

SAP PowerConnect Java Installation Instructions

Introduction

This document details the installation instructions for the SAP PowerConnect Java monitoring agent.

Prerequisites

SAP PowerConnect Java has the following requirements:

- SAP NetWeaver 7.3 and above
- 100 MB free disk space
- Administrator access to the SAP NetWeaver system

Installation

The installation has the following high level steps:

1. Installation of the software
 - a. Sap PowerConnect Java monitoring agent
 - b. Sap PowerConnect configuration GUI
2. Configuration of Splunk
3. Initialization of database table to store configuration
4. Granting JMX security permissions
5. Configuration of Sap PowerConnect Agent

Installing the Sap PowerConnect Java monitoring agent

To install the Sap PowerConnect Java monitoring agent perform the following steps:

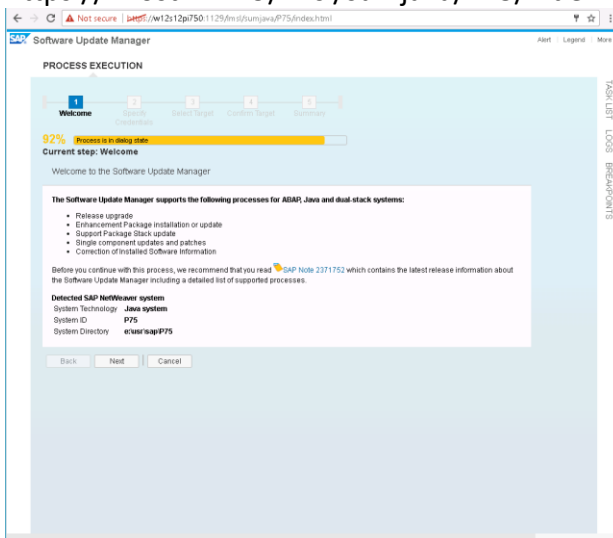
1. Acquire the PowerConnect agent from file from sap-powerconnect-java-X.X.sca BNW Consulting
2. Deploy the .SCA using SAP Software Update Manager (SUM) and ensure its listening on port 1129

```

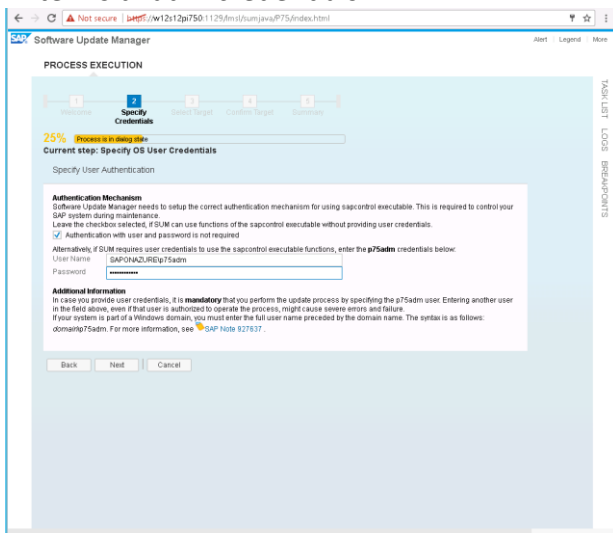
C:\temp\SUM>STARTUP.BAT configurehostagent P75
**** The SID: P75 is detected from <SID>ADM user. ****
**** Configuring SUM Java... ****
**** Base Dir: C:\temp\SUM ****
**** SID: P75 ****
**** Modified Base Dir: C:\temp\SUM ****
**** Registering sunjava operation in SAP Host Agent... ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sunjava.conf ****
**** Additional arguments: "configurehostagent" "P75" ****
**** Registering sunjava description in SAP Host Agent... ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\sunjava.lmsdesc ****
**** Configuring SUM Observer ... ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sumobserver.lmsdesc ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\sumobserver.lmsdesc ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sumabap.conf ****
**** Configuring SUM Abap: cmd.exe /c C:\temp\SUM\abap\SUMSTART.BAT configurehostagent RESTARTSHA=no ****
**** Base Dir: C:\temp\SUM\abap ****
**** SID: P75 ****
**** Username: saponazure\SID#required#tolowerJadm ****
**** Modified Base Dir: C:\temp\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.lmsdesc ****
**** 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.lmsdesc ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\operations.d\sumigtool.conf ****
**** Creation of file C:\Program Files\SAP\hostctrl\exe\descriptors.d\sumigtool.lmsdesc ****
**** SUM ABAP: https://W12S12P1750:1129/lmsl/sumabap/P75/doc/sluigui ****
**** SUM benchmark tool: https://W12S12P1750:1129/lmsl/sumigtool/P75/doc/sluigui ****
****
**** SUM Java: https://W12S12P1750:1129/lmsl/sunjava/P75/index.html ****
**** SUM Dual stack: https://W12S12P1750:1129/lmsl/sunjava/P75/dual.html ****
**** SUM Observer: https://W12S12P1750:1129/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>netstat -ano|findstr 1129
TCP 0.0.0.0:1129 0.0.0.0:0 LISTENING 2940
C:\temp\SUM>

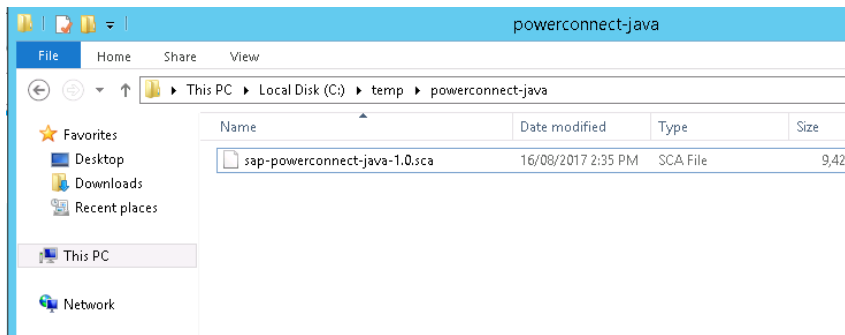
```

Open a browser and connect to the Java SUM control page
<https://<host>:1129/lmsl/sumjava/P75/index.html>

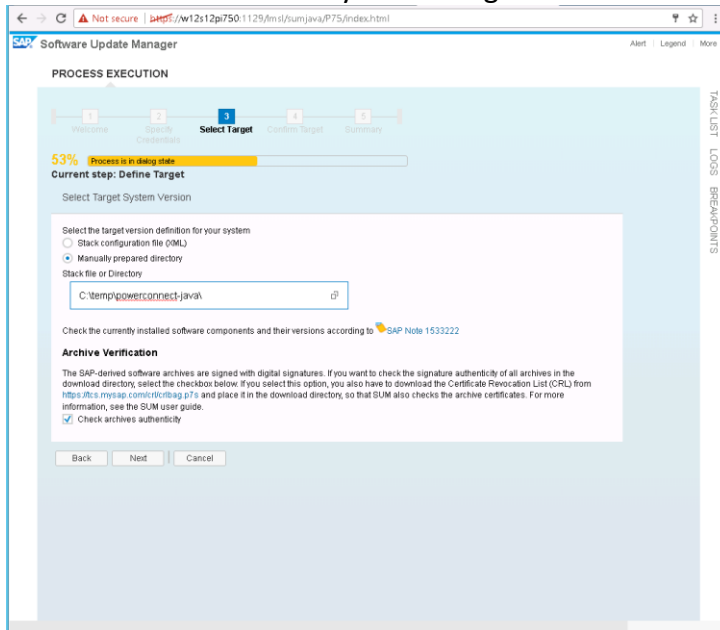


Enter <sid>adm credentials

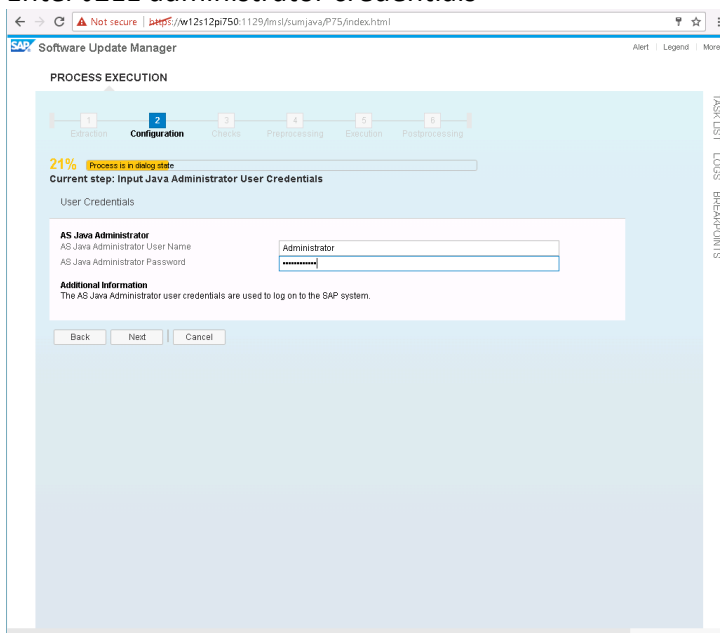




Point SUM to the directory containing the PowerConnect for Java code



Enter J2EE administrator credentials



← → ↻ ⚠ Not secure | https://w12s12pi750.1129/fmsl/sumjava/P75/index.html

SAP

Software Update Manager

Alert Legend More

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

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/MyCompo	SC		1.0.0.0

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

☒ Continue

☐ Rescan

Back Next Cancel

TASK LIST LOGS BREAKPOINTS

← → ↻ ⚠ Not secure | https://w12s12pi750.1129/fmsl/sumjava/P75/index.html

SAP

Software Update Manager

Alert Legend More

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

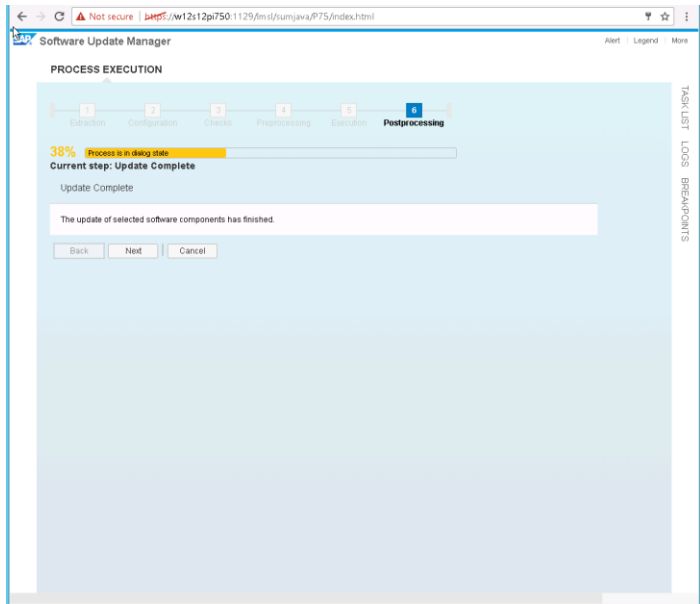
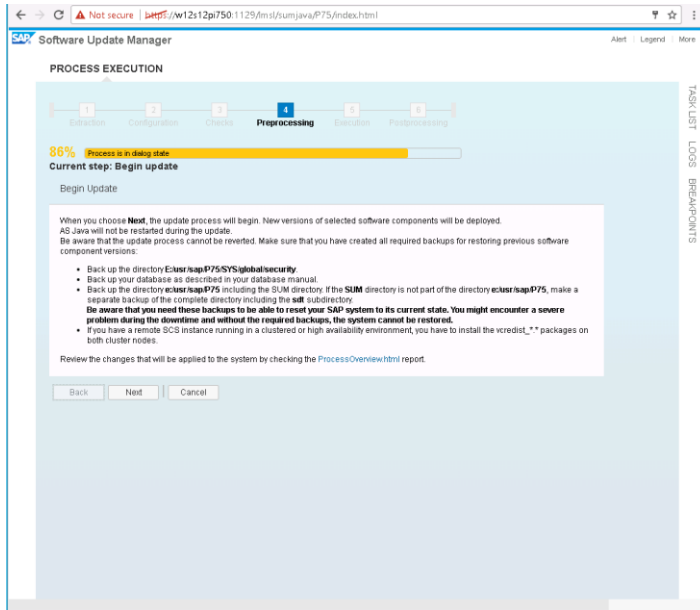
SCS Instance Parameters

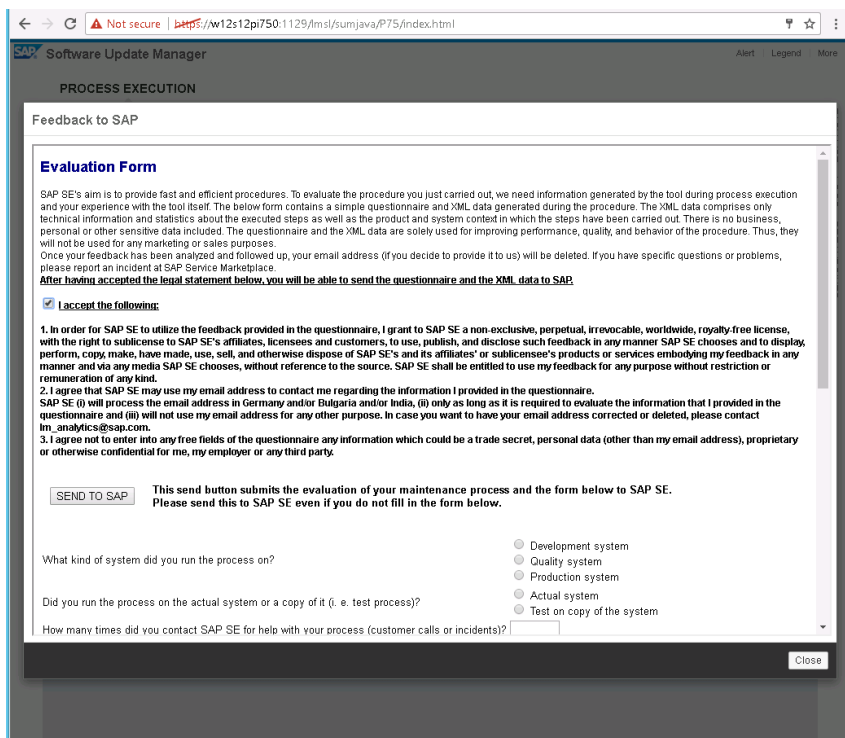
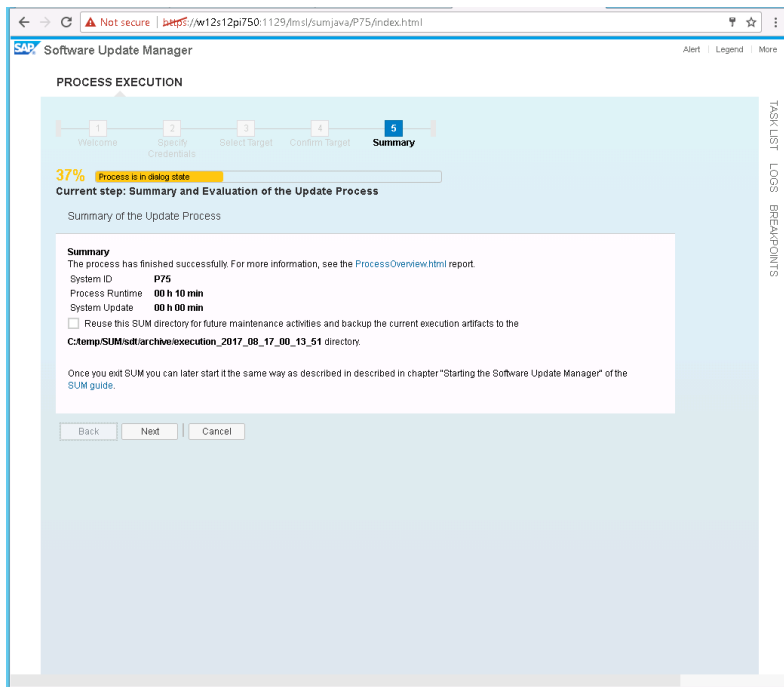
Instance Number 01

Instance Host W12S12PI750

Back Next Cancel

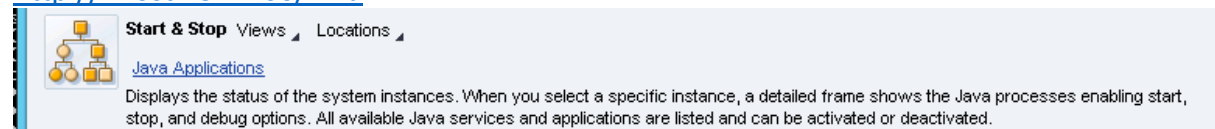
TASK LIST LOGS BREAKPOINTS



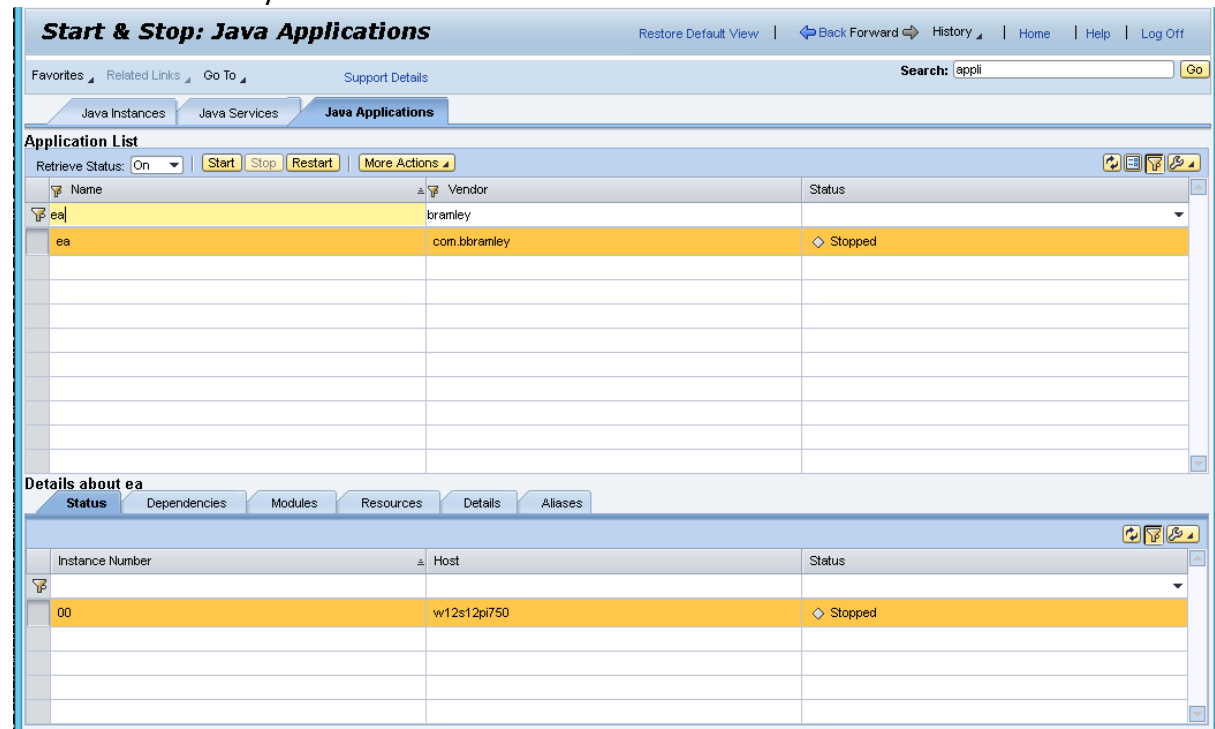


3. Once deployed the application should be visible in the SAP Netweaver console:

<http://<host>:5###00/nwa>



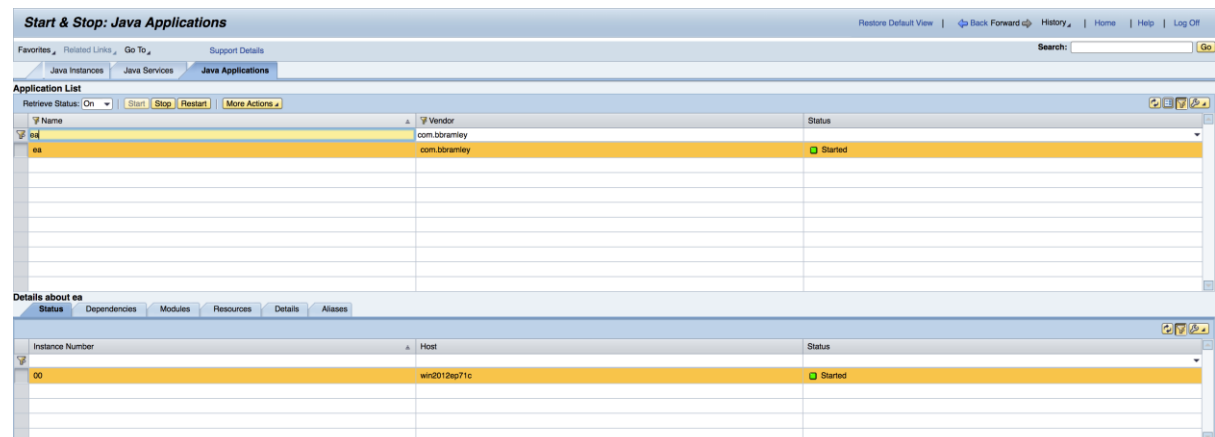
Search for bbramley



Name	Vendor	Status
ea	com.bbramley	Stopped

Instance Number	Host	Status
00	wr12s12pl750	Stopped

And start the service



Name	Vendor	Status
ea	com.bbramley	Started

Instance Number	Host	Status
00	wr012sp71c	Started

Configuration of Splunk

The SAP PowerConnect monitoring agent sends its metrics and events to Splunk using the Splunk HTTP Event Collector.

To configure the Splunk HTTP Event Collector (HEC) follow the documentation on the Splunk website here:

<http://docs.splunk.com/Documentation/SplunkCloud/6.6.0/Data/UsetheHTTPEventCollector>

This should result in creating a HEC token for the SAP PowerConnect monitoring agent to use in the next section.

Granting JMX security permissions to the Sap PowerConnect Agent (NetWeaver 7.5)

If you are using NetWeaver 7.5 the Guest user account needs to have read permissions to JMX in order to consume metrics from SAP specific JMX beans.

To do this use the User Management section in the SAP Netweaver UI:

The screenshot shows the SAP NetWeaver Application Server Java User Management section. The left sidebar contains a list of navigation links with icons: SAP Library, SAP NetWeaver Administrator, System Information, Web Services Navigator, User Management (selected), Web Dynpro, SAP Management Console, Services Registry, Information about Usage Types, Application Server Java Troubleshooting Guide, and EJB Explorer. The main content area displays the User Management section, which includes a search bar and a list of users. The search criteria are set to Role, All Data Sources, and Guest. The Go button is highlighted. Below the search bar, there are buttons for Create Role, Delete, and Export. The table below shows the search results, with columns for Principal Type, Name, and Description. The first row shows a search parameter and a Go button.

In the Search Criteria dropdown choose Role then enter Guest and click Go:

The screenshot shows the SAP NetWeaver User Management search interface. The top navigation bar includes links for Identity Management, Import, Configuration, and Consistency Check. The Search section is active, showing a search criteria dropdown set to Role, a search input field containing 'Guest', and a Go button. Below the search bar, there are buttons for Create Role, Delete, and Export. The table below shows the search results, with columns for Principal Type, Name, and Description. The first row shows a search parameter and a Go button.

Click on the Guest user in the table and click on the Assigned Actions tab:

The screenshot shows the SAP Identity Management interface. At the top, there's a navigation bar with 'Welcome Administrator', 'Identity Management', 'Import', 'Configuration', and 'Consistency Check'. Below this is a search bar with 'Search Criteria: Role', 'All Data Sources', and 'Guest'. A table lists roles, with 'Guest' selected. The 'Details of Role Guest' section is open, showing tabs for 'General Information', 'Assigned Groups', 'Assigned Users', 'Assigned Actions', and 'User Mapping for System Access'. The 'Assigned Actions' tab is active, displaying a search bar and a table with columns 'Principal', 'Type', 'Service / Application', and 'Name'. A message at the bottom of the table says 'Enter a search parameter and choose Go'.

Click Modify and in the text box enter “JmxManageAll” then click Go.

This screenshot shows the same SAP Identity Management interface as the previous one, but with the 'Assigned Actions' tab updated. The search bar now contains 'JmxManageAll'. The table in the 'Assigned Actions' tab now has two rows: one for 'jmx' and one for 'to-im-webadmin-permissions', both with the action name 'JmxManageAll'. The 'Add' button is visible at the bottom left of the table, and the 'Remove' button is at the bottom right.

Select the JmxManageAll action at the top of the table and click Add, then Save.

Create JMXManageAll role

1. Create a role called JMXManageAll

Details

Modify Save Cancel

General Information Assigned Groups Assigned Users Assigned Actions User Mapping for System Access

Unique Name: * JmxManageAll

Display Name:

Location:

Description: JmxManageAll

Unique ID:

2. Add all the **actions** under jmxmanageall that you can find

Details

Modify Save Cancel

General Information Assigned Groups Assigned Users Assigned Actions User Mapping for System Access

Available Actions

Get: JmxManageAll Go

P...	Type	Service / Application	Name
	UME	jmx	JmxManageAll
	UME	JMXrole	JmxManageAll
	UME	tc-lm-webadmin-permissions	JmxManageAll

Add

Assigned Actions

Get: Go

P...	Type	Service / Application	Name
	UME	jmx	JmxManageAll
	UME	JMXrole	JmxManageAll
	UME	tc-lm-webadmin-permissions	JmxManageAll

Remove

3. Click Save

Create User

Identity Management | Import | Configuration | Consistency Check

Search

Search Criteria: User | All Data Sources | powerconnect | Go | Advanced Search

Create User | Copy to New User | Delete | Unlock | Lock | Generate New Password | Export

Principal Type	Status	Logon ID	Name
Enter a search parameter and choose Go			

Details

Modify | Save | Cancel

General Information | Account Information | Contact Information | Additional Information | Assigned Roles | Assigned Groups

Logon ID: * powerconnect

☒ Define Initial Password
☐ Generate Password
☐ Disable Password

Define Password: *
Confirm Password: *

Last Name: * powerconnect

First Name:

E-Mail Address:

Form of Address:

Language:

Activate Accessibility Feature: ☐

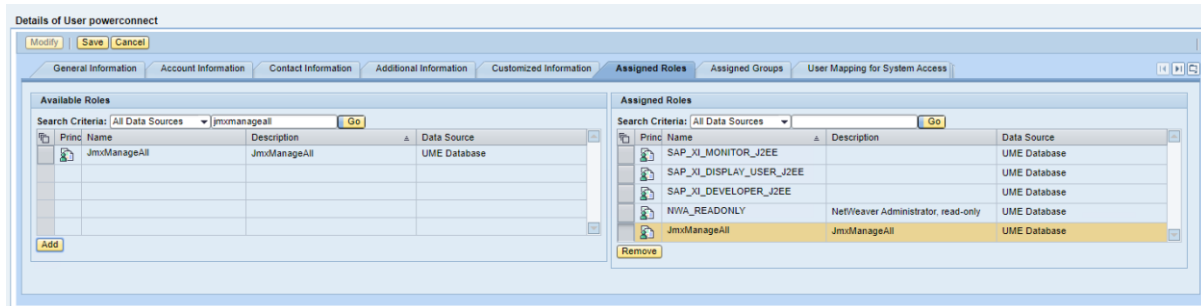
Security Policy: Default

Unique ID:

Make it a technical user *important*

Add the following 5 roles to the user

- SAP_XI_API_DEVELOP_J2EE (PI only)
- SAP_XI_API_DISPLAY_J2EE (PI only)
- NWA_READONLY (all)
- SAP_XI_MONITOR_J2EE (PI only)
- JmxManageAll



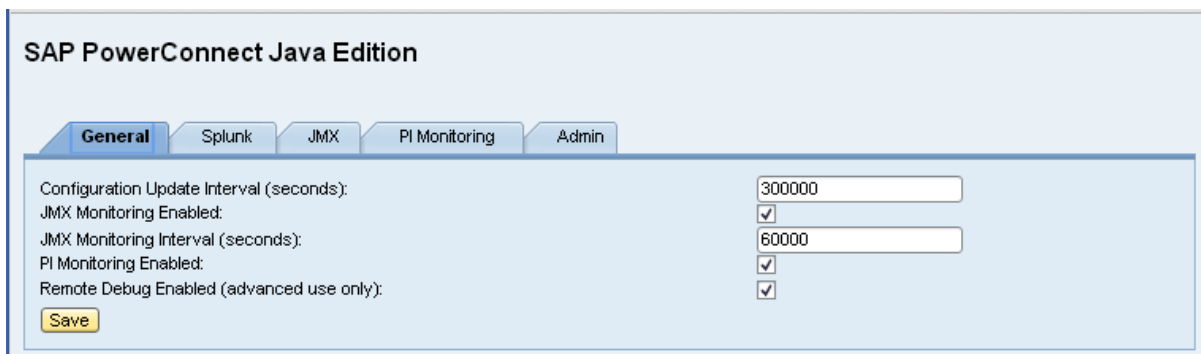
Configuration of Sap PowerConnect Agent

The final step is to use the Sap PowerConnect UI to configure the agent.

The URL to view the UI is:

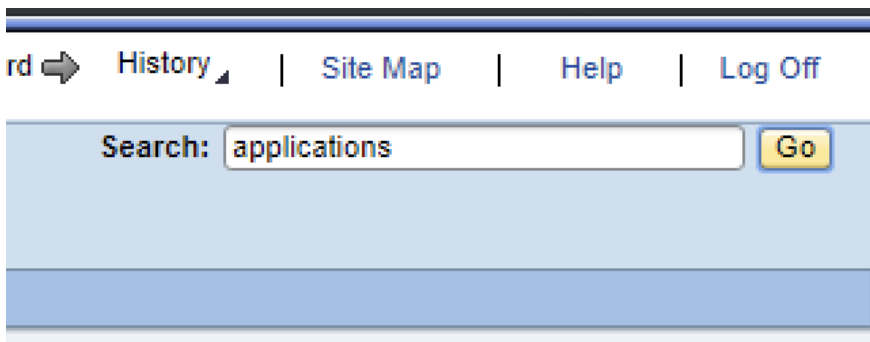
http://<server>:<port>/webdynpro/resources/com.powerconnect5/spci_wd/SapPowerConnectJava

The UI should look like this:



If you get ERROR returned check that the Java services are running

1. Restart the application



Start & Stop: Java Applications Restore Default View | Back Forward

[Favorites](#) | [Related Links](#) | [Go To](#) | [Support Details](#)

[Java Instances](#) | [Java Services](#) | [Java Applications](#)

Application List

Retrieve Status:

Name	Vendor	Status
spci_app	powerconn com.powerconnect5	Started
spci_vrd	com.powerconnect5	Started

[Favorites](#) | [Related Links](#) | [Go To](#) | [Support Details](#)

[Java Instances](#) | [Java Services](#) | [Java Applications](#)

Application List

Retrieve Status:

Name	Vendor	Status
spci_vrd	powerconn com.powerconnect5	Implicit stopped (dependency failed)
spci_app	com.powerconnect5	Implicit stopped (dependency failed)

General Tab

The configuration under the General tab can normally be left as default options.

SAP PowerConnect Java Edition

[General](#) | [OMS](#) | [JMX](#) | [PI Monitoring](#) | [Log Monitoring](#) | [Admin](#)

Monitoring Plugins

Configuration Update Interval (ms):

JMX Monitoring Enabled: ☒

JMX Monitoring Interval (ms):

PI Monitoring Enabled: ☐

Channel Monitoring Enabled: ☐

Channel Monitoring Interval (ms):

Thread Monitoring Enabled: ☐

Thread Monitoring Interval (ms):

Web Session Monitoring Enabled: ☐

Web Session Monitoring Interval (ms):

Portal Activity Monitoring Enabled: ☐

Default Trace Monitoring Enabled: ☒

Application Trace Monitoring Enabled: ☒

Authentication

PowerConnect User:

PowerConnect Password:

Splunk Tab

Click the Splunk tab and configure the Splunk HEC details:

Configuration Key	Description
Splunk HEC Key	The token that you generated when configuring Splunk
Splunk HEC URL	The host and port of where the Splunk HEC is listening e.g. http://localhost:8088
Splunk Index	The name of the index where you would like to store the SAP PowerConnect monitoring data
Splunk Sourcetype	The name you would like give to identify the SAP PowerConnect monitoring events (should usually be left as default)

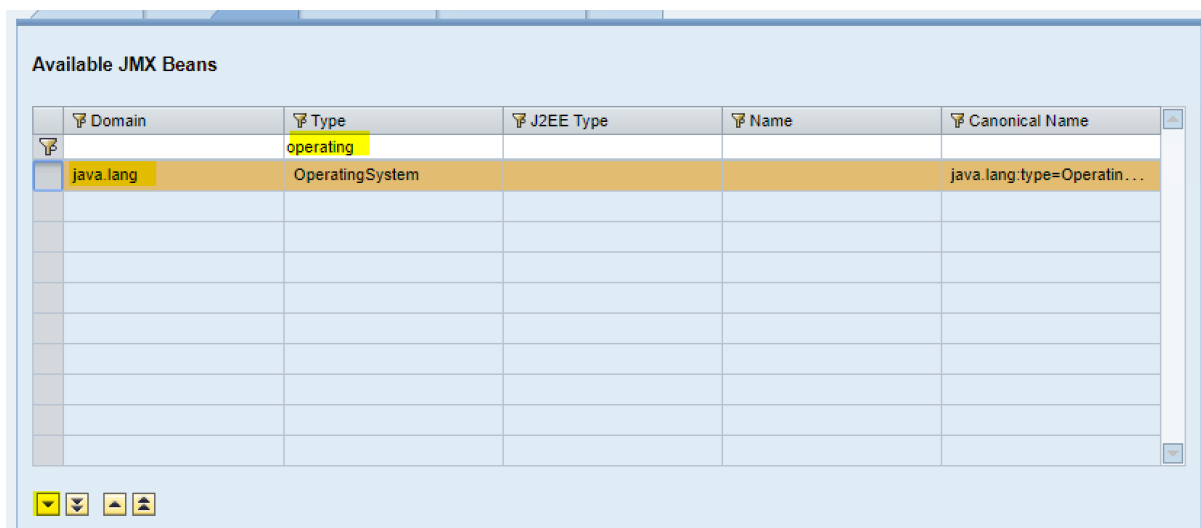
Click the Save button.

Click the JMX tab to pick the events you would like to collect from the SAP Netweaver system. By default the java.lang domain beans are collected.

Once configured events should start to appear in the JVM tab of the SAP PowerConnect for Splunk app:

JMX Tab

Here you can define the JMX beans you want to monitor, search for and select the bean in the top table,



and then use the down triangle to move it to the list of **Enabled Mbeans**

SAP PowerConnect Java Edition

General Splunk **JMX** PI Monitoring Admin

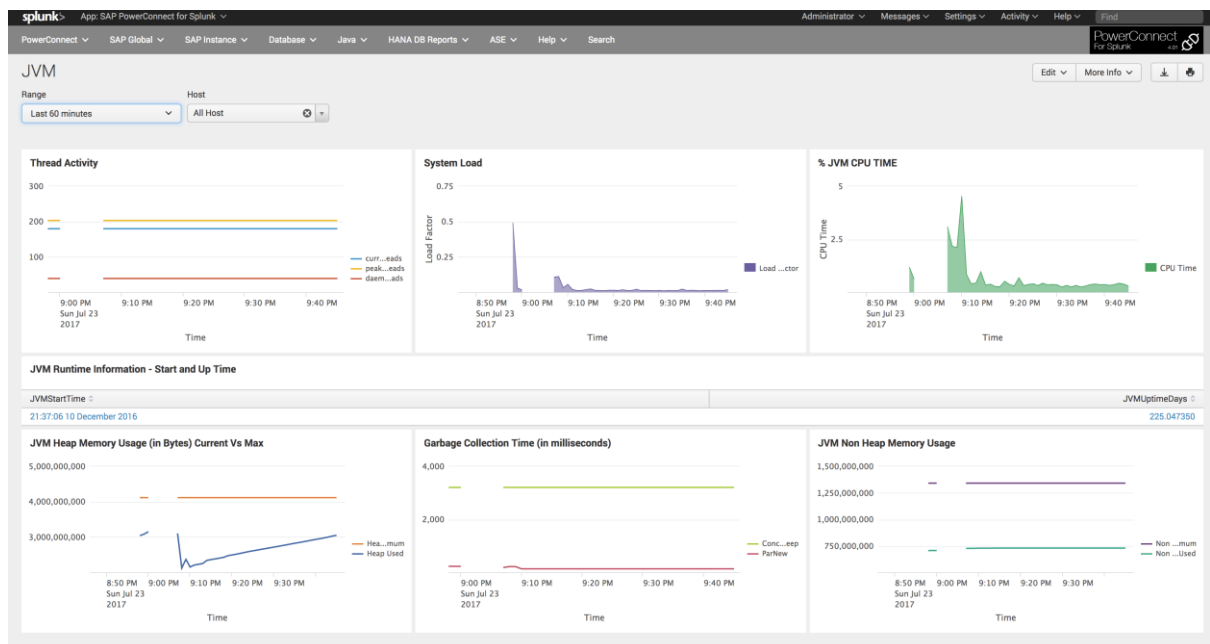
Available JMX Beans

Bean Name
com.sap.default:SAP_JTSAMJ2eeApplicationConfiguration:ApplicationVendor=sap.com,SAP_JTSAMJ2eeApplicationConfiguration.InstanceID=sc-bi_udi,SAP_JTSAMJ2eeCluster.CreationClassName=SAP_JTSAMJ2eeCluster,S...
com.sap.default:SAP_J2EECluster=P74,SAP_J2EEClusterNode=4865450,J2eeType=SAP_MonitorPerNode,name="/Services/Web Container"
com.sap.default:SAP_JTSAMJ2eeApplicationComponent.Name=tc-bpem-content-so,SAP_JTSAMJ2eeApplicationComponent.SoftwareType=J2EE,SAP_JTSAMJ2eeApplicationComponent.Vendor=sap.com,cimclass=SAP_JTS...
com.sap.default:EJBModule=sap.com:tc-archtech-sbook_init_ejb.jar,J2EEApplication=sap.com:tc-archtech-sbook_wvd,J2EEServer=P74,SAP_JTSAMJ2eeApplication.CreationClassName=SAP_JTSAMJ2eeApplication,SAP_J...
com.sap.default:SAP_J2EECluster=P74,J2eeType=SAP_J2EECommandsGroup,name=webcontainer_applications_by_alleas
com.sap.default:SAP_J2EECluster=P74,SAP_J2EEClusterNode=4865450,J2eeType=SAP_MonitorPerNode,name="/Services/Connector Service/Applications/sap.com/com.sap.aii.af.app/Unknown/RegisterTestTopicFactory/M...
com.sap.default:EJBModule=sap.com:tc-bpem-tm-ejb.jar,J2EEApplication=sap.com:tc-bpem-tm-ear,J2EEServer=P74,SAP_JTSAMJ2eeApplication.CreationClassName=SAP_JTSAMJ2eeApplication,SAP_JTSAMJ2eeApplicat...
com.sap.default:SAP_JTSAMJ2eeApplicationConfiguration:ApplicationVendor=sap.com,SAP_JTSAMJ2eeApplicationConfiguration.InstanceID=com.sap.ip.bi.base.application,SAP_JTSAMJ2eeCluster.CreationClassName=SAP...
com.sap.default:EJBModule=sap.com:tc-slm-business.jar,J2EEApplication=sap.com:tc-slm-slmapp,J2EEServer=P74,SAP_JTSAMJ2eeApplication.CreationClassName=SAP_JTSAMJ2eeApplication,SAP_JTSAMJ2eeApplicati...
com.sap.default:J2EEServer=P74,SAP_JTSAMJ2eeApplication.CreationClassName=SAP_JTSAMJ2eeApplication,SAP_JTSAMJ2eeApplication.Name=sap.com/core.dev,SAP_JTSAMJ2eeCluster.CreationClassName=SAP_JTSA...

Enabled JMX Beans

Bean Name
java.lang:type=OperatingSystem
java.lang:type=Threading
java.lang:type=Memory
java.lang:type=ClassLoading
java.lang:type=Runtime
com.sap.default:SAP_J2EECluster=P74,SAP_J2EEClusterNode=4865450,J2eeType=SAP_MonitorPerNode,name="/Kernel/Session Manager/LoggedInUsers Table"
com.sap.default:SAP_J2EECluster=P74,SAP_J2EEClusterNode=4865450,J2eeType=SAP_MonitorPerNode,name="/Kernel/Session Manager/LoggedInUsers Count"
com.sap.default:SAP_J2EECluster=P74,SAP_J2EEClusterNode=4865450,J2eeType=SAP_MonitorPerNode,name="/Services/DevelopmentServer/Sessions/Statistics/User Sessions"

Save



JMX Tab

To enable monitoring of a specific JMX object simply search for the object and once you have it in the top table, click on the down triangle to move it to the list of monitored jmx objects and click save.

PI Monitoring Tab

To monitor a specific PI channel in the PI monitoring tab you can enter the following information

direction - "OUTBOUND","INBOUND" or leave as NOT_CONFIGURED to monitor both directions

onlyFaultyMessages - <leave cleared>

recieverName – Enter the receiver name, or leave NOT_CONFIGURED to monitor all receivers

recieverParty - Enter the receiver party name, or leave NOT_CONFIGURED to monitor all receivers

senderName - Enter the sender name, or leave NOT_CONFIGURED to monitor all senders

senderParty - Enter the sender party name, or leave NOT_CONFIGURED to monitor all senders

status – Can be one of the following values “success”, “toBeDelivered”, “waiting”, “holding”, “delivering”, “systemError”, “canceled”, or leave NOT_CONFIGURED to monitor all statuses

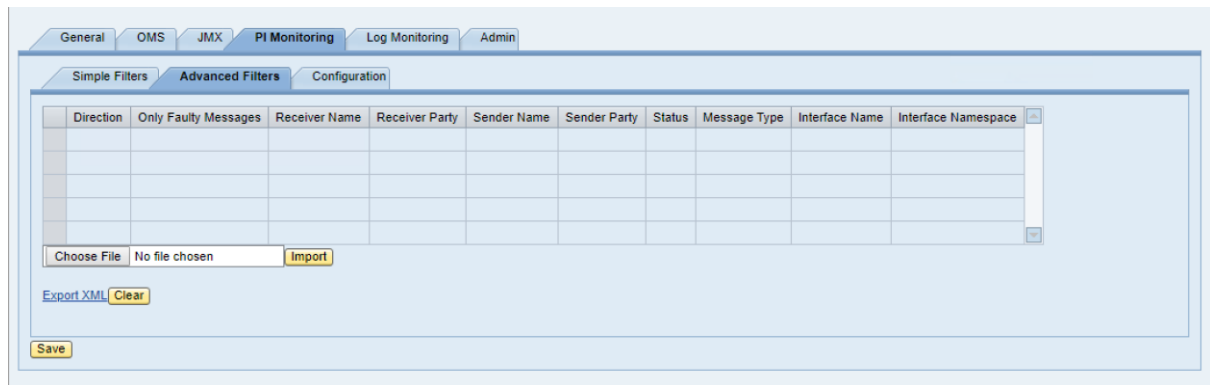
messageType - Enter the message type name, or leave NOT_CONFIGURED to monitor all senders

Use the simple monitor for specifying a single filter (1 only). NOT_CONFIGURED means no filter and equals '*' or match anything. The below filter matches all messages, as there is no filter. Enter a matching string for filtering by one of the below fields, wildcards are supported i.e. ReceiverName = "testReceiver*".

The screenshot shows a web-based configuration interface for PI Monitoring. At the top, there are tabs for General, OMS, JMX, PI Monitoring (selected), Log Monitoring, and Admin. Below these, there are sub-tabs for Simple Filters (selected), Advanced Filters, and Configuration. The Simple Filters section contains a list of fields for filtering messages, each with a text input box. The fields and their current values are: Direction: NOT_CONFIGURED, Only Faulty Messages: (checkbox), Reciever Name: NOT_CONFIGURED, Reciever Party: NOT_CONFIGURED, Sender Name: NOT_CONFIGURED, Sender Party: NOT_CONFIGURED, Status: NOT_CONFIGURED, Message Type: NOT_CONFIGURED, Interface Name: NOT_CONFIGURED, and Interface Namespace: NOT_CONFIGURED. A Save button is located at the bottom left of the Simple Filters section.

Field	Value
Direction:	NOT_CONFIGURED
Only Faulty Messages:	<input type="checkbox"/>
Reciever Name:	NOT_CONFIGURED
Reciever Party:	NOT_CONFIGURED
Sender Name:	NOT_CONFIGURED
Sender Party:	NOT_CONFIGURED
Status:	NOT_CONFIGURED
Message Type:	NOT_CONFIGURED
Interface Name:	NOT_CONFIGURED
Interface Namespace:	NOT_CONFIGURED

Use the advanced filter for multiple filters.



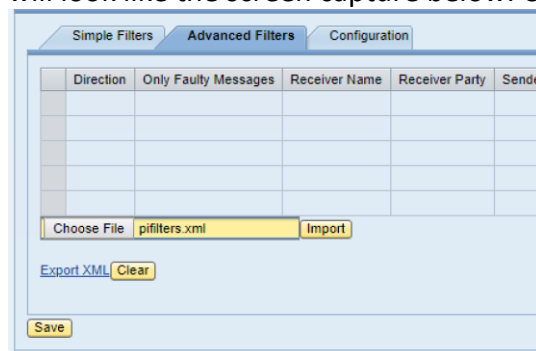
The default format is below. For a single filter

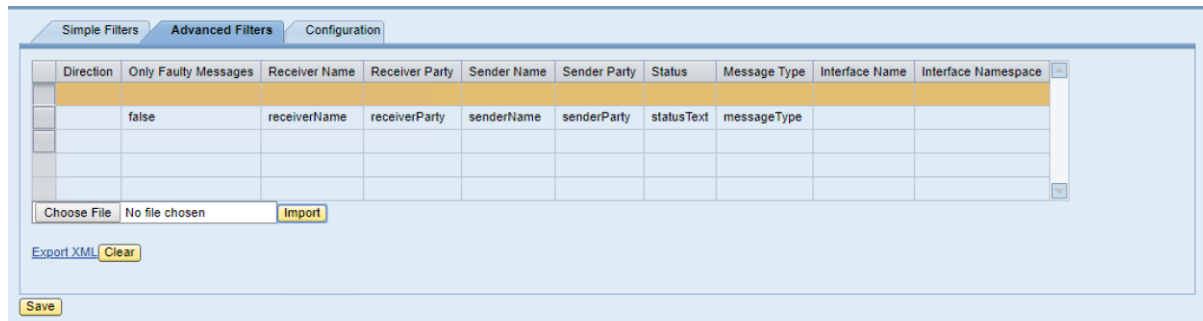
```
<?xml version="1.0" encoding="UTF-8"?>
<PIFilters>
  <PIFilter>
    <direction></direction>
    <interfacename></interfacename>
    <namespace></namespace>
    <messagetype></messagetype>
    <onlyfaultymessages>false</onlyfaultymessages>
    <receivername></receivername>
    <receiverparty></receiverparty>
    <sendername></sendername>
    <senderparty></senderparty>
    <status></status>
  </PIFilter>
</PIFilters>
```

For multiple filters you can repeat the <PIFilter> section multiple times.

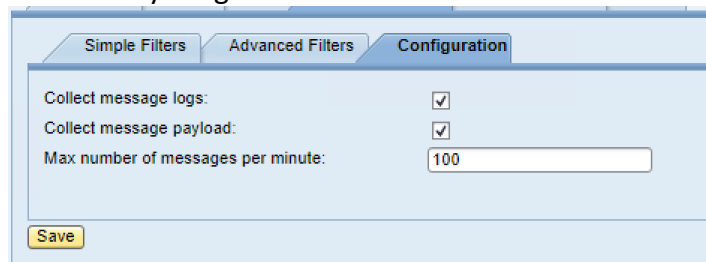
```
<?xml version="1.0" encoding="UTF-8"?>
<PIFilters>
  <PIFilter>
    <direction></direction>
    <interfacename></interfacename>
    <namespace></namespace>
    <messagetype>messageType</messagetype>
    <onlyfaultymessages>false</onlyfaultymessages>
    <receivername>receiverName</receivername>
    <receiverparty>receiverParty</receiverparty>
    <sendername>senderName</sendername>
    <senderparty>senderParty</senderparty>
    <status>statusText</status>
  </PIFilter>
  <PIFilter>
    <direction></direction>
    <interfacename></interfacename>
    <namespace></namespace>
    <messagetype></messagetype>
    <onlyfaultymessages>false</onlyfaultymessages>
    <receivername></receivername>
    <receiverparty></receiverparty>
    <sendername></sendername>
    <senderparty></senderparty>
    <status></status>
  </PIFilter>
</PIFilters>
```

Edit this filter, and save it in a document as an .xml file and then upload it, once uploaded it will look like the screen capture below. Click on **Choose File** -> select the file -> click **Import**





Filters are *inclusive* – you can include anything in the filter, but you can not set a filter to exclude anything.



The configuration tab allows you to specify

Collect message logs - Collects the PI/PO processing logs connected to each message

Collect message payload - Collects the PI/PO message payload

Max number of messages per minutes – Maximum number of messages per server nodes (there may be more than 1 server node per SAP instance. If you have 2 instances, with 2 server nodes each, then this is 100 messages / min / node which in this case is $2 \times 2 \times 100 = 200$ messages per minute).

Log Monitoring

This tab allows you to enable SAP Java log monitoring for

Portal Activity – This allows you to read and ingest the Portal Activity data which feeds the portal Page Hits/ and Page response time dashboards

Default Trace – This ingests the SAP Java defaultTrace logs

Application Trace - This ingests the SAP Java defaultTrace logs

These logs are read and any changes to these files (similar to a unix tail command) are identified and sent to Splunk.

The input for these is variable, these is generally no need to adjust these.

Log File Directory - The directory the log file is written to by SAP

Log Filename Filter - The filename mask for the log file written to by SAP

Log File Header- These are the headers to assign the columns that are contained in the logfile. These are pre-mapped but you can change them, they are comma delimited, and are mapped to the fields in the file in the sequence they appear in this field.

Portal Activity: TimeRequest,LoggedOnUser HASH,iView PCD HASH,Header of Request HSSH,HURL Query String HASH,Time to Process Request,ServerNode,TimeToProcessRequest,HTTPSessionID,NavigationPath,ObjectType,ServerHost,UniqueID,URLQueryString

Default Trace:

Unknown1,Time,Timezone,Severity,SourceName,Unknown2,CSNComponent,DCCComponent,Unknown3,CorrelationID,Application,Location,User,Session,Transaction,DSRRootContextID,DSRTransaction,DSRConnection,DSRCounter,ThreadName,Unknown4,Unknown5,Text

Application Trace:

Unknown1,Time,Timezone,Severity,SourceName,Unknown2,CSNComponent,DCCComponent,Unknown3,CorrelationID,Application,Location,User,Session,Transaction,DSRRootContextID,DSRTransaction,DSRConnection,DSRCounter,ThreadName,Unknown4,Unknown5,Text

The screenshot shows the 'Log Monitoring' tab selected in a software interface. It contains three sections for configuring logging: 'Portal Activity', 'Default Trace', and 'Application Trace'. Each section has three input fields: 'Log File Directory', 'Log Filename Filter', and 'Log File Header'. The 'Portal Activity' section has values: '/portalActivityTraces', 'portalActivity_.*', and 'TimeRequest,LoggedOnUser'. The 'Default Trace' section has values: '/log', 'defaultTrace_.*', and 'Unknown1,Time,Timezone,S'. The 'Application Trace' section has values: '/log', 'applications_.*', and 'Unknown1,Time,Timezone,S'. A 'Save' button is located at the bottom left of the configuration area.

Section	Log File Directory	Log Filename Filter	Log File Header
Portal Activity	/portalActivityTraces	portalActivity_.*	TimeRequest,LoggedOnUser
Default Trace	/log	defaultTrace_.*	Unknown1,Time,Timezone,S
Application Trace	/log	applications_.*	Unknown1,Time,Timezone,S

Admin Tab

This tab shows the license key, license validity volume of data sent to Splunk today. The 3 test buttons should be used to confirm these 3 functions can be successfully executed.

The screenshot shows the 'Admin' tab selected in a software interface. It contains three main sections: 'Licensing', 'Test Connectivity', and 'Troubleshooting'. The 'Licensing' section displays the 'License Key' as 'QUW7ZRKY-R7MCXJH6-CRZQKLS9-7KTDABMQ-BUCQCQDB', 'License Info' as 'S=EP+', 'License Expiry' as 'Fri Aug 21 23:00:00 AEST 2020', and 'License Usage' as '0'. The 'Test Connectivity' section has three buttons: 'JMX', 'OMS', and 'PI'. The 'Troubleshooting' section has a 'Show Log' button. A 'Save' button is located at the bottom left of the admin area.

Section	Field	Value
Licensing	License Key	QUW7ZRKY-R7MCXJH6-CRZQKLS9-7KTDABMQ-BUCQCQDB
	License Info	S=EP+
	License Expiry	Fri Aug 21 23:00:00 AEST 2020
	License Usage	0
Test Connectivity	JMX	Button
	OMS	Button
	PI	Button
Troubleshooting	Show Log	Button
	Save	Button

JMX – Checks that the user specified in the **General** tab has the necessary permissions to read the JMX data.

Splunk - Checks and confirms connectivity from SAP Java to Splunk.

PI - Checks that the user specified in the **General** tab has the necessary permissions to read the JMX data from the J2EE engine.

The **Show Log** button will display the powerconnect log which is written to the same directory as the defaultTrace/applicationTrace directory, and there is 1 log per server node.