

KB 042 – Updating SAP PowerConnect Java connector using SUM

Start SUM

```
C:\temp\SUM.2>cd sum
C:\temp\SUM.2\SUM>STARTUP.BAT_
```

Open the browser to access the SUM control

```
C:\temp\SUM.2\SUM>STARTUP.BAT
Installing runtime (msiexec /qn /i vcredist_x64.msi)...
**** The SID: P75 is detected from <SID>ADM user. ****
**** Configuring SUM Java ... ****
**** Base Dir: C:\temp\SUM.2\SUM ****
**** SID: P75 ****
**** Modified Base Dir: C:\temp\SUM.2\SUM ****
**** Registering sumjava operation in SAP Host Agent... ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sumjava.conf ****
**** Registering sumjava description in SAP Host Agent... ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\sumjava.lmsldesc ****
**** Configuring SUM Observer ... ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sumobserver.conf ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\sumobserver.lmsldesc ****
**** Configuring SUM Abap: cmd.exe /c C:\temp\SUM.2\SUM\abap\SUMSTART.BAT config hostagent RESTARTSHA=no ****
Base Dir: C:\temp\SUM.2\SUM\abap
SID: P75
Username: saponazure\${SID:#required#tolower}adm
Modified Base Dir: C:\temp\SUM.2\SUM\abap
Registering SUM in SAP Host Agent...
Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sumabap.conf
Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\sumabap.lmsldesc
Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\dualabap.conf
Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\dualabap.lmsldesc
Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\migtool.conf
Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\migtool.lmsldesc
**** SUM ABAP: https://W12S12PI750:1129/lmsl/sumabap/P75/doc/sluigui ****
**** SUM benchmark tool: https://W12S12PI750:1129/lmsl/migtool/P75/doc/sluigui ****
****
**** SUM Java: https://W12S12PI750:1129/lmsl/sumjava/P75/index.html ****
**** SUM Dual stack: https://W12S12PI750:1129/lmsl/sumjava/P75/dual.html ****
**** SUM Observer: https://W12S12PI750:1129/lmsl/sumobserver/P75/monitor/index.html ****
**** Restarting SAP Host Agent ****
**** Restarting ... ****
**** SAP Host Agent has been restarted ****
**** SAP Host Agent configured, start the UI from the browser now ****
**** You are using SAP Host Agent version: ****
**** hostagent release: 7.21 ****
**** hostagent patch number: 29 ****
**** Please check the central SUM note whether this SAP Host Agent version is sufficient for SUM operation ****
C:\temp\SUM.2\SUM>
```

Software Update Manager

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PROCESS EXECUTION

92% Process is in dialog state

Current step: Welcome

Welcome to the Software Update Manager

The Software Update Manager supports the following processes for ABAP, Java and dual-stack systems:

- Release upgrade
- Enhancement Package installation or update
- Support Package Stack update
- Single component updates and patches
- Correction of Installed Software Information

Before you continue with this process, we recommend that you read [SAP Note 2371752](#) which contains the latest release information about the Software Update Manager including a detailed list of supported processes.

Detected SAP NetWeaver system

System Technology **Java system**
 System ID **P75**
 System Directory **e:\usr\sap\P75**

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TASK LIST LOGS BREAKPOINTS

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PROCESS EXECUTION

25% Process is in dialog state

Current step: Specify OS User Credentials

Specify User Authentication

Authentication Mechanism

Software Update Manager needs to setup the correct authentication mechanism for using sapcontrol executable. This is required to control your SAP system during maintenance.
 Leave the checkbox selected, if SUM can use functions of the sapcontrol executable without providing user credentials.

Authentication with user and password is not required

Alternatively, if SUM requires user credentials to use the sapcontrol executable functions, enter the **p75adm** credentials below:

User Name
 Password

Additional Information

In case you provide user credentials, it is **mandatory** that you perform the update process by specifying the p75adm user. Entering another user in the field above, even if that user is authorized to operate the process, might cause severe errors and failure.
 If your system is part of a Windows domain, you must enter the full user name preceded by the domain name. The syntax is as follows:
 domain\p75adm. For more information, see [SAP Note 927637](#).

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TASK LIST LOGS BREAKPOINTS

Software Update Manager

PROCESS EXECUTION

1 Welcome 2 Specify Credentials 3 **Select Target** 4 Confirm Target 5 Summary

53% Process is in dialog state

Current step: Define Target

Select Target System Version

Select the target version definition for your system

Stack configuration file (XML)

Manually prepared directory

Stack file or Directory

C:/temp/powerconnect-java/5.01

Error: In case you have chosen Stack configuration file option, provide the path to the stack XML. Otherwise, provide the directory containing the archives.

Check the currently installed software components and their versions according to [SAP Note 1533222](#)

Archive Verification

The SAP-derived software archives are signed with digital signatures. If you want to check the signature authenticity of all archives in the download directory, select the checkbox below. If you select this option, you also have to download the Certificate Revocation List (CRL) from <https://tcs.mysap.com/crl/crlbag.p7s> and place it in the download directory, so that SUM also checks the archive certificates. For more information, see the SUM user guide.

Check archives authenticity

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- Select Manually prepared directory
- Select directory that contains the PowerConnect .SCA file

Software Update Manager

PROCESS EXECUTION

1 Extraction 2 **Configuration** 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

21% Process is in dialog state

Current step: Input Java Administrator User Credentials

User Credentials

AS Java Administrator

AS Java Administrator User Name Administrator

AS Java Administrator Password *****

Additional Information

The AS Java Administrator user credentials are used to log on to the SAP system.

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PROCESS EXECUTION

1 Extraction 2 **Configuration** 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

65% Process is in dialog state

Current step: Select components

Select Components

Path to manually prepared directory: **C:\temp\powerconnect-java\5.01**
For more information, go to the [TargetVersionReport.html](#).
If you change the content of the manually prepared directory after the initial scanning, you have to rescan the directory again by selecting *Rescan*.
The following components have applicable updates in the manually prepared directory. Select the version that you want to apply for each component.

Key	Vendor/Name	Type	Current Version	Target Version
1	demo.sap.com/MyCompc	SC	1.0.0.0	5.01.0.0 ▼

Type key: SC = Software Component; DC = Development Component; SAR = SAP Archive; JAR = Java Archive

Continue
 Rescan

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PROCESS EXECUTION

1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

85% Process is in dialog state

Current step: Show System Parameters

System Parameters

System Parameters

SAP System ID P75
Dual Stack System false
ABAP Kernel Unicode false

Database Parameters

Database SID P75
Database Host W12S12PI750

Application Instance Parameters

Instance Number 00
Instance Host W12S12PI750
Operating System NT / AMD64, Version AMD64 6.3
Kernel 64 bit, Unicode

SCS Instance Parameters

Instance Number 01
Instance Host W12S12PI750

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TASK LIST LOGS BREAKPOINTS

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PROCESS EXECUTION

86% Process is in dialog state

Current step: Begin update

Begin Update

When you choose **Next**, the update process will begin. New versions of selected software components will be deployed. AS Java will not be restarted during the update.
Be aware that the update process cannot be reverted. Make sure that you have created all required backups for restoring previous software component versions:

- Back up the directory **E:\usr\sap\P75\SYS/global/security**.
- Back up your database as described in your database manual.
- Back up the directory **e:\usr\sap\P75** including the SUM directory. If the **SUM** directory is not part of the directory **e:\usr\sap\P75**, make a separate backup of the complete directory including the **sdt** subdirectory.

Be aware that you need these backups to be able to reset your SAP system to its current state. You might encounter a severe problem during the downtime and without the required backups, the system cannot be restored.

- If you have a remote SCS instance running in a clustered or high availability environment, you have to install the **vcredis_*.*** packages on both cluster nodes.

Review the changes that will be applied to the system by checking the [ProcessOverview.html](#) report.

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PROCESS EXECUTION

38% Process is in dialog state

Current step: Update Complete

Update Complete

The update of selected software components has finished.

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PROCESS EXECUTION

37% Process is in dialog state

Current step: Summary and Evaluation of the Update Process

Summary of the Update Process

Summary
The process has finished successfully. For more information, see the [ProcessOverview.html](#) report.

System ID **P75**
Process Runtime **00 h 08 min**
System Update **00 h 00 min**

Reuse this SUM directory for future maintenance activities and backup the current execution artifacts to the **C:\temp\SUM\sdt\archive\execution_2017_09_05_23_38_16** directory.

Once you exit SUM you can later start it the same way as described in chapter "Starting the Software Update Manager" of the [SUM guide](#).

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TASK LIST | LOGS | BREAKPOINTS

Software Update Manager x

Not secure https://w12s12pi750:1129/lmsl/sumjava/P75/index.html

SAP Software Update Manager Alert Legend More

PROCESS EXECUTION

Feedback to SAP

Evaluation Form

SAP SE's aim is to provide fast and efficient procedures. To evaluate the procedure you just carried out, we need information generated by the tool during process execution and your experience with the tool itself. The below form contains a simple questionnaire and XML data generated during the procedure. The XML data comprises only technical information and statistics about the executed steps as well as the product and system context in which the steps have been carried out. There is no business, personal or other sensitive data included. The questionnaire and the XML data are solely used for improving performance, quality, and behavior of the procedure. Thus, they will not be used for any marketing or sales purposes.

Once your feedback has been analyzed and followed up, your email address (if you decide to provide it to us) will be deleted. If you have specific questions or problems, please report an incident at SAP Service Marketplace.

After having accepted the legal statement below, you will be able to send the questionnaire and the XML data to SAP.

I accept the following:

- In order for SAP SE to utilize the feedback provided in the questionnaire, I grant to SAP SE a non-exclusive, perpetual, irrevocable, worldwide, royalty-free license, with the right to sublicense to SAP SE's affiliates, licensees and customers, to use, publish, and disclose such feedback in any manner SAP SE chooses and to display, perform, copy, make, have made, use, sell, and otherwise dispose of SAP SE's and its affiliates' or sublicensee's products or services embodying my feedback in any manner and via any media SAP SE chooses, without reference to the source. SAP SE shall be entitled to use my feedback for any purpose without restriction or remuneration of any kind.
- I agree that SAP SE may use my email address to contact me regarding the information I provided in the questionnaire. SAP SE (i) will process the email address in Germany and/or Bulgaria and/or India, (ii) only as long as it is required to evaluate the information that I provided in the questionnaire and (iii) will not use my email address for any other purpose. In case you want to have your email address corrected or deleted, please contact lm_analytics@sap.com.
- I agree not to enter into any free fields of the questionnaire any information which could be a trade secret, personal data (other than my email address), proprietary or otherwise confidential for me, my employer or any third party.

This send button submits the evaluation of your maintenance process and the form below to SAP SE. Please send this to SAP SE even if you do not fill in the form below.

What kind of system did you run the process on?

- Development system
- Quality system
- Production system

Did you run the process on the actual system or a copy of it (i. e. test process)?

- Actual system
- Test on copy of the system

How many times did you contact SAP SE for help with your process (customer calls or incidents)?