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <!-- Basiseinstellungen der Anwendungsinstanz -->
  <system>
    [redacted]
    <directoryCacheInterval>12</directoryCacheInterval>
    <lastDirectoryScan>16.02.2016 10:42:56</lastDirectoryScan>
```

Starting and Checking AD Sync

Please reload the Silver Monkey website in your browser by pressing the F5-key. A new AdSync log file should be created in the log directory.



Netzwerk ▸ treonsrv001 ▸ c$ ▸ inetpub ▸ wwwroot ▸ [redacted] ▸ App_Data ▸ Logs

Name	Änderungsdatum	Typ	Größe
2016-02-16.txt	16.02.2016 10:42	Textdokument	1 KB
☑ 2016-02-16ADSync.txt	16.02.2016 10:42	Textdokument	1 KB
2016-02-15.txt	15.02.2016 15:14	Textdokument	1 KB
2016-02-15ADSync.txt	15.02.2016 14:25	Textdokument	1 KB
2016-02-10.txt	10.02.2016 12:31	Textdokument	1 KB
2016-02-10ADSync.txt	10.02.2016 09:06	Textdokument	1 KB

1.4.17 KB00017 - Configuration Manager Rights

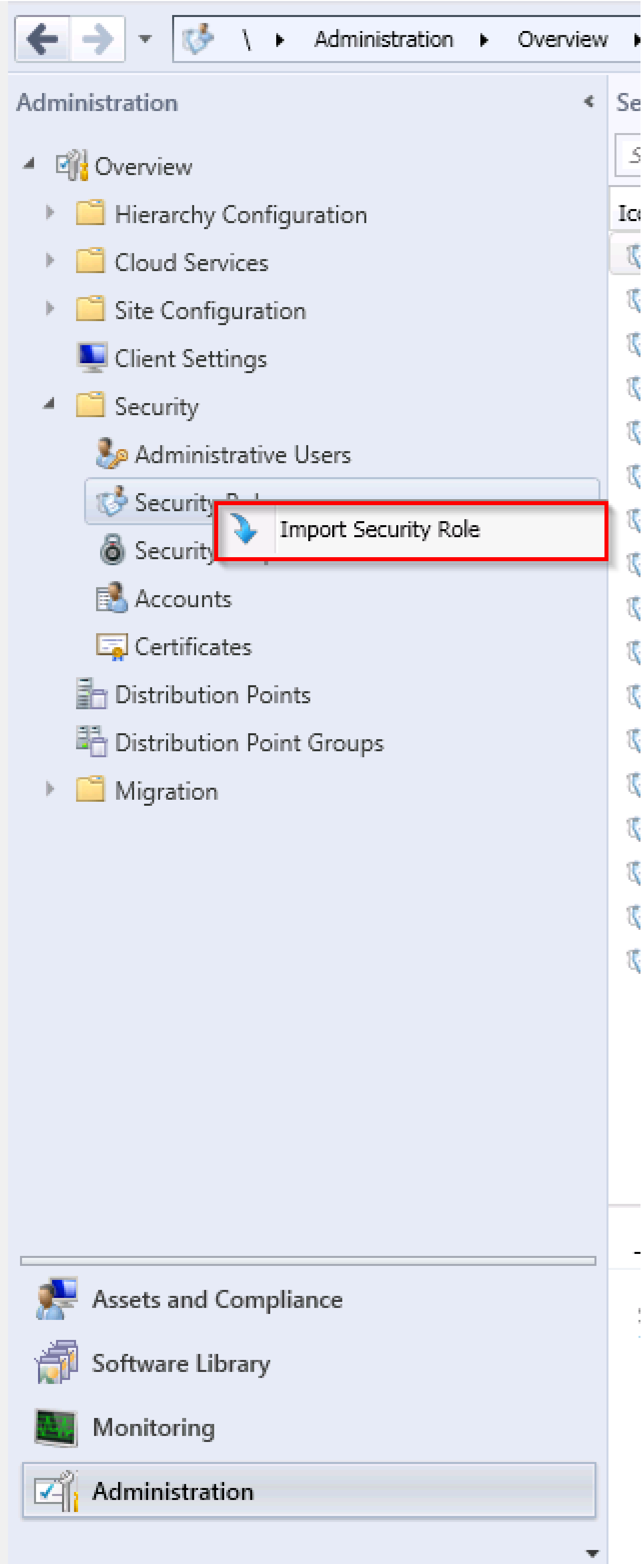
In this article:

- *ConfigMgr WMI API*
- *SQL Rights*

ConfigMgr WMI API

Import a role via the following xml File (zipped).

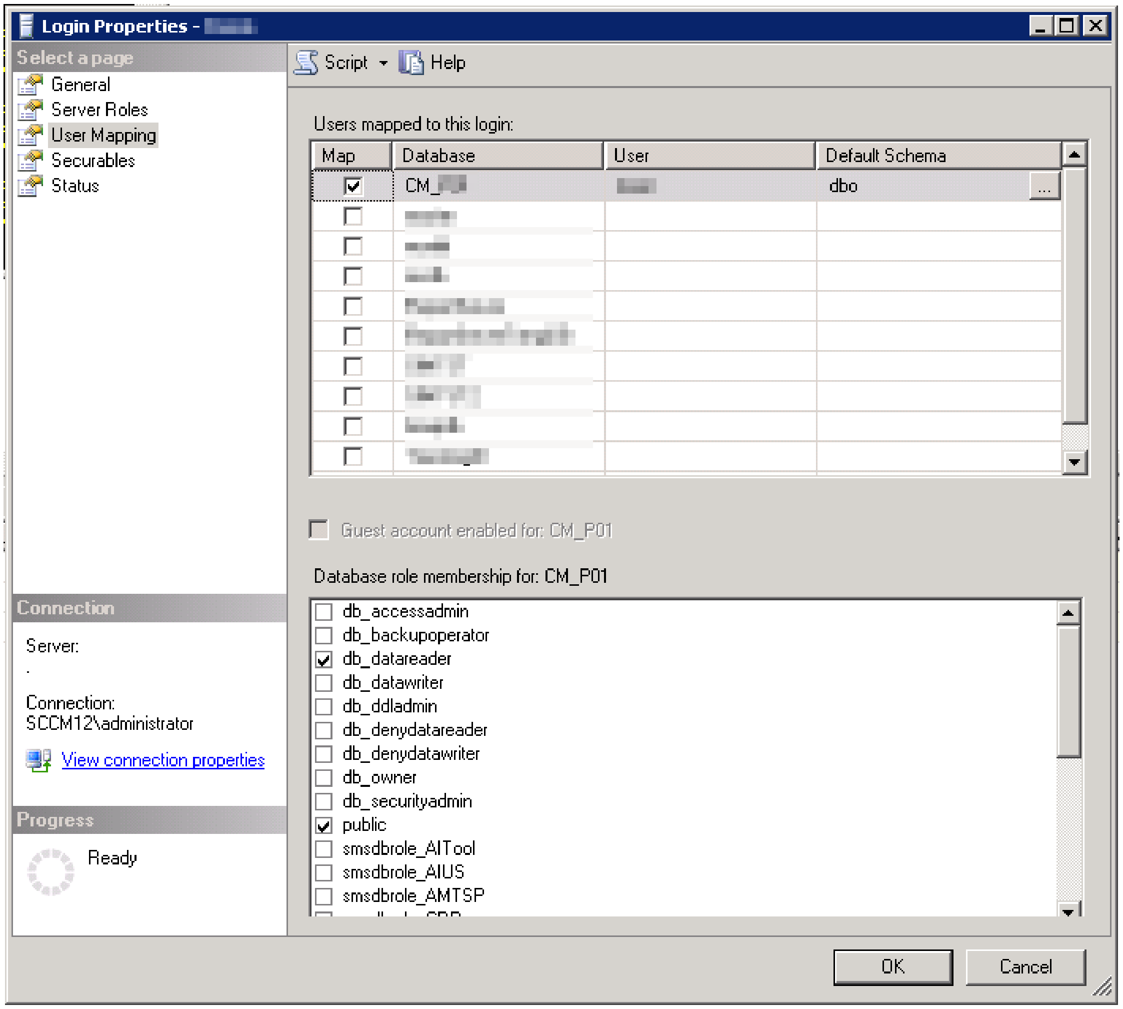
See `Dowload XML`.



After this entitle a corresponding user with this role.

SQL Rights

The following SQL rights have to be set for the Silver Monkey SCCM SQL DB Service Account:



Login Properties - [redacted]

Users mapped to this login:

Map	Database	User	Default Schema
☑	CM_[redacted]	[redacted]	dbo
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		

☐ Guest account enabled for: CM_P01

Database role membership for: CM_P01

- ☐ db_accessadmin
- ☐ db_backupoperator
- ☑ db_datareader
- ☐ db_datawriter
- ☐ db_ddladmin
- ☐ db_denydatareader
- ☐ db_denydatawriter
- ☐ db_owner
- ☐ db_securityadmin
- ☑ public
- ☐ smsdbrole_AITool
- ☐ smsdbrole_AIUS
- ☐ smsdbrole_AMTSP

Connection

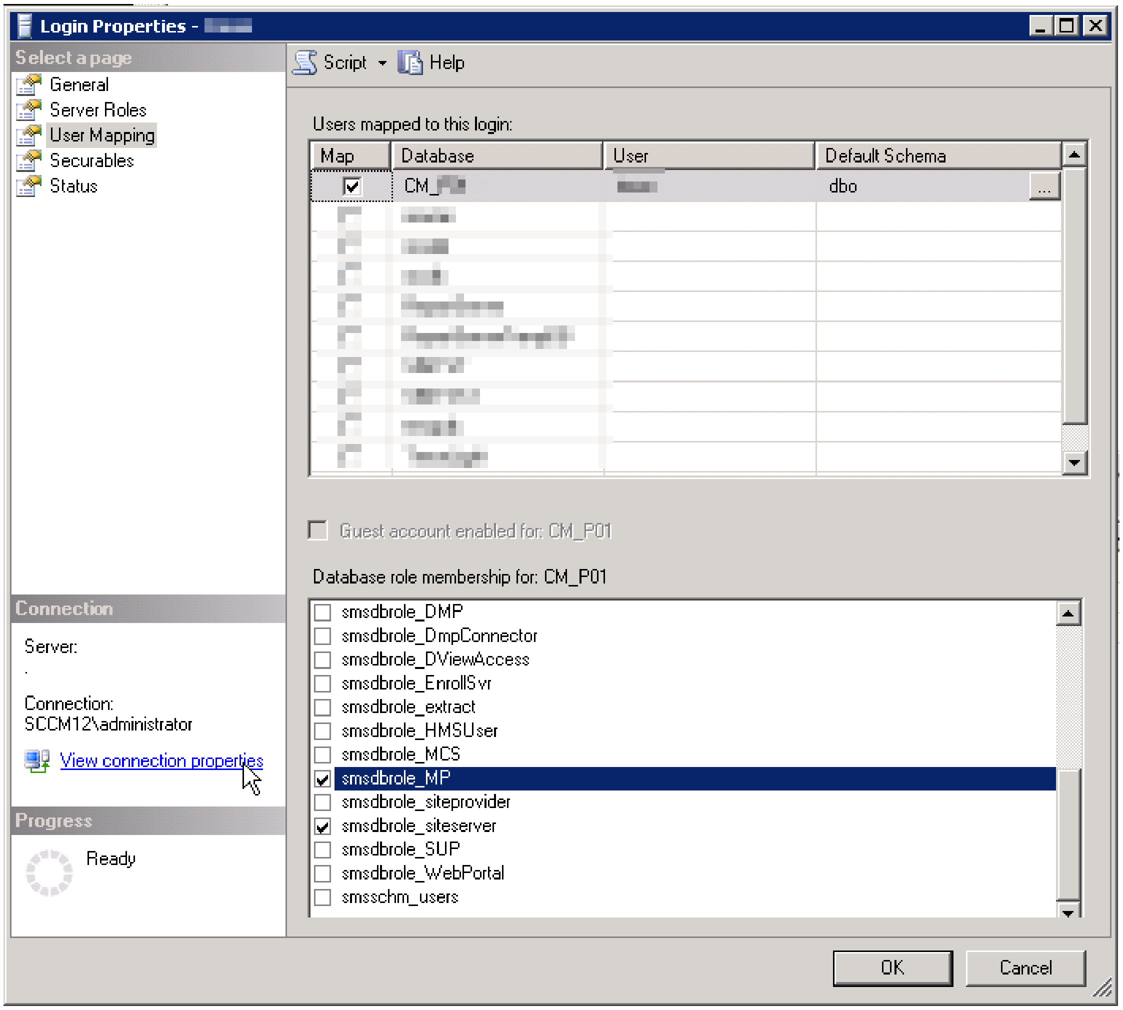
Server:
.

Connection:
SCCM12\administrator

View connection properties

Progress

Ready



Login Properties - [redacted]

Select a page

- General
- Server Roles
- User Mapping
- Securables
- Status

Users mapped to this login:

Map	Database	User	Default Schema
☑	CM_[redacted]	[redacted]	dbo
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		
☐	[redacted]		

☐ Guest account enabled for: CM_P01

Database role membership for: CM_P01

- ☐ smsdbrole_DMP
- ☐ smsdbrole_DmpConnector
- ☐ smsdbrole_DViewAccess
- ☐ smsdbrole_EnrollSvr
- ☐ smsdbrole_extract
- ☐ smsdbrole_HMSUser
- ☐ smsdbrole_MCS
- ☑ smsdbrole_MP
- ☐ smsdbrole_siteprovider
- ☑ smsdbrole_siteserver
- ☐ smsdbrole_SUP
- ☐ smsdbrole_WebPortal
- ☐ smsschm_users

Connection

Server:
.

Connection:
SCCM12\administrator

View connection properties

Progress

Ready

1.4.18 KB00018 - SCCM OS Notation

In this article: OS Notion for

- *Android*
- *iOS/iPad*
- *Mac*
- *Mobile/Symbian*
- *Windows XP, Vista, 7, 8 and Windows Server*
- *Windows Mobile*
- *Windows Phone*
- *Windows 10*

Android

"Android/All_Android",
"Android/Android_4_0",
"Android/Android_4_1",
"Android/Android_4_2"

iOS/iPad

"iOS/iPad",
"iOS/iPad_5",
"iOS/iPad_6",
"iOS/iPad_7",
"iOS/iPad_8",
"iOS/iPhone",
"iOS/iPhone_5",
"iOS/iPhone_6",
"iOS/iPhone_7",
"iOS/iPhone_8"

Mac

"Mac/All_Mac_10_10",
"Mac/All_Mac_10_6",
"Mac/All_Mac_10_7",
"Mac/All_Mac_10_8",
"Mac/All_Mac_10_9"

Mobile/Symbian

"Mobile/All_Mobile",
"Symbian/All_Symbian"

Windows XP, Vista, 7, 8 and Windows Server

"Windows/All_ARM_Windows_8.1",
"Windows/All_ARM_Windows_8.1_Client",
"Windows/All_ARM_Windows_8_Client",
"Windows/All_Embedded_Windows_XP",
"Windows/All_IA64_Windows_Server_2003_Non_R2",
"Windows/All_IA64_Windows_Server_2008",
"Windows/All_Windows_Client_Server",
"Windows/All_Windows_RT",
"Windows/All_x64_Windows_7_Client",
"Windows/All_x64_Windows_8.1",
"Windows/All_x64_Windows_8.1_and_higher_Clients",

"Windows/All_x64_Windows_8.1_Client",
"Windows/All_x64_Windows_8_and_higher_Client",
"Windows/All_x64_Windows_8_Client",
"Windows/All_x64_Windows_Embedded_8.1_Industry",
"Windows/All_x64_Windows_Embedded_8_Industry",
"Windows/All_x64_Windows_Embedded_8_Standard",
"Windows/All_x64_Windows_Server_2003_Non_R2",
"Windows/All_x64_Windows_Server_2003_R2",
"Windows/All_x64_Windows_Server_2008",
"Windows/All_x64_Windows_Server_2008_R2",
"Windows/All_x64_Windows_Server_2012_R2",
"Windows/All_x64_Windows_Server_2012_R2_and_higher",
"Windows/All_x64_Windows_Server_8",
"Windows/All_x64_Windows_Server_8_and_higher",
"Windows/All_x64_Windows_Vista",
"Windows/All_x64_Windows_XP_Professional",
"Windows/All_x86_Windows_7_Client",
"Windows/All_x86_Windows_8.1",
"Windows/All_x86_Windows_8.1_and_higher_Clients",
"Windows/All_x86_Windows_8.1_Client",
"Windows/All_x86_Windows_8_and_higher_Client",
"Windows/All_x86_Windows_8_Client",
"Windows/All_x86_Windows_Embedded_8.1_Industry",
"Windows/All_x86_Windows_Embedded_8_Industry",
"Windows/All_x86_Windows_Embedded_8_Standard",
"Windows/All_x86_Windows_Server_2003_Non_R2",
"Windows/All_x86_Windows_Server_2003_R2",
"Windows/All_x86_Windows_Server_2008",
"Windows/All_x86_Windows_Vista",
"Windows/All_x86_Windows_XP",
"Windows/IA64_Windows_Server_2003_SP1",
"Windows/IA64_Windows_Server_2003_SP2",
"Windows/IA64_Windows_Server_2008_original_release",
"Windows/IA64_Windows_Server_2008_SP2",
"Windows/x64_Embedded_Windows_7",
"Windows/x64_Windows_7_Client",
"Windows/x64_Windows_7_SP1",
"Windows/x64_Windows_Server_2003_R2_original_release_SP1",
"Windows/x64_Windows_Server_2003_R2_SP2",
"Windows/x64_Windows_Server_2003_SP1",
"Windows/x64_Windows_Server_2003_SP2",
"Windows/x64_Windows_Server_2008_Core",
"Windows/x64_Windows_Server_2008_original_release",
"Windows/x64_Windows_Server_2008_R2",
"Windows/x64_Windows_Server_2008_R2_Core",
"Windows/x64_Windows_Server_2008_R2_SP1",
"Windows/x64_Windows_Server_2008_R2_SP1_Core",

"Windows/x64_Windows_Server_2008_SP2",
"Windows/x64_Windows_Server_2008_SP2_Core",
"Windows/x64_Windows_Vista_Original_Release",
"Windows/x64_Windows_Vista_SP1",
"Windows/x64_Windows_Vista_SP2",
"Windows/x64_Windows_XP_Professional_SP1",
"Windows/x64_Windows_XP_Professional_SP2",
"Windows/x86_Embedded_Windows_7",
"Windows/x86_Windows_7_Client",
"Windows/x86_Windows_7_SP1",
"Windows/x86_Windows_Server_2003_R2_original_release_SP1",
"Windows/x86_Windows_Server_2003_R2_SP2",
"Windows/x86_Windows_Server_2003_SP1",
"Windows/x86_Windows_Server_2003_SP2",
"Windows/x86_Windows_Server_2008_Core",
"Windows/x86_Windows_Server_2008_original_release",
"Windows/x86_Windows_Server_2008_SP2",
"Windows/x86_Windows_Vista_Original_Release",
"Windows/x86_Windows_Vista_SP1",
"Windows/x86_Windows_Vista_SP2",
"Windows/x86_Windows_XP_Professional_Service_Pack_2",
"Windows/x86_Windows_XP_Professional_Service_Pack_3"

Windows Mobile

"WindowsMobile/All_Windows_Mobile",
"WindowsMobile/Windows_Mobile_6.1",
"WindowsMobile/Windows_Mobile_6.5"

Windows Phone

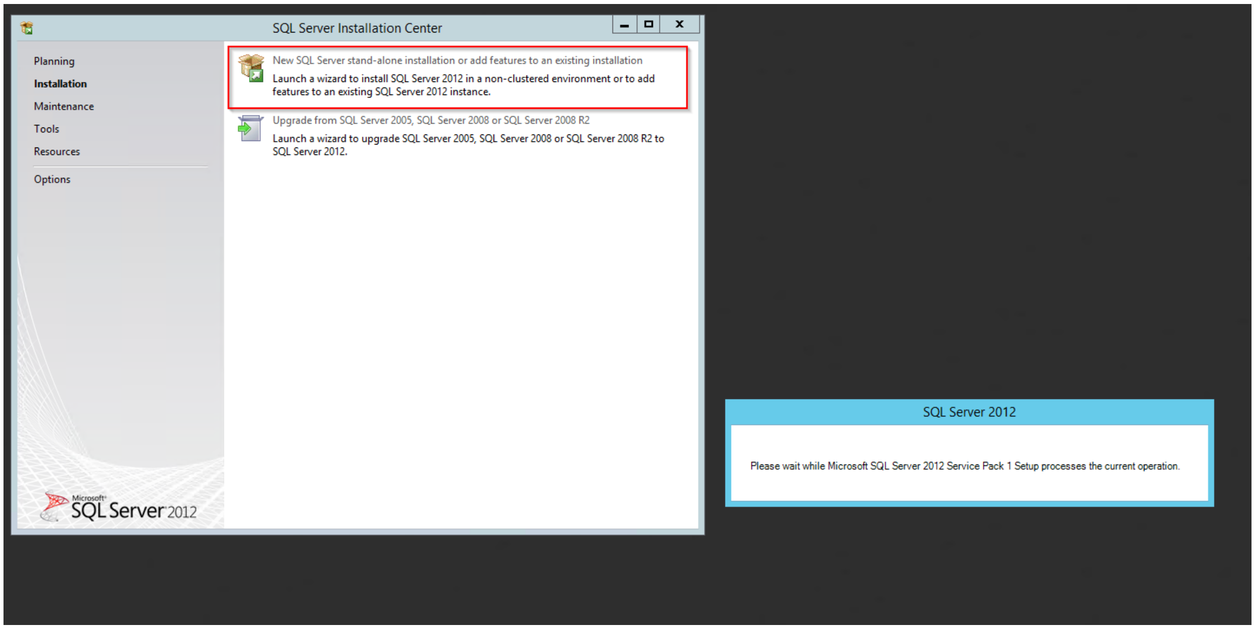
"WindowsPhone/All_Windows_Phone",
"WindowsPhone/Windows_Phone_8"

Windows 10

"Windows/All_x64_Windows_10_and_higher_Clients"

1.4.19 KB00019 - Installing and Configurating SQL

Please follow the instructions below to install and configurate your SQL.



SQL Server Installation Center

New SQL Server stand-alone installation or add features to an existing installation

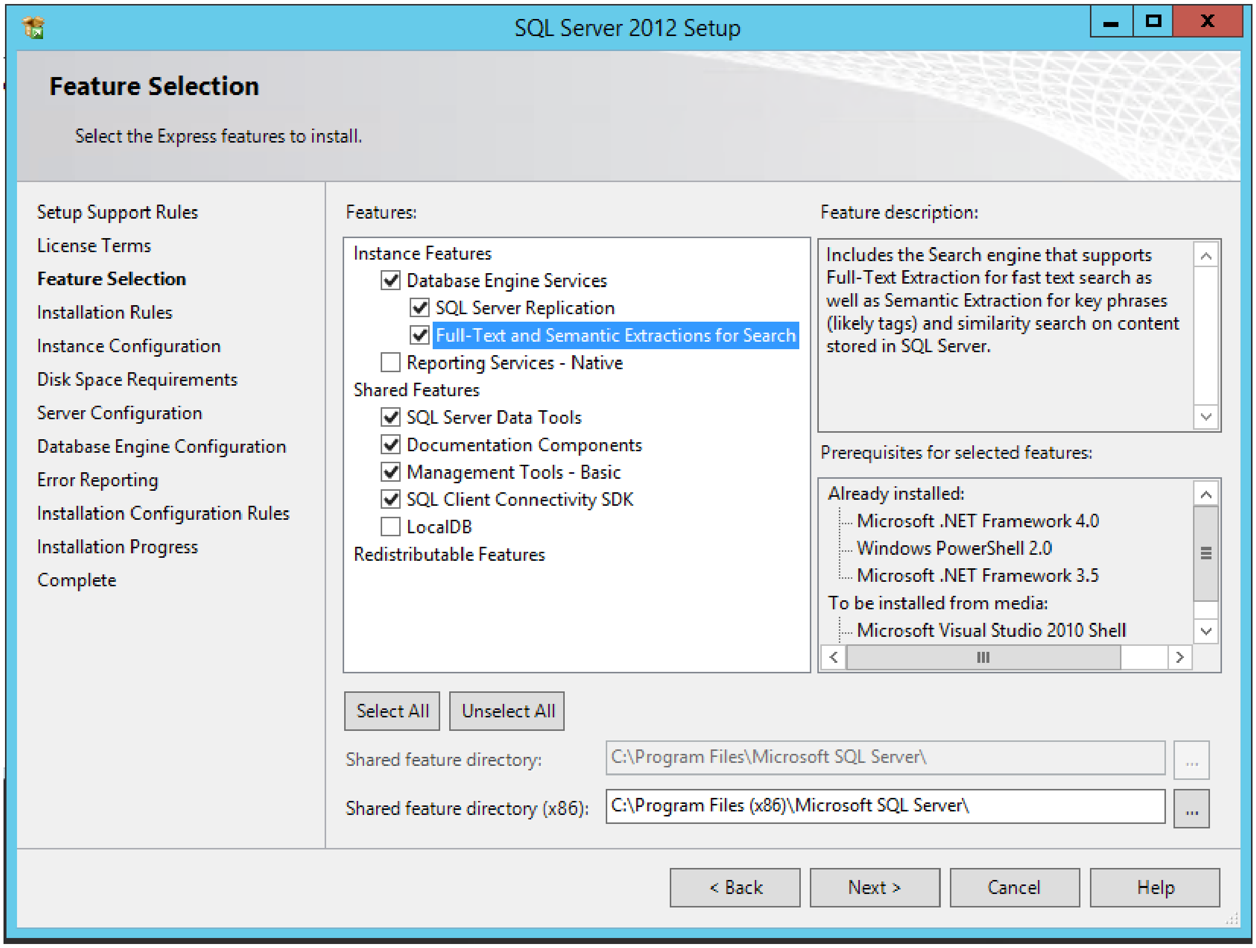
Launch a wizard to install SQL Server 2012 in a non-clustered environment or to add features to an existing SQL Server 2012 instance.

Upgrade from SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2

Launch a wizard to upgrade SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 to SQL Server 2012.

SQL Server 2012

Please wait while Microsoft SQL Server 2012 Service Pack 1 Setup processes the current operation.



SQL Server 2012 Setup

Feature Selection

Select the Express features to install.

Features:

Instance Features
- ☑ Database Engine Services
  - ☑ SQL Server Replication
  - ☑ Full-Text and Semantic Extractions for Search
- □ Reporting Services - Native

Shared Features
- ☑ SQL Server Data Tools
- ☑ Documentation Components
- ☑ Management Tools - Basic
- ☑ SQL Client Connectivity SDK
- □ LocalDB

Redistributable Features

Feature description:

Includes the Search engine that supports Full-Text Extraction for fast text search as well as Semantic Extraction for key phrases (likely tags) and similarity search on content stored in SQL Server.

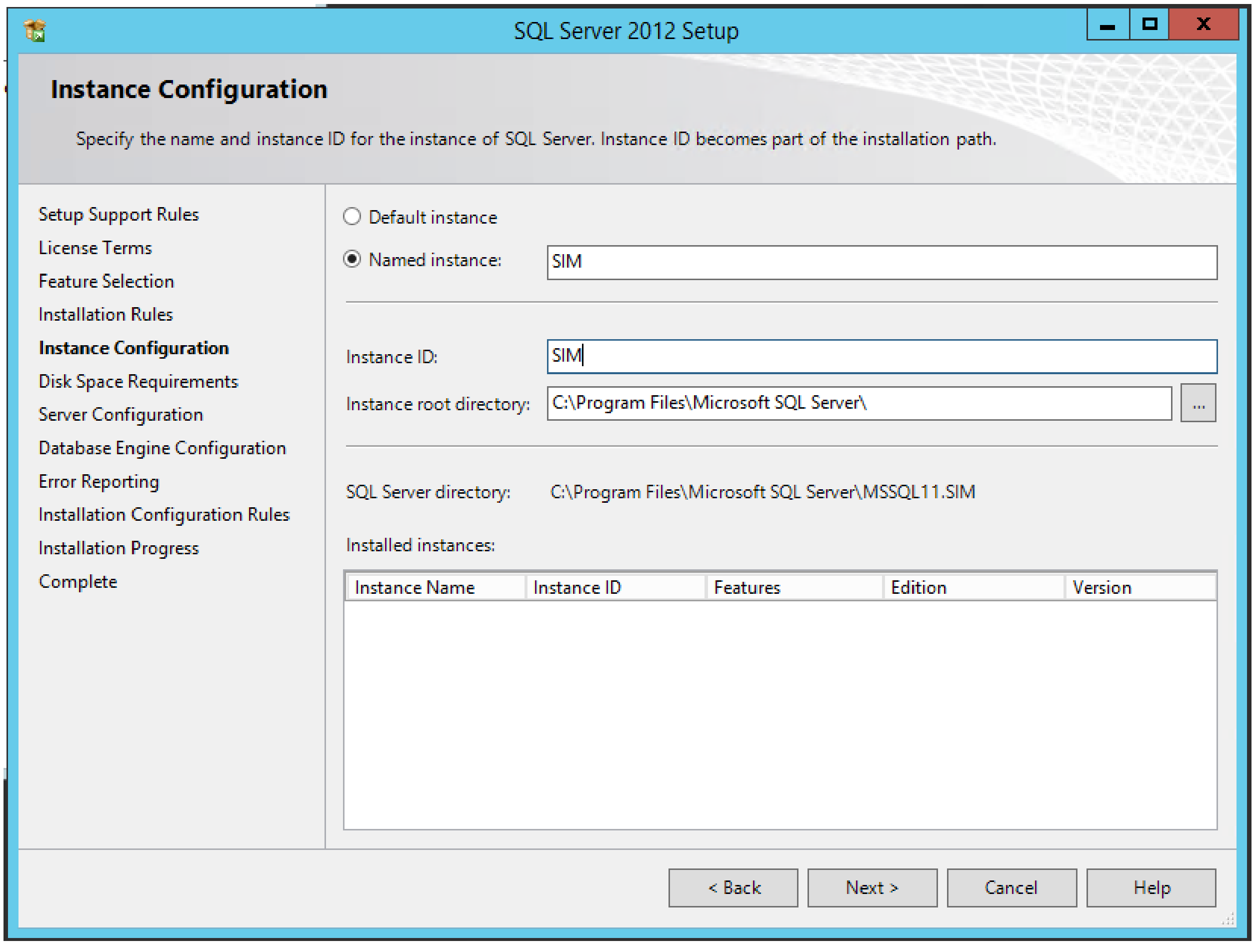
Prerequisites for selected features:

Already installed:
- Microsoft .NET Framework 4.0
- Windows PowerShell 2.0
- Microsoft .NET Framework 3.5

To be installed from media:
- Microsoft Visual Studio 2010 Shell

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\



Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

○ Default instance

● Named instance: SIM

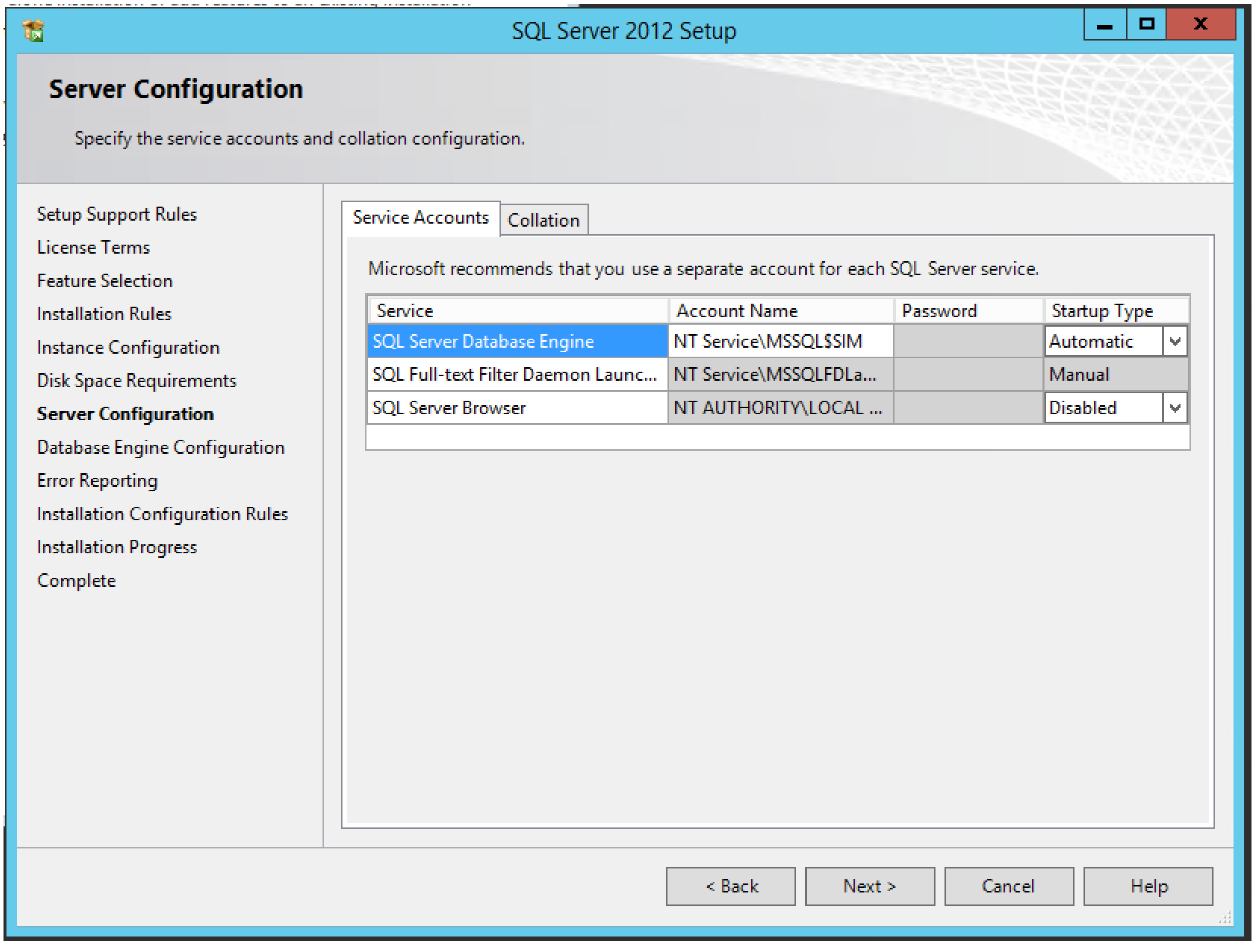
Instance ID: SIM

Instance root directory: C:\Program Files\Microsoft SQL Server\

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL11.SIM

Installed instances:

Instance Name	Instance ID	Features	Edition	Version



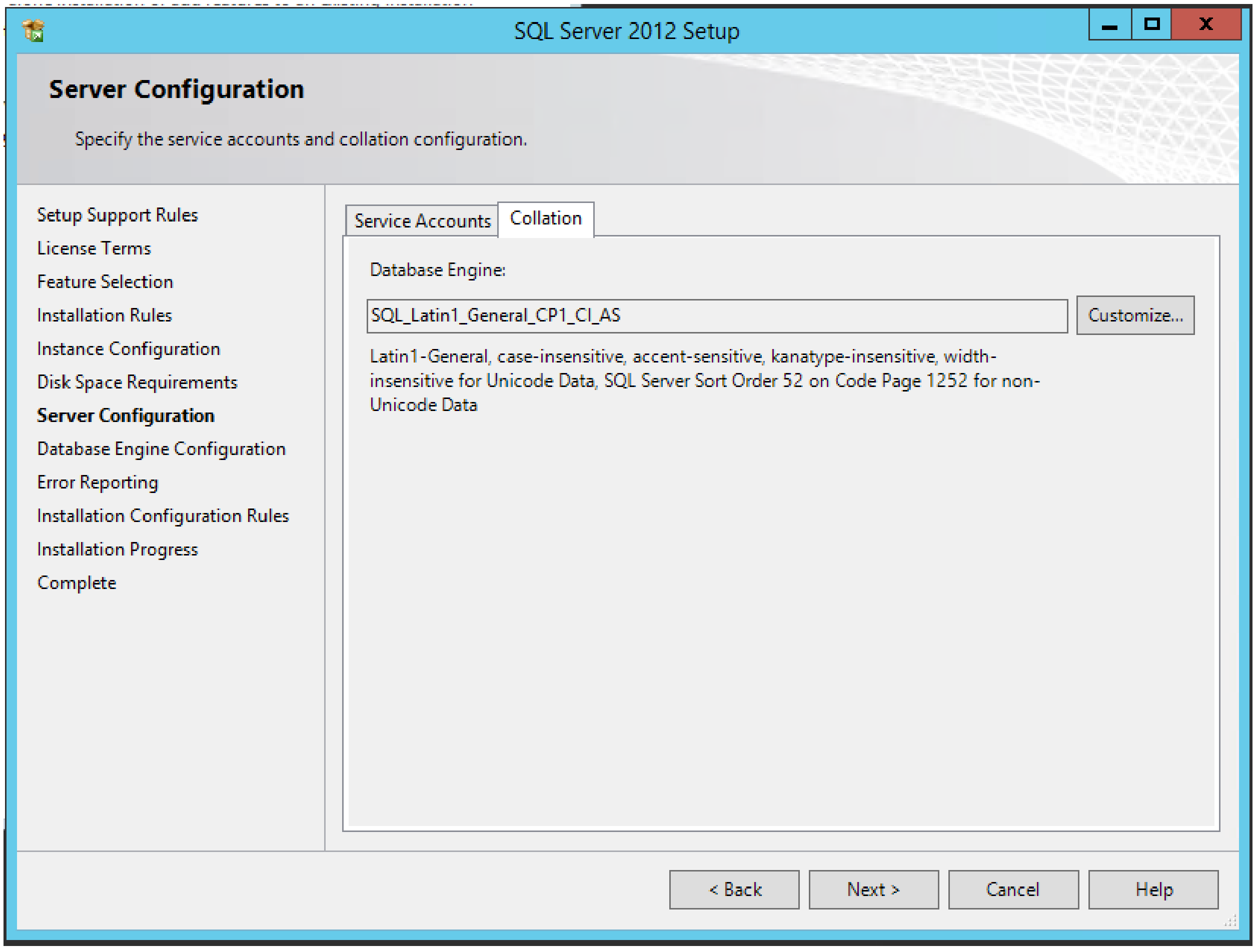
SQL Server 2012 Setup

Server Configuration

Specify the service accounts and collation configuration.

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine	NT Service\MSSQL$SIM		Automatic
SQL Full-text Filter Daemon Launc...	NT Service\MSSQLFDLa...		Manual
SQL Server Browser	NT AUTHORITY\LOCAL ...		Disabled

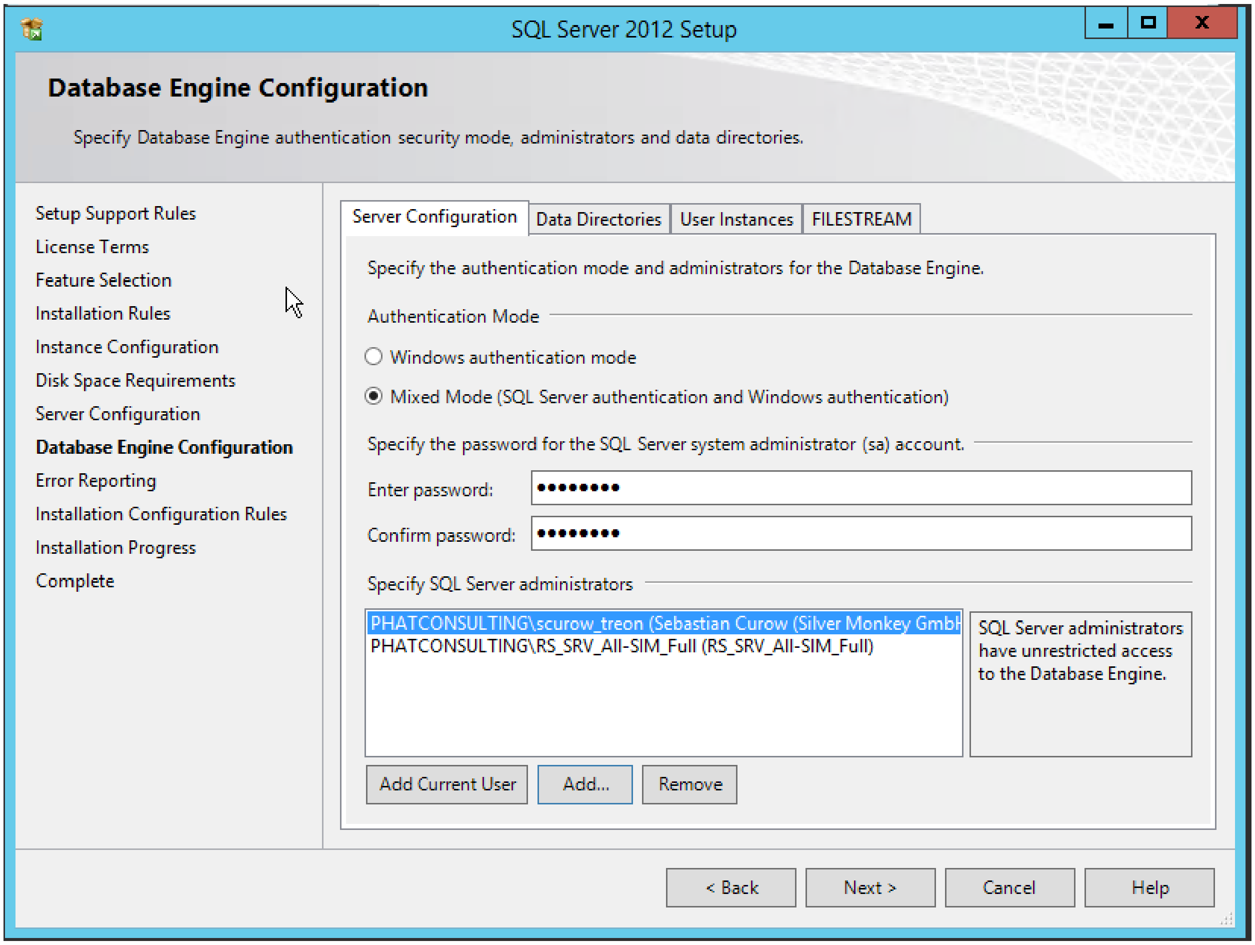


Server Configuration

Specify the service accounts and collation configuration.

Database Engine: SQL_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



Database Engine Configuration

Specify Database Engine authentication security mode, administrators and data directories.

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.

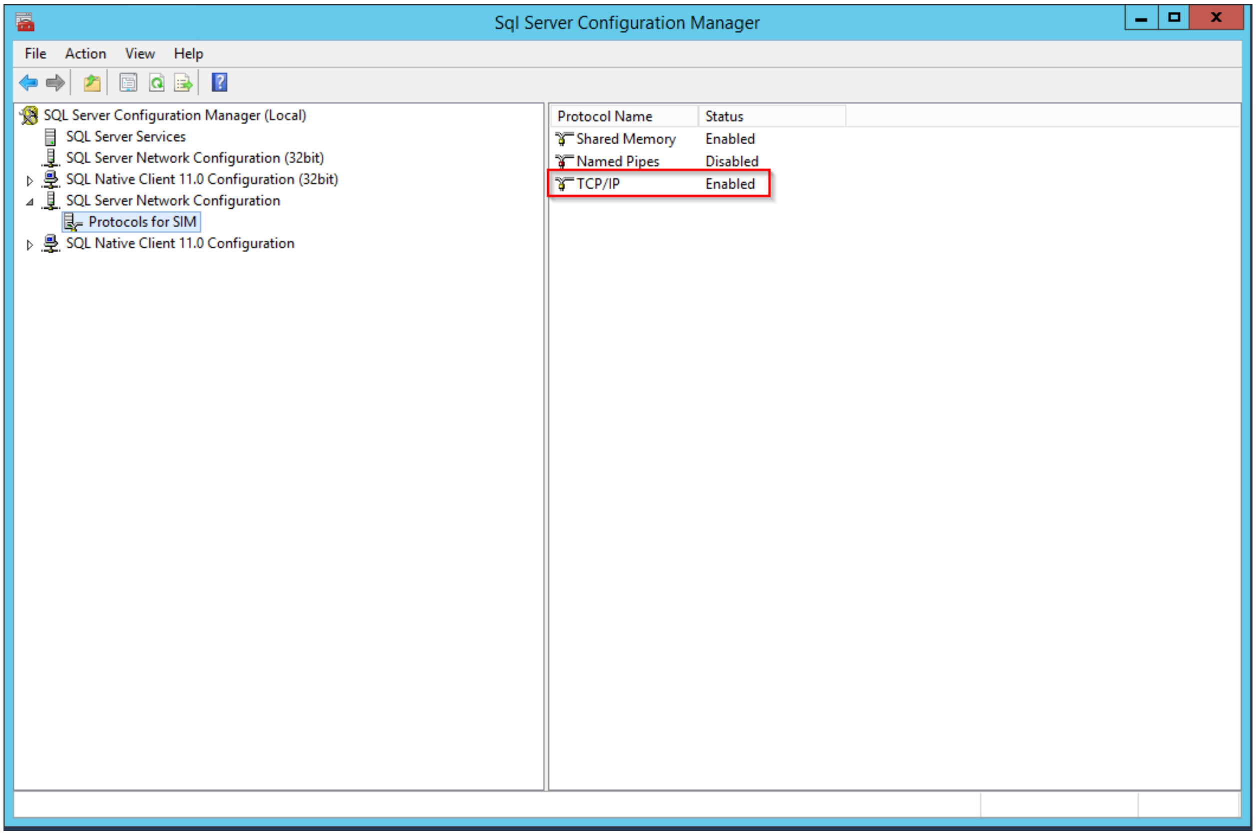
Enter password: ••••••••

Confirm password: ••••••••

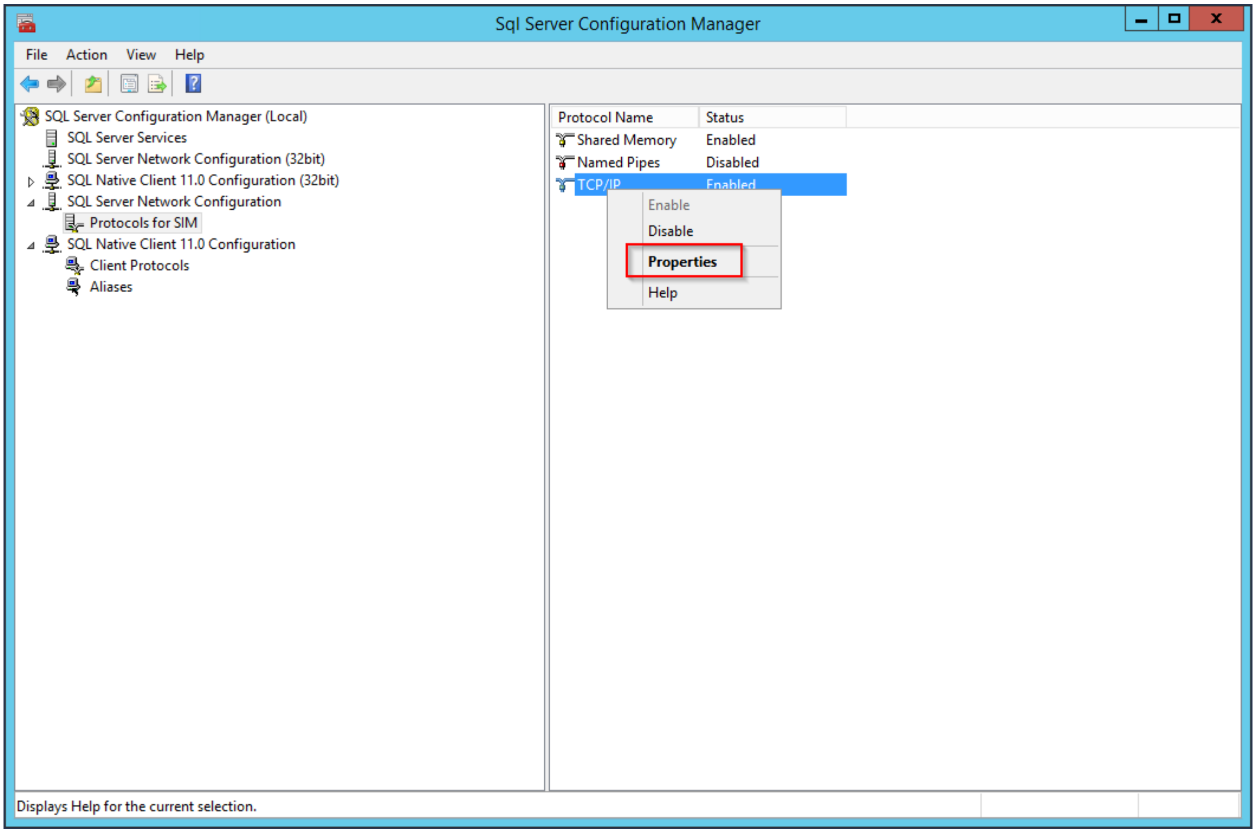
Specify SQL Server administrators

PHATCONSULTING\scurow_treon (Sebastian Curow (Silver Monkey GmbH
PHATCONSULTING\RS_SRV_All-SIM_Full (RS_SRV_All-SIM_Full)

SQL Server administrators have unrestricted access to the Database Engine.

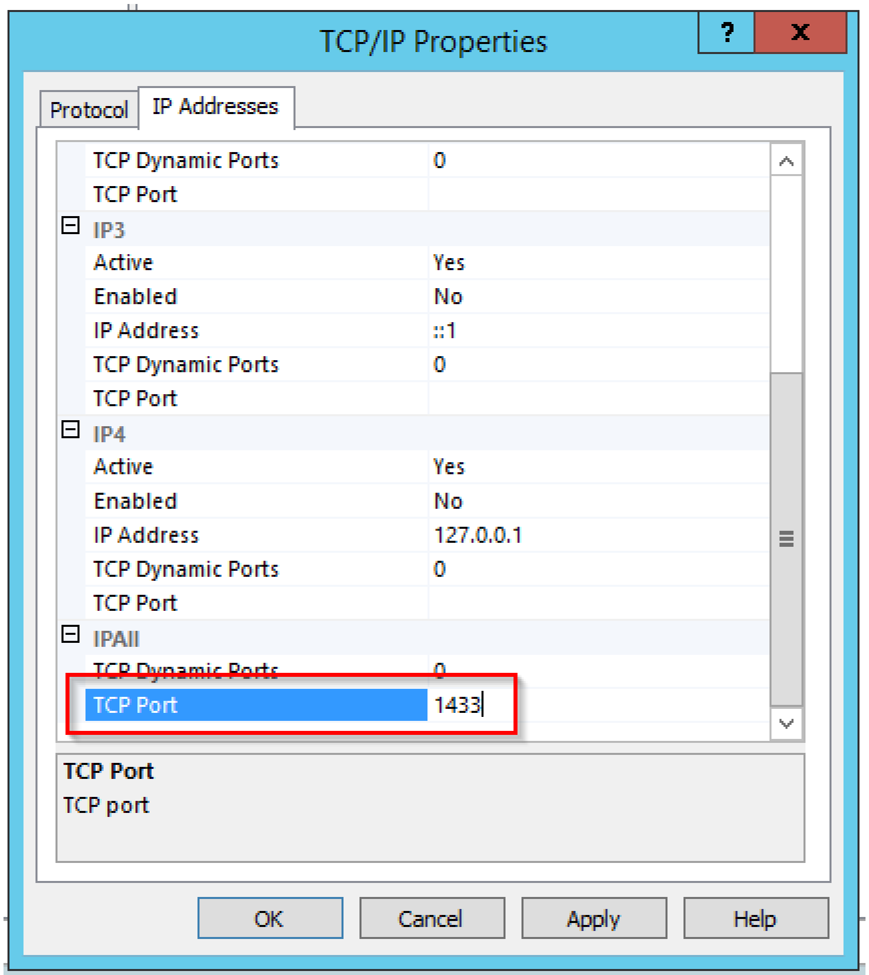

Sql Server Configuration Manager
File
Action
View
Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit)
SQL Native Client 11.0 Configuration (32bit)
SQL Server Network Configuration
Protocols for SIM
SQL Native Client 11.0 Configuration

Protocol Name	Status
Shared Memory	Enabled
Named Pipes	Disabled
TCP/IP	Enabled


Sql Server Configuration Manager
File
Action
View
Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit)
SQL Native Client 11.0 Configuration (32bit)
SQL Server Network Configuration
Protocols for SIM
SQL Native Client 11.0 Configuration
Client Protocols
Aliases
Enable
Disable
Properties
Help

Protocol Name	Status
Shared Memory	Enabled
Named Pipes	Disabled
TCP/IP	Enabled

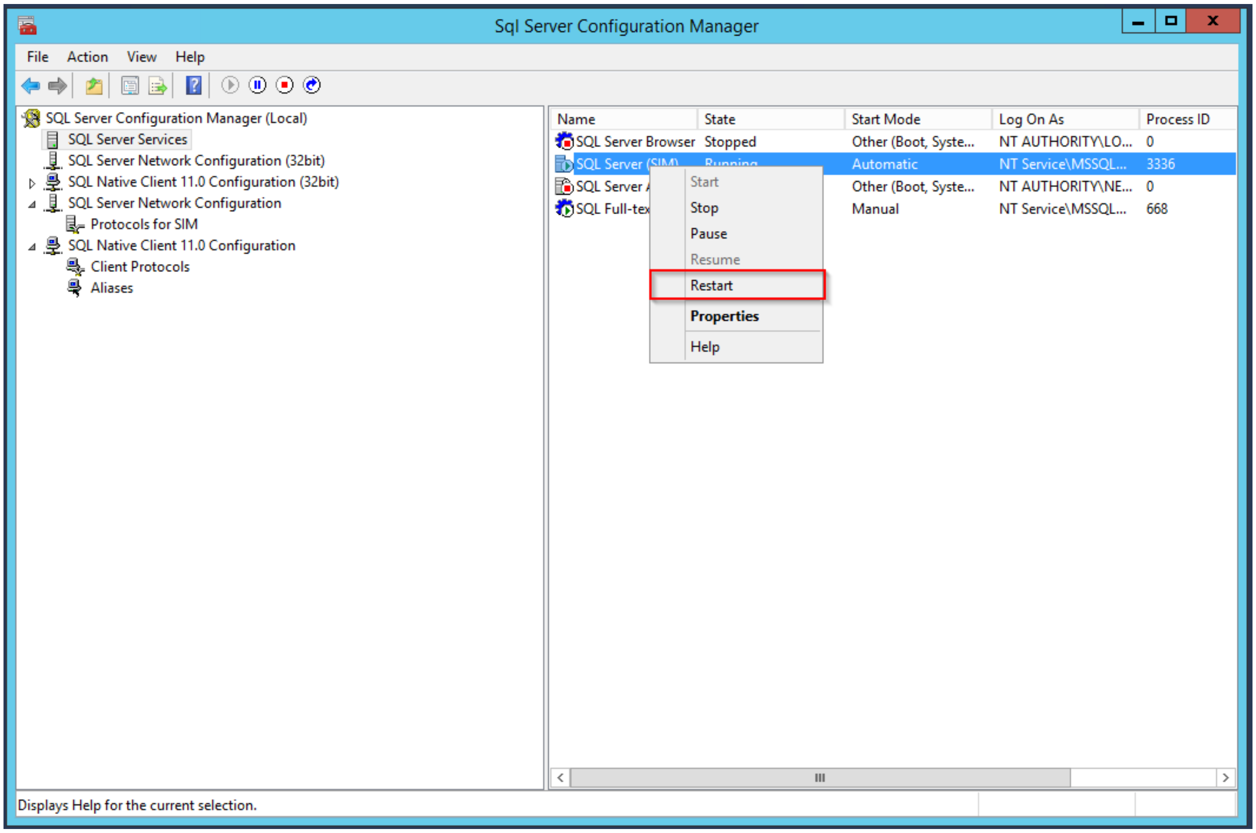
Displays Help for the current selection.



TCP Dynamic Ports	0
TCP Port	
⊟ IP3	
Active	Yes
Enabled	No
IP Address	::1
TCP Dynamic Ports	0
TCP Port	
⊟ IP4	
Active	Yes
Enabled	No
IP Address	127.0.0.1
TCP Dynamic Ports	0
TCP Port	
⊟ IPAll	
TCP Dynamic Ports	0
TCP Port	1433

TCP Port

TCP port


Sql Server Configuration Manager
File
Action
View
Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit)
SQL Native Client 11.0 Configuration (32bit)
SQL Server Network Configuration
Protocols for SIM
SQL Native Client 11.0 Configuration
Client Protocols
Aliases
Start
Stop
Pause
Resume
Restart
Properties
Help

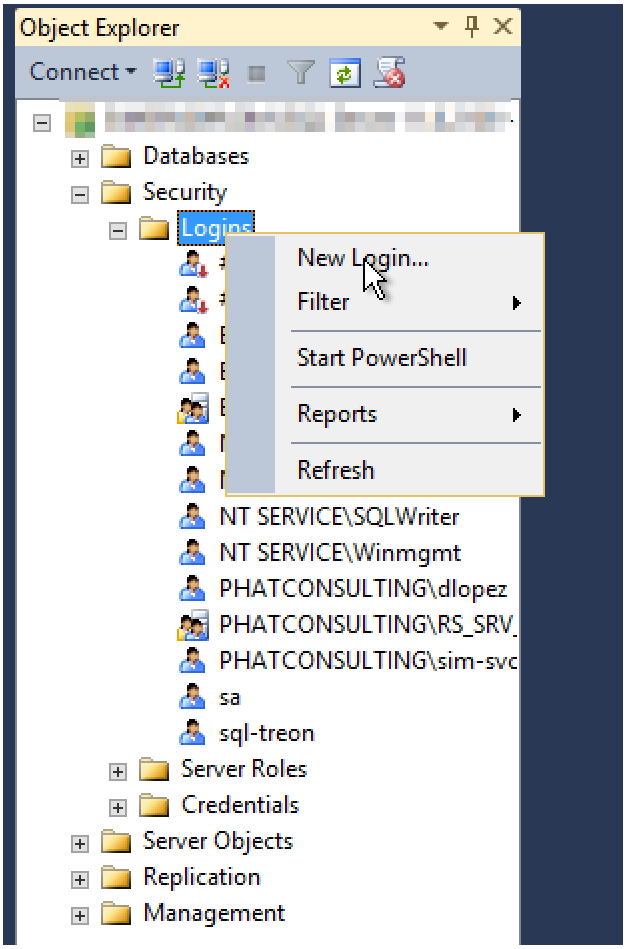
Name	State	Start Mode	Log On As	Process ID
SQL Server Browser	Stopped	Other (Boot, Syste...	NT AUTHORITY\LO...	0
SQL Server (SIM)	Running	Automatic	NT Service\MSSQL...	3336
SQL Server A		Other (Boot, Syste...	NT AUTHORITY\NE...	0
SQL Full-tex		Manual	NT Service\MSSQL...	668

Displays Help for the current selection.

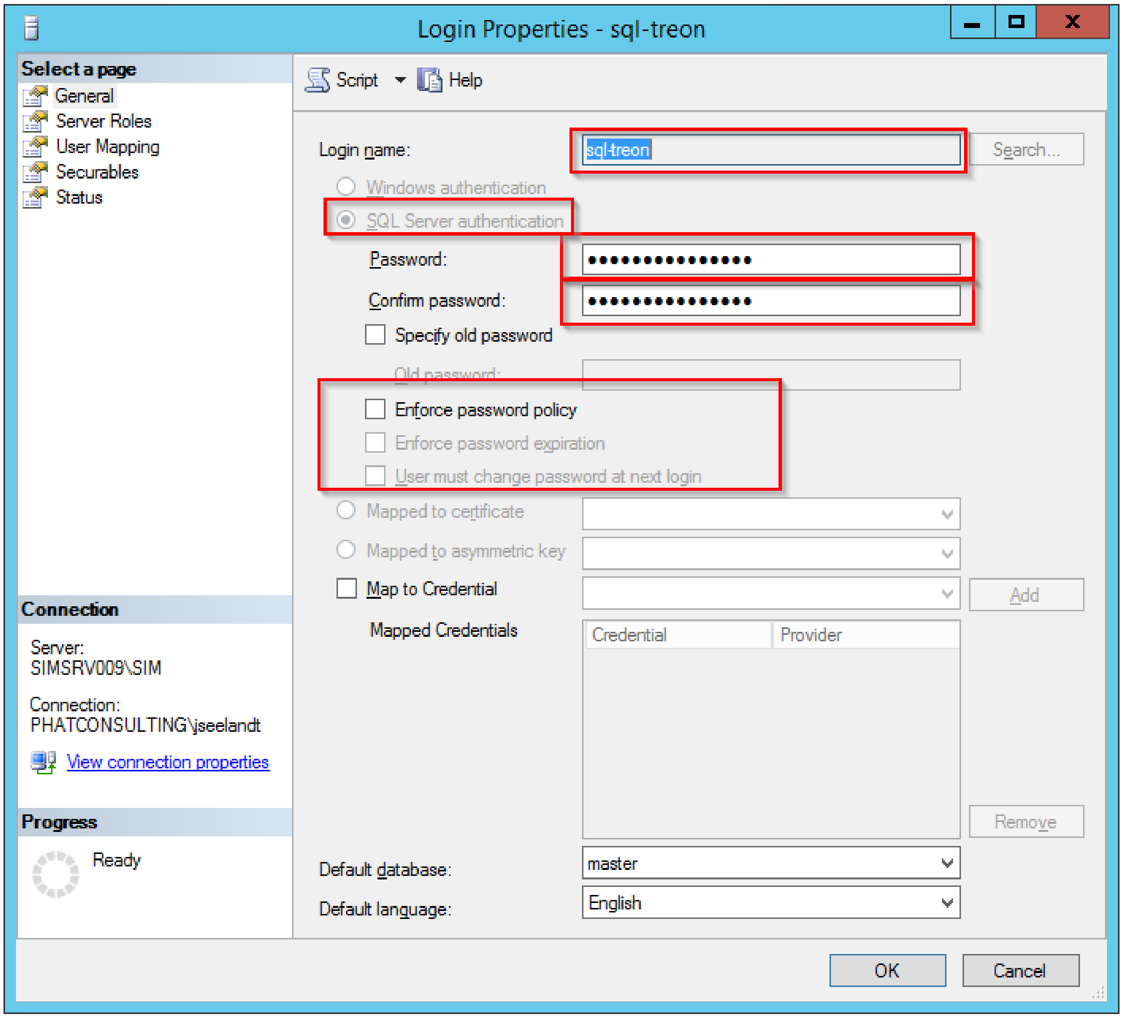
1.4.20 KB00020 - SIM SQL Database Rights

Creating the SIM Service Account

Open SQL Management Studio and connect to your Silver Monkey SQL DB server. Expand ‘Security’ and right click ‘Login’ to create a new login.



Choose a name (e.g. 'sql-sim') and a password. Set the authentication to 'SQL Server authentication' and uncheck the 'Enforce password policy'-checkbox.



Login Properties - sql-treon

Login name: sql-treon

○ Windows authentication

● SQL Server authentication

Password: ●●●●●●●●●●●●●●●

Confirm password: ●●●●●●●●●●●●●●●

□ Specify old password

Old password:

□ Enforce password policy

□ Enforce password expiration

□ User must change password at next login

○ Mapped to certificate

○ Mapped to asymmetric key

□ Map to Credential

Mapped Credentials

Credential	Provider

Default database: master

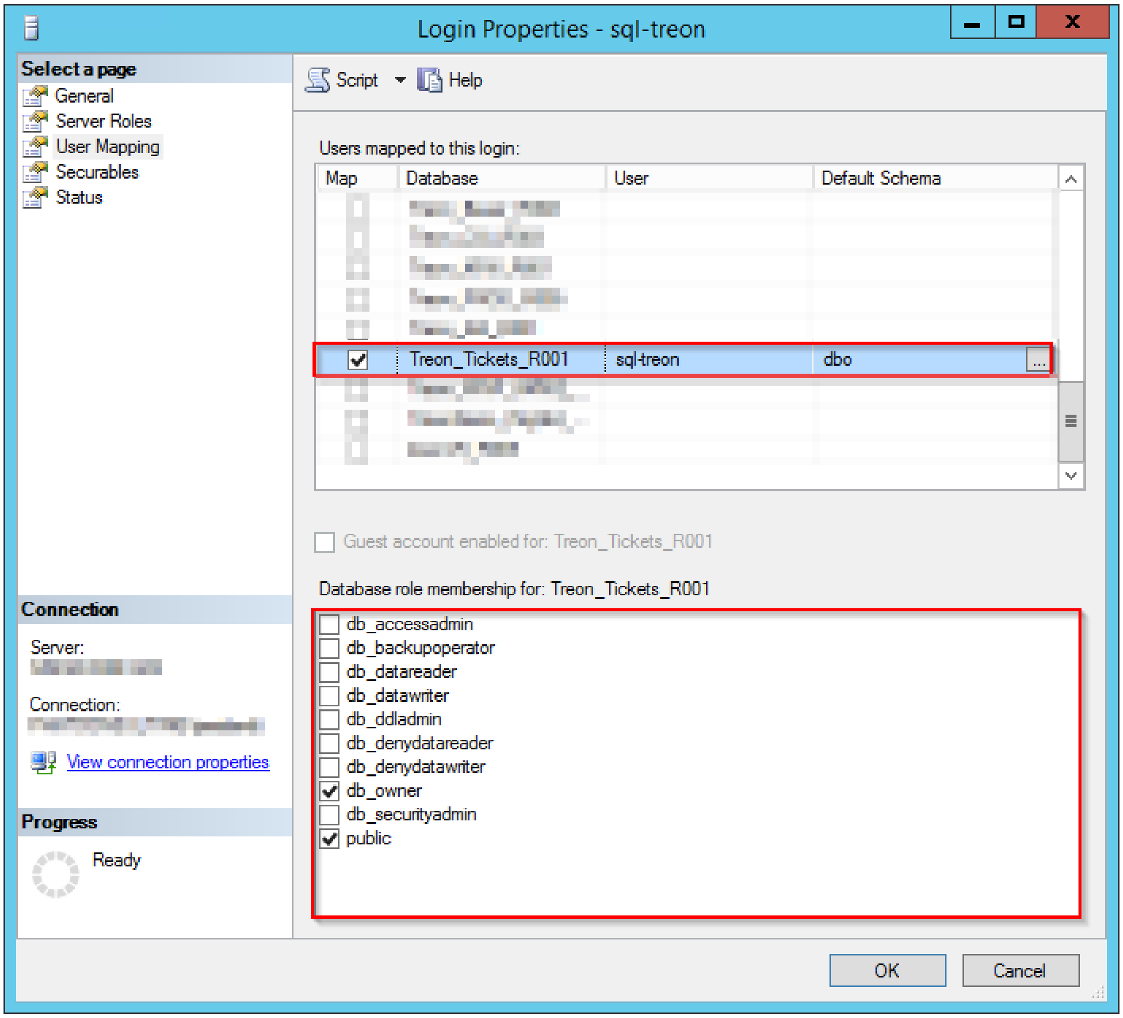
Default language: English

Connection

Server:
SIMSRV009\SIM

Connection:
PHATCONSULTING\jseelandt

Navigate to ‘User Mapping’ choose the SIM SQL DB and activate the db_owner role. After that click ‘OK’.



Server:
[redacted]

Connection:
[redacted]

Ready

Users mapped to this login:

Map	Database	User	Default Schema
□	[redacted]		
□	[redacted]		
□	[redacted]		
□	[redacted]		
□	[redacted]		
☑	Treon_Tickets_R001	sql-treon	dbo
□	[redacted]		
□	[redacted]		
□	[redacted]		

□ Guest account enabled for: Treon_Tickets_R001

Database role membership for: Treon_Tickets_R001

□ db_accessadmin
□ db_backupoperator
□ db_datareader
□ db_datawriter
□ db_ddladmin
□ db_denydatareader
□ db_denydatawriter
☑ db_owner
□ db_securityadmin
☑ public

You now have successfully created your SIM Service Account!

1.4.21 KB00021 - Disabling AD Sync

To disable AD Sync (which is performed every 12 hours by the first website visitor) simply follow the steps below.

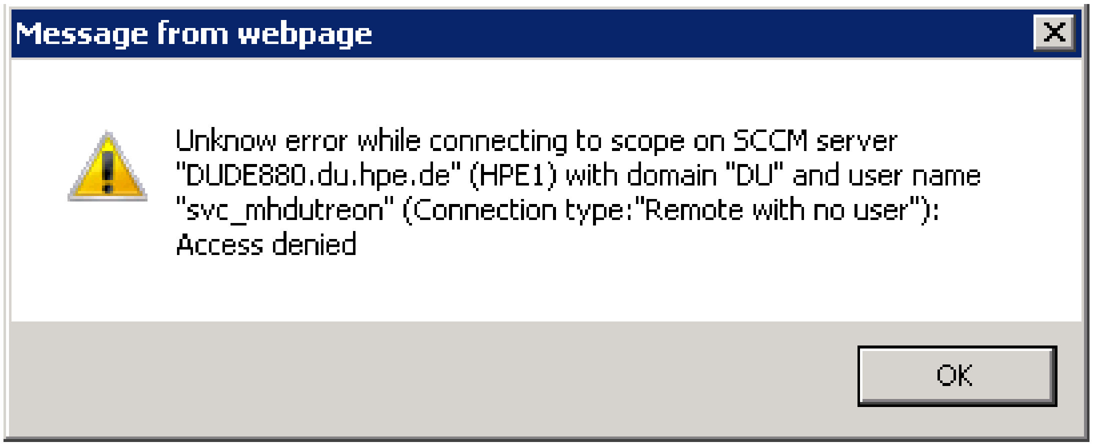
1. Finding configuration.xml

Further information on how to find the Configuration.xml file, read the corresponding article. (*KB00014 - Finding Log Files and 'Configuration.xml'*)

2. Changing Date to Future Date

```
<system>
  ...
  <directoryCacheInterval>12</directoryCacheInterval>
  <lastDirectoryScan>8/10/3016 10:03:34 AM</lastDirectoryScan>
      ...
```

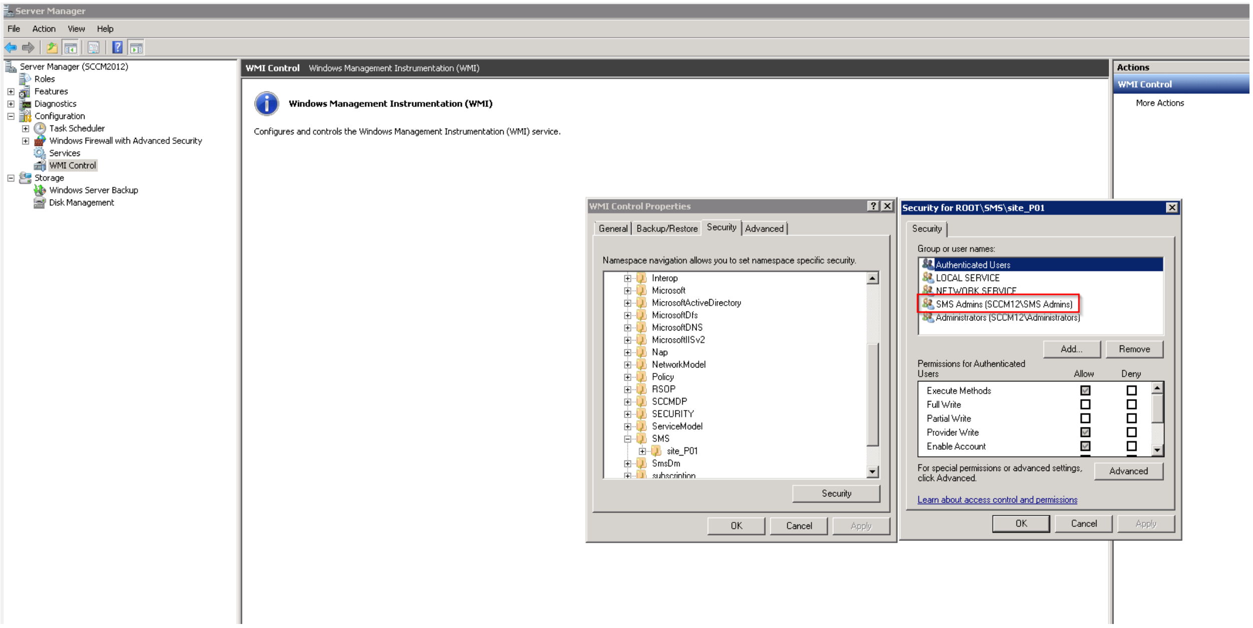
1.4.22 KB00022 - Known Issues


Message from webpage

Unknow error while connecting to scope on SCCM server "DUDE880.du.hpe.de" (HPE1) with domain "DU" and user name "svc_mhdutreon" (Connection type:"Remote with no user"): Access denied

Fig. 6: This means that the service account for SCCM has to be local admin on the SCCM server in order to set up a functioning WMI connection.

Solve this problem by following the instructions below:



Windows Management Instrumentation (WMI)

Configures and controls the Windows Management Instrumentation (WMI) service.

Namespace navigation allows you to set namespace specific security.

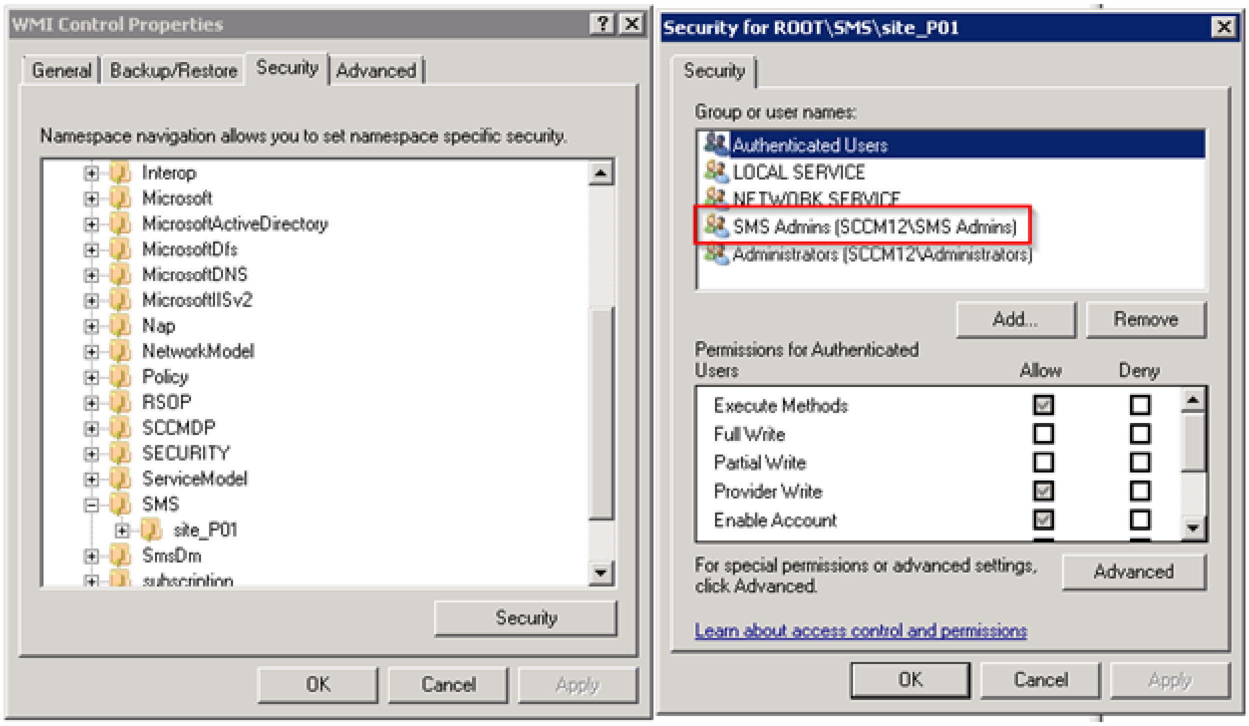
Group or user names:

- Authenticated Users
- LOCAL SERVICE
- NETWORK SERVICE
- SMS Admins (SCCM12\SMS Admins)
- Administrators (SCCM12\Administrators)

Permissions for Authenticated Users

	Allow	Deny
Execute Methods	☑	□
Full Write	□	□
Partial Write	□	□
Provider Write	☑	□
Enable Account	☑	□

For special permissions or advanced settings, click Advanced.

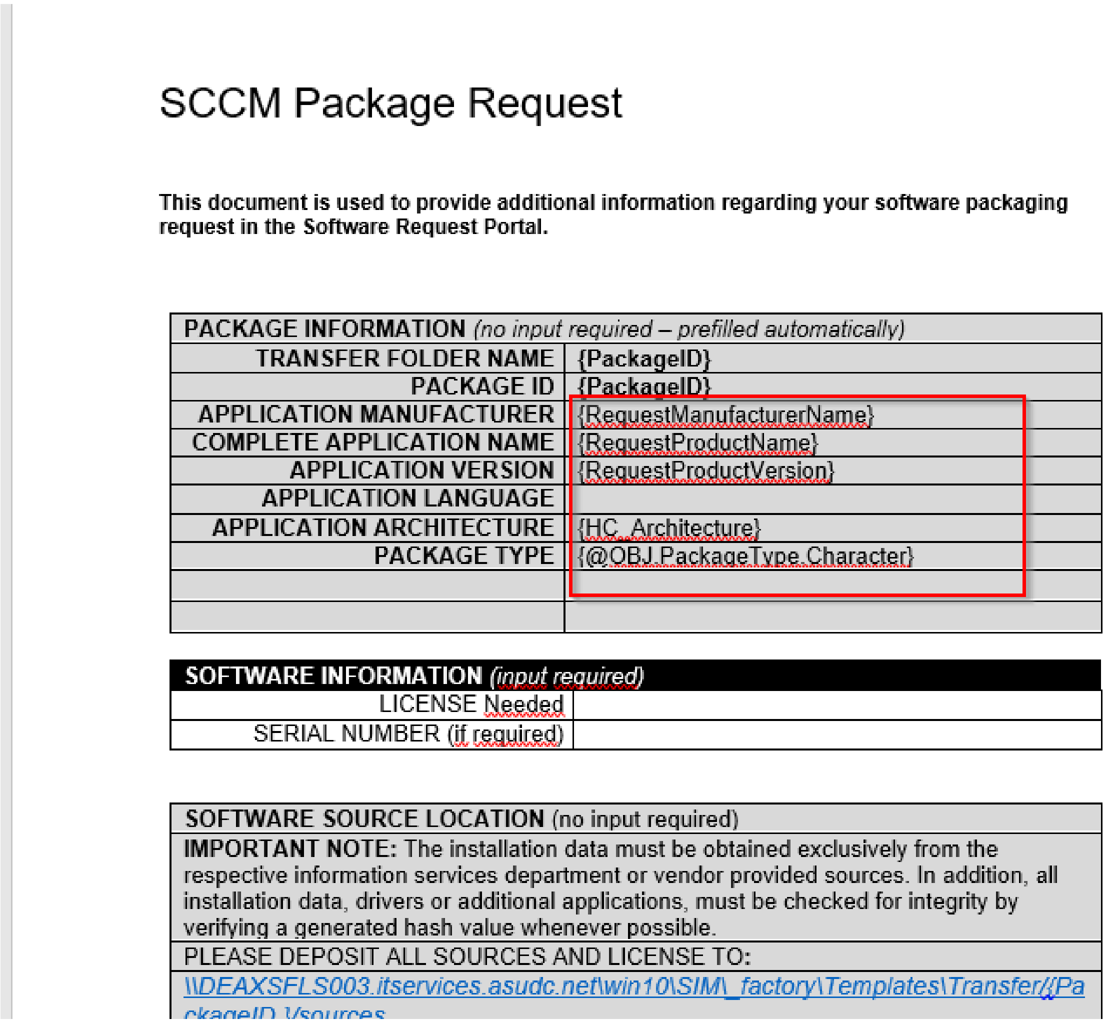


Permissions for Authenticated Users	Allow	Deny
Execute Methods	☑	□
Full Write	□	□
Partial Write	□	□
Provider Write	☑	□
Enable Account	☑	□

For special permissions or advanced settings, click Advanced.

1.4.23 KB00023 - Copy Files fix Documentparsing

Solve this problem by following the instructions below:



SCCM Package Request

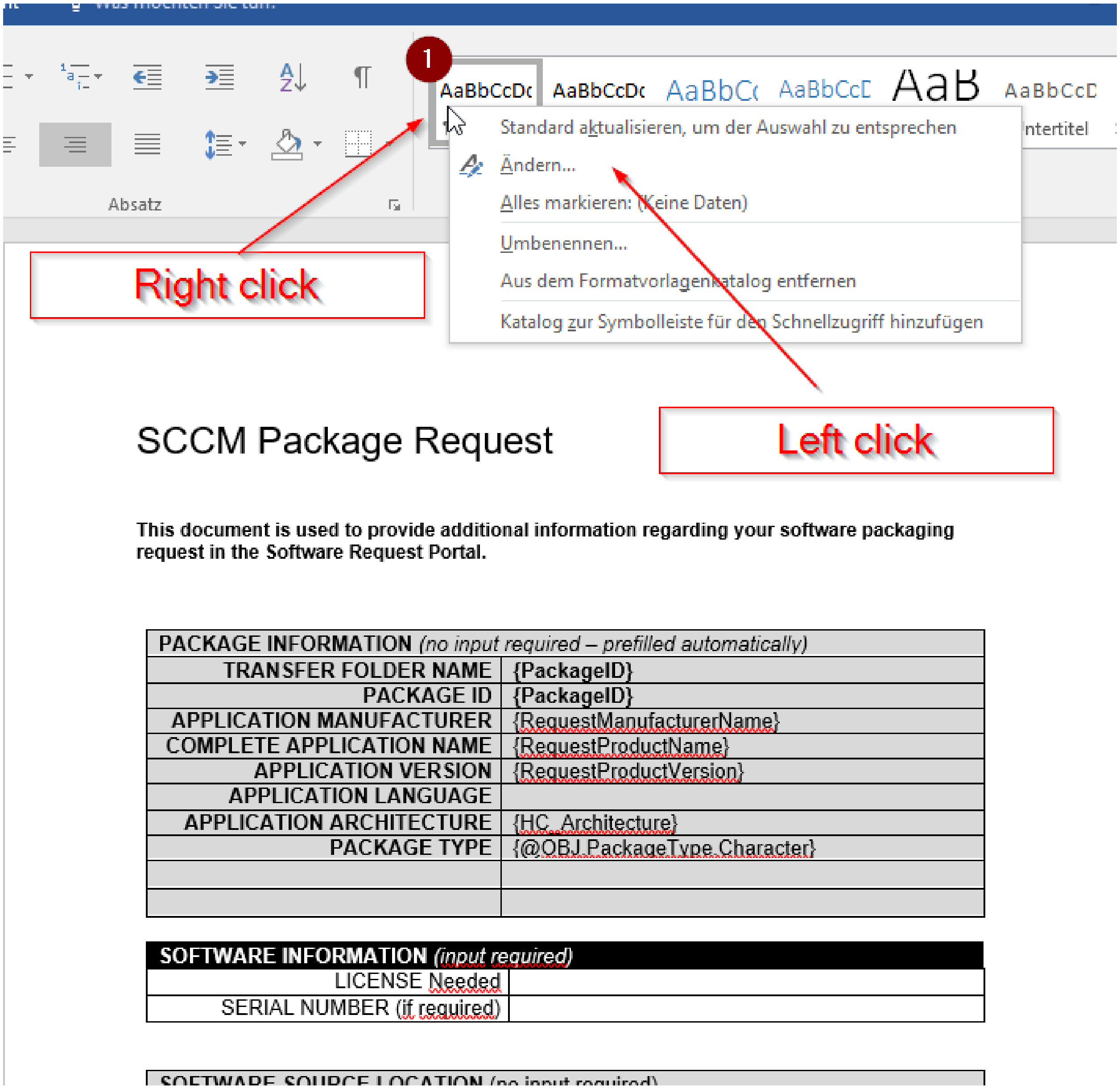
This document is used to provide additional information regarding your software packaging request in the Software Request Portal.

PACKAGE INFORMATION *(no input required – prefilled automatically)*	
TRANSFER FOLDER NAME	**{PackageID}**
PACKAGE ID	**{PackageID}**
APPLICATION MANUFACTURER	{RequestManufacturerName}
COMPLETE APPLICATION NAME	{RequestProductName}
APPLICATION VERSION	{RequestProductVersion}
APPLICATION LANGUAGE	
APPLICATION ARCHITECTURE	{HC_Architecture}
PACKAGE TYPE	{@OBJ.PackageType.Character}

SOFTWARE INFORMATION *(input required)*	
LICENSE Needed	
SERIAL NUMBER (if required)	

SOFTWARE SOURCE LOCATION (no input required)
IMPORTANT NOTE: The installation data must be obtained exclusively from the respective information services department or vendor provided sources. In addition, all installation data, drivers or additional applications, must be checked for integrity by verifying a generated hash value whenever possible.
PLEASE DEPOSIT ALL SOURCES AND LICENSE TO:
\\DEAXSFLS003.itservices.asudc.net\win10\SIM_factory\Templates\Transfer\{PackageID }\sources

Fig. 7: These curly underlinings represent the grammatical markup of Word. This markup can prevent the copyfiles function from working correctly.


Was möchten Sie tun?
Absatz
1
AaBbCcDc
AaBbCcDc
AaBbC(
AaBbCcE
AaB
AaBbCcD
ntertitel
Standard aktualisieren, um der Auswahl zu entsprechen
Ändern...
Alles markieren: (Keine Daten)
Umbenennen...
Aus dem Formatvorlagenkatalog entfernen
Katalog zur Symbolleiste für den Schnellzugriff hinzufügen
Right click
Left click

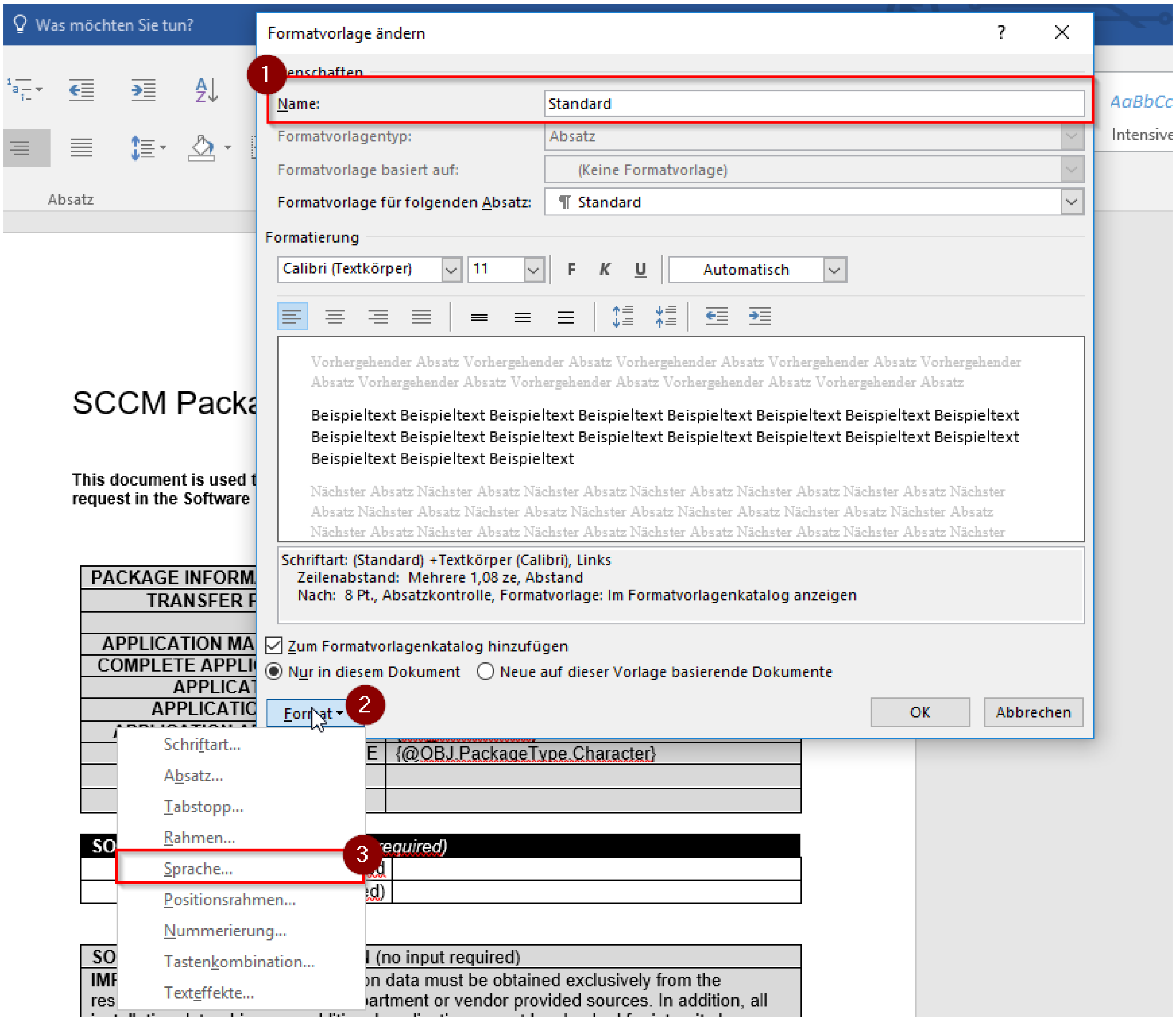
SCCM Package Request

This document is used to provide additional information regarding your software packaging request in the Software Request Portal.

PACKAGE INFORMATION *(no input required – prefilled automatically)*	
TRANSFER FOLDER NAME	{PackageID}
PACKAGE ID	{PackageID}
APPLICATION MANUFACTURER	{RequestManufacturerName}
COMPLETE APPLICATION NAME	{RequestProductName}
APPLICATION VERSION	{RequestProductVersion}
APPLICATION LANGUAGE	
APPLICATION ARCHITECTURE	{HC_Architecture}
PACKAGE TYPE	{@OBJ.PackageType.Character}

SOFTWARE INFORMATION *(input required)*	
LICENSE Needed	
SERIAL NUMBER (if required)	

SOFTWARE SOURCE LOCATION (no input required)



Formatvorlage ändern

enschaften

Name: Standard

Formatvorlagentyp: Absatz

Formatvorlage basiert auf: (Keine Formatvorlage)

Formatvorlage für folgenden Absatz: ¶ Standard

Formatierung

Calibri (Textkörper) | 11 | F K U | Automatisch

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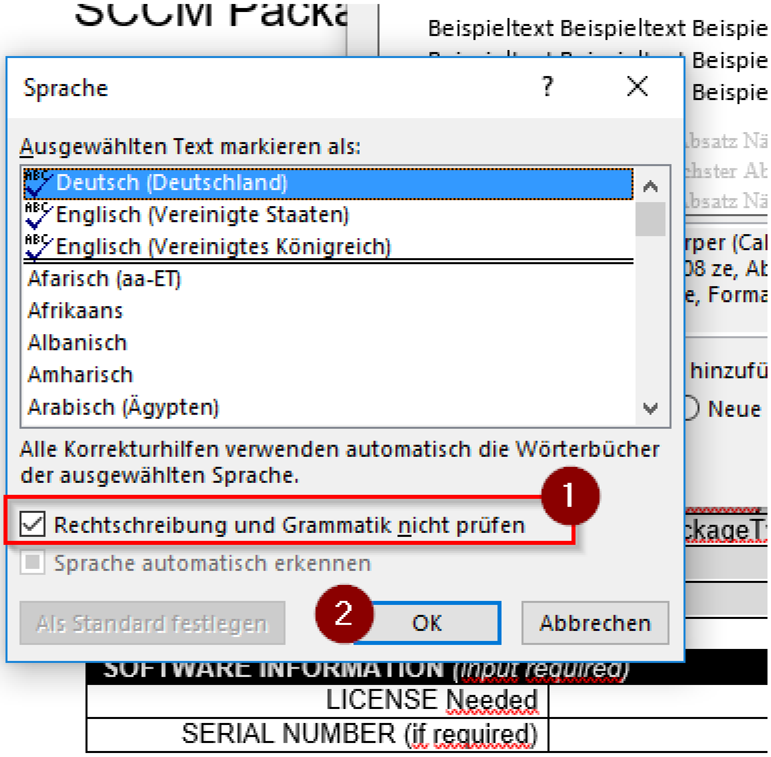
Schriftart: (Standard) +Textkörper (Calibri), Links
Zeilenabstand: Mehrere 1,08 ze, Abstand
Nach: 8 Pt., Absatzkontrolle, Formatvorlage: Im Formatvorlagenkatalog anzeigen

☑ Zum Formatvorlagenkatalog hinzufügen

● Nur in diesem Dokument ○ Neue auf dieser Vorlage basierende Dokumente



Ausgewählten Text markieren als:

- Deutsch (Deutschland)
- Englisch (Vereinigte Staaten)
- Englisch (Vereinigtes Königreich)
- Afarisch (aa-ET)
- Afrikaans
- Albanisch
- Amharisch
- Arabisch (Ägypten)

Alle Korrekturhilfen verwenden automatisch die Wörterbücher der ausgewählten Sprache.

☑ Rechtschreibung und Grammatik nicht prüfen

□ Sprache automatisch erkennen

1.4.24 KB00024 - Create Serverlink with Alias and withCreds

Use this sample SQL script to create an SQL serverlink to the wanted server. You can specify an alias and credetials in this script, default placeholders in the name of the linkedserverobject can be used to reference different sitenames.

```
-- Creates an SQL Server Link to the specified Server, provides an Alias with 'XXX'␣
↪as placeholder for an Suffix. Specify an SQL User that is used for the Connection␣
↪in the last lines.

USE [master]
GO
EXEC master.dbo.sp_addlinkedserver @server = N'SIM_CONFIGMGR_XXX', @srvproduct=N'sql_
↪server', @provider=N'SQLNCLI11', @datasrc=N'SQLSERVERNAME'
-- Specify SQL Servername like this "simserver,1433" or specify the instance via␣
↪backslash.
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'collation␣
↪compatible', @optvalue=N'false'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'data access',
↪ @optvalue=N'true'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'dist',␣
↪@optvalue=N'false'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'pub',␣
↪@optvalue=N'false'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'rpc',␣
↪@optvalue=N'true'
```

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```
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'rpc out',␣
↪@optvalue=N'true'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'sub',␣
↪@optvalue=N'false'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'connect␣
↪timeout', @optvalue=N'0'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'collation␣
↪name', @optvalue=null
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'lazy schema␣
↪validation', @optvalue=N'false'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'query timeout
↪', @optvalue=N'0'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'use remote␣
↪collation', @optvalue=N'true'
GO
EXEC master.dbo.sp_serveroption @server=N'SIM_CONFIGMGR_XXX', @optname=N'remote proc␣
↪transaction promotion', @optvalue=N'true'
GO
USE [master]
GO
EXEC master.dbo.sp_addlinkedsrvlogin @rmtsrvname = N'SIM_CONFIGMGR_XXX', @locallogin␣
↪= NULL , @useself = N'False', @rmtuser = N'SQLUSERNAME', @rmtpassword = N
↪'SQLUSERPASSWORD'
GO
```

1.5 Changelog

Version	TicketId	Product	Description
5.69	020407	v5 Kernel	User Variable more output types:$USERNAME$ESCAPEDUSERNAME
5.69	020409	v5 Software Packaging	new Entry Button with labelNewLinkLabel='Label'
5.69	020410	v5 Software Packaging	copyFiles keeps encoding of copied files
5.69	020411	v5 Software Packaging	Optimized Comment icon
5.69	020405	v5 Software Packaging	createCollection loaded wrong definition from other view
5.69	020406	v5 Software Packaging	createCollection now support for directMembership (add&remove)
5.69	020412	v5 System Operations	Application dialog shows sccm package id
5.67	020401	Web Service	Added Feature for dynamic resolve of Computer variables to deployment
5.66	020403	v5 Kernel	checkCondition für ExecuteTriggerEvent ist jetzt zusammen mit Email jetzt möglich

Continued on next page

Table 1 – continued from previous page

Version	TicketId	Product	Description
5.66	020393	v5 Kernel	Sim can execute scripts on SQL Events (oncreate, afterDelete, etc).
5.66	020386	v5 Kernel	Advanced Filter Options for MultiSelect
5.66	020385	v5 Self Service	Support for SCCM Fast Channel
5.66	020390	v5 Software Packaging	SetDefaultOnSave korrigiert
5.66	020397	v5 Software Packaging	Step Conditions (Plausibility) also Support roles
5.66	020400	v5 Software Packaging	SendMail ist jetzt automatisch über SIM möglich ohne SQL Trigger. OnUpdate (save oder statuswechseln)
5.65	020380	v5 Self Service	Added SCCM Fast Channel Option for Shop
5.65	020381	v5 Self Service	Added DirectLink for Shop
5.64	020378	v5 Kernel	CMDB Function for the mass Import of systems
5.64	020337	v5 Software Packaging	TextBoxes allow clickable paths
5.63	020324	v5 Kernel	-Selected Day will be highlighted
5.63	020333	v5 Kernel	Object reference allows 3 Arguments. Example: @OBJ.Package.Language.ISO631
5.63	020318	v5 Software Packaging	removePlus für Verbindungen verfügbar
5.63	020328	v5 Software Packaging	SetDefaultOnLoad also working for Objects and Data Lists
5.63	020367	v5 Software Packaging	<list> elements support link to another views with dynamic variables
5.63	020368	v5 Software Packaging	hide Connections available. Only useful when having a list right after it.
5.63	020372	v5 Software Packaging	Now possible to set Logical condition for a certain step. Use 'plausibility'
5.63	020329	v5 System Operations	Customized View Create Computer From Old (with customized Variables)
5.62	020312	v5 Software Packaging	Fixed issue that CreateApplication looked not for newest application title for checking existence.
5.61	020293	Miscellaneous	Cancel Button in 'addUserToDevice' works normal.
5.61	020294	Miscellaneous	Bug with the multiselector in CMDB was resolved.
5.61	020295	Miscellaneous	The list at the left side will be updated right when objects are removed in CMDB
5.61	020298	v5 Kernel	Changed GUI to new Silver Monkey CI
5.61	020305	v5 Kernel	new filter for CMDB
5.61	020300	v5 Software Packaging	If the collection already exists the 'createCollection' command will add a deployment.
5.61	020301	v5 Software Packaging	Change information from existing applications with createApplication command.
5.61	020303	v5 System Operations	Domain will be also shown with the username in Operations
5.61	020306	v5 System Operations	More than one site in operations module.
5.61	020296	v5 System Operations	More than one Computer objects can be selected to be assigned to a user.

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Table 1 – continued from previous page

Version	TicketId	Product	Description
5.60	020289	Miscellaneous	Fixed issue cannot create application (Unhandled exception).
5.60	000267	v5 Kernel	Automatic update of configuration.xml is possible, now
5.60	010287	v5 Software Packaging	Created a new XML attribute called 'hide' for form elements.
5.60	020287	v5 Software Packaging	Fixed issue: Error while creating Application Connot access AppVPackageFolder
5.60	020288	v5 Software Packaging	Fixed issue with using wrong credentials for CopyFiles command
5.59	010283	v5 Kernel	Fixed issue: Import/Export does not support XLSX files with multiple sheets
5.58	010281	v5 System Operations	Primary User Support for CreateComputer
5.57	010273	v5 Self Service	Fixed issue with missing user impersonation for local SCCM connections.
5.57	010274	v5 Self Service	Fixed issue with Shop references to Applications. Now, a permanent ID is used and Applications can be edited after adding them to the shop.
5.56	010272	v5 System Operations	Keep Primary User when using Computer Exchange/Refresh
5.55	010271	v5 Self Service	Es können die Shop Produkte dynamisch aus den PackagingJob Datensätzen generiert werden
5.53	000259	Miscellaneous	Count of all connected SCCM sites visible in configuration
5.53	000268	v5 Kernel	Import durch XLSX immer gleicher SysDisplayName
5.52	000227	v5 System Operations	Primary users can be managed through objects, now.
5.52	000199	Web Service	Extended the function of 'Create Client' by'overwrite=true' that is Controlling if there is a Computer with the same Name/MAC and whether or not it should be deleted.
5.51	000226	v5 Rollout Center	Dynamic target collections and primary users are avalible now.
5.48	000160	v5 System Operations	it is now possible to choose the MAC addresses by drop down in the 'Refresh Computer' dialog.
5.41	000253	Miscellaneous	It's possible to use the FORMAT function when referencing on an @OBJ function.
5.41	000209	v5 Kernel	It's now possible to set a datalist attribute as valid.
5.41	000185	v5 Kernel	It is possible to activate the date picker in english, now.
5.41	000187	v5 Kernel	Fixed a bug that caused varchars bigger than 800 not to be saved.
5.41	000191	v5 Kernel	Treon variables now support referenced objects (for example: {@OBJ.PackageLanguage.CodeISO6392}).
5.41	000194	v5 Kernel	Adjusted dropdown fields, enabled the option to edit the specified column.
5.41	000196	v5 Kernel	Fixed Timing problem through MARS, parallel database queries function properly again.
5.41	000245	v5 Self Service	Fixed a bug in the shop module that prohibits adding members and deploying.
5.39	000184	v5 Kernel	Defined filters for active Directory users globally. Filter supports variables from the Job table.
5.39	000173	v5 Kernel	Fixed a bug that prohibited the 'packet commandline Install' field to be displayed correctly.
5.39	000175	v5 Kernel	Defining impersonation as Shared, decimate multiple registrations. Stabilization of impersonation. Minimized database accesses to spare connection pool.

Continued on next page

Table 1 – continued from previous page

Version	TicketId	Product	Description
5.39	000176	v5 Kernel	Enabled triggering multiple domains in the active directory fields. Extended filter of the formular attributes.
5.39	000177	v5 Kernel	Optimized database Access: Adjusted impersonification.
5.39	000179	v5 Kernel	Adjusted HW Hey algorithm. The Domain of the IIS System is now in use. From this Version on ,customers need a new activation code.
5.39	000171	v5 Software Packaging	Fixed a bug in the SCCM user kontext.
5.39	000181	v5 Software Packaging	Expanded CreateApp/Package by security scopes.
5.39	000182	v5 Software Packaging	Treon recognizes if there is an app with the same title already in the Create App dialoge and uses the existing app to create a new deployment type.
5.39	000183	v5 Software Packaging	CreateApp/Package is now availible through Windows Management Instrumentation. SQL connection is not required.
5.39	000180	v5 System Operations	Adjusted the filter of the applications in packaging infos: Ist now possible to sort applications by f.e. sysStatus in the operations modul.
5.39	000169	v5 System Operations	The refresh computer function no longer ignores the computer template.
5.32	000156	v5 System Operations	Fixed issue with the addon software (XML error).
5.31	000149	v5 Kernel	Enabled a 'Read Only' parameter for the whole formula/workflow/role.
5.31	000150	v5 Kernel	ID columns can be displayed in lists, now.
5.30	000145	v5 Kernel	Text fields are now saved as VarChar (10000) in the database.
5.30	000148	v5 Kernel	Fixed a bug that caused the 'link' button to disappear if the displayname reaches a certain length.
5.20.00	000125	v5 Kernel	New variable SiteURL now exists,it can be used to reference on an Email dynamically.
5.20.00	000136	v5 Kernel	Fixed bugs that affected the saving of the Formulardata when using the execute function.
5.20.00	000139	v5 Kernel	The number of connections will now be displayed in the list view.
5.20.00	000074	v5 Software Packaging	The 'Execute' Command is not displayed anymore if there is no token.
5.20.00	000121	v5 Software Packaging	The Email function has been upgraded, it is now possible to set Email templates and connect them to Workflows. Emails are sent when the Email Condition is positive.
5.20.00	000124	v5 Software Packaging	SCCM gateway has been extended it now supports AppVDeployment Types.
5.19.00	000098	v5 Rollout Center	Adjusted import export dialog.
5.19.00	000076	v5 Rollout Center	The Connections icon is now correctly displayed.
5.19.00	000072	v5 Rollout Center	Fixed a bug that caused a 'LoadXML Error' when trying to add an active directory user to a list view.
5.19.00	000077	v5 Software Packaging	Applications get created automatically within a Folder structure, as in packages.
5.19.00	000101	v5 Software Packaging	PackWF/RolloutDB formular now got differentiated CSS classes.
5.19.00	000068	v5 System Operations	Computer refresh applications ('packages') is not displaying updates (and task sequences) as requested.

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Table 1 – continued from previous page

Version	TicketId	Product	Description
5.18.00	000073	v5 Kernel	Fixed a bug which caused an empty window to be displayed, when the Website wasnt used for a certain time because of a timeout of the Internet Information Server.
5.18.00	000083	v5 Kernel	Session timeout adjusted to 3 days to prevent Website from displaying a blank page.
5.18.00	000090	v5 Software Packaging	Dynamic paths do work properly again. It is possible to support multiple wrappers via copyjob.
5.18.00	000091	v5 Software Packaging	Changes in the Package System are now working properly again.
5.18.00	000094	v5 Software Packaging	The Create Collection command now supports nested text names for the destination folder. If the folder does not exist it will be created.
5.18.00	000080	v5 Software Packaging	Adjusted formular design.
5.18.00	000069	v5 System Operations	It is now possible to use a GUID to create a new Client in the system.

1.6 Supported Configurations

1.6.1 Supported Microsoft SQL Server Versions

Product	Version	Supported
SQL Server 2008	10.0	Yes
SQL Azure	10.25	Yes
SQL Server 2008 R2	10.5	Yes
SQL Server 2012	11.0	Yes
SQL Server 2014	12.0	Yes
SQL Server 2016	13.0	Yes

1.6.2 Supported Microsoft Windows Server Versions

Product	Version	Supported
Windows Server 2008	NT 6.0	Yes
Windows Server 2008 R2	NT 6.1	Yes
Windows Server 2012	NT 6.2	Yes
Windows Server 2012 R2	NT 6.3	Yes
Windows Server 2016	NT 10.0	Yes

1.6.3 Supported .Net Framework Versions

- Hence the code was written in .Net 2.0 only this version is supported.

1.6.4 Supported Microsoft ConfigMgr Versions

Product	Revision	Service Pack	Version/Build	Supported
Systems Management Server (SMS)	1.0			No
Systems Management Server (SMS)	1.1			No
Systems Management Server (SMS)	1.2			No
Systems Management Server (SMS)	2.0			No
Systems Management Server (SMS)	2003			No
Systems Management Server (SMS)	2003 R2			No
System Center Configuration Manager (ConfigMgr)	2007	Beta 1	4.00.5135.0000	No
System Center Configuration Manager (ConfigMgr)	2007	RTM	4.00.5931.0000	Yes
System Center Configuration Manager (ConfigMgr)	2007	SP1	4.00.6221.1000	Yes
System Center Configuration Manager (ConfigMgr)	2007	SP1	4.00.6221.1193	Yes
System Center Configuration Manager (ConfigMgr)	2007	SP2	4.00.6487.2000	Yes
System Center Configuration Manager (ConfigMgr)	2007	SP2	4.00.6487.2111	Yes
System Center Configuration Manager (ConfigMgr)	2007		4.00.6487.2157	Yes
System Center 2012 Configuration Manager (ConfigMgr)	2012	Beta 1		No
System Center 2012 Configuration Manager (ConfigMgr)	2012	Beta 2	5.00.7561.0000	No
System Center 2012 Configu-	2012	Release Candidate 1	5.00.7678.0000	No

Note: In regard to support for the new Configuration Manager versions (beginning from Build 1511): Silver Monkey's release cycle is based on the release cycles of Microsoft. 4 weeks after publication of a new build version it is supported by Silver Monkey.

1.7 Support

If you have further questions regarding out products or the documentation contact us:

- Tel. : +49 40 - 226 383 160
- E-Mail : Support@SilverMonkey.net

If you need general Information about our Products visit: http://www.SilverMonkey.net