

SAP NetWeaver Guide



Supportability Setup
Guide
for
Component Analyzer
SAP NetWeaver 04 SP
Stack 15

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Documentation in the SAP Service Marketplace

You can find this documentation at the following Internet address:
service.sap.com/Instguides






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Typographic Conventions

Type Style	Represents
Example Text	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options.
	Cross-references to other documentation
Example text	Emphasized words or phrases in body text, titles of graphics and tables
EXAMPLE TEXT	Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.
Example text	Screen output. This includes file and directory names and their paths, messages, names of variables and parameters, source code as well as names of installation, upgrade and database tools.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Pointed brackets indicate that you replace these words and characters with appropriate entries.
EXAMPLE TEXT	Keys on the keyboard, for example, function keys (such as F2) or the ENTER key.

Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

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Supportability Setup Guide – Solution Manager Diagnostics SAP NetWeaver 04 SP Stack 15

1 Introduction

Component Analyzer as Part of the Solution Manager Diagnostics Infrastructure

The **Component Analyzer (CA)** is an independent Java program that gathers configuration and file information that is requested by **SAP Solution Manager Diagnostics**. Technically, it reads all data from the file system (e.g. ini files) and/or from the J2EE configuration database and stores information in XML files. Solution Manager Diagnostics triggers the upload of these files by using the SMD Agent technology.

For detailed information about Component Analyzer including end user documentation, see [Component Analyzer](#) [page 10].

Solution Manager Diagnostics is explained in detail in [Solution Manager Diagnostics \(Standard Guide\)](#) [page 9] and [Solution Manager Diagnostics \(Advanced Guide\)](#) [page 9].

Implementation

This guide explains in detail the setup of Component Analyzer on systems that are connected to Solution Manager Diagnostics.

1.1 Naming Conventions

In this documentation, the following naming conventions apply:

Terminology

- The term **CA** is the same as Component Analyzer
- The term **NWA** is the same as NetWeaver Administrator
- The term **SMD** is the same as Solution Manager Diagnostics
- **Monitoring System** is a general term for the central entry point of system analysis & monitoring. In a SMD scenario, Monitoring System is the SMD system.
- **Monitored System** is a general term for a satellite system connected to SMD (e.g. Enterprise Portal)

Variables

Variables	Description
<SID>	SAP system ID
<DBSID>	Database system ID
<INSTDIR>	Installation directory of the SAP system
<J2EE_HOME>	Installation directory of the J2EE Engine
<JAVA_HOME>	Installation directory of the JDK (Java Development Kit)
<OS>	Operating system name within a path

2 Installation – Step by Step

Purpose

You use the tables in the following sections as checklists to navigate through the installation when you install your SAP system.

All necessary installation phases (planning, preparation, installation, and post-installation) are listed in these tables.

Use the links to the general descriptions of the actions and to any additional information to help you perform the actions. This prevents you missing important information.

Installation Strategy

Component Analyzer is automatically installed by SAPinst together with the SDM Agent installation. Refer to chapter *Installation of SMD Agent* in the SMD Setup Guide, refer to [Solution Manager Diagnostics \(Standard Guide\)](#) [see page 9].

Process Flow

1. You print out the relevant checklist:
 - To **install and setup CA for SAP solutions**, see table [Matrix for Component Analyzer Setup for SAP Solutions](#) [see page 7].
 - To **install and setup CA for Non-SAP solutions**, see table [Matrix for Component Analyzer Setup for Non-SAP Solutions](#) [see page 8].
2. You follow the installation sequence exactly as shown in the tables.
 - If a step is required for your installation, you follow the link for that step to the corresponding section.
 - You perform the procedure described there.
 - After you have successfully completed the installation step, you mark the corresponding entry in the printed table with ✓ to log the progress of your installation.
 - You proceed with the next step listed in the table.

2.1 Matrix for Component Analyzer Setup for SAP Solutions

Installation Matrix

For the Component Analyzer setup, some configuration tasks have to be performed. Please follow the table below for step-by-step processing of the setup tasks:

✓	Action on Monitored System	Remarks
	1. 4.1 Generic Setup [page 11]	
	2. 4.2 Installation of CA for SAP Software Solutions [page 12]	
	3. 4.3 Specific Steps for SAP Software Solutions [page 15]	

2.2 Matrix for Component Analyzer Setup for Non-SAP Solutions

Installation Matrix

For the Component Analyzer setup, some configuration tasks have to be performed. Please follow the table below for step-by-step processing of the setup tasks:

✓	Action on Monitored System	Remarks
	1. 4.1 Generic Setup [page 11]	
	2. 4.4 Installation of CA for Non-SAP Software Solutions [page 37]	

3 Installation Planning

Make sure that the prerequisites mentioned in this chapter are fulfilled before starting with SMD setup.

3.1 Required Documentation

The following sections describe the documentation you require for the installation.

- SAP Installation Notes
- Information in the SAP Service Marketplace
- Components for problem messages

3.1.1 SAP Installation Notes

You must read the following SAP Notes **before** you start the installation. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation.

Make sure that you have the up-to-date version of each SAP Note, which you can find in the *SAP Service Marketplace* at the Internet address:

service.sap.com/notes.

SAP Note Number	Title	Remarks
780177	Setup of Solution Manager Diagnostics	up-to-date setup information for SMD
815252	Installation of Component Analyzer	up-to-date setup information for CA
903825	Solution Manager Diag setup for xMII 11.5 with SMD	setup information for xMII 11.5

3.1.2 Information in the SAP Service Marketplace

Information on the following areas is available in the SAP Service Marketplace.



We recommend that you read this documentation before starting the installation.

Solution Manager Diagnostics (Standard Guide)

You will find the current version of the Solution Manager Diagnostics setup guide at service.sap.com/nw04operation → *Supportability* → *Supp. Setup Guide Solution - Manager Diagnostics NW04 SPS 15*.

General documentation for Solution Manager Diagnostics: start SAP Service Marketplace, and go to the *Solution Manager Diagnostics* area (service.sap.com/diagnostics).

Solution Manager Diagnostics (Advanced Guide)

In addition to the standard guide, the advanced guide provides more detailed information on the setup procedure of automated tasks, plus some information for non-standard SMD scenarios.

You will find the current version of the Solution Manager Diagnostics *advanced* setup guide at service.sap.com/nw04operation → *Supportability* → *Supp. Setup Guide - SoManDiag NW04 SPS 15 advanced*.

Component Analyzer

You will find the current version of the Component Analyzer setup guide at service.sap.com/nw04operation → *Supportability* → *Supp. Setup Guide - Component Analyzer NW04 SPS 15*.

End user documentation & FAQ list

You will find the end user documentation and a FAQ list for Solution Manager Diagnostics at service.sap.com/diagnostics.

CCMS Agents

Simplified setup steps of the CCMS Agent are explained in this guide. Otherwise, you can find the documentation for the CCMS Agents on SAP Service Marketplace at the *System Monitoring and Alert Management* area (service.sap.com/monitoring).

Choose *Monitoring in Detail*, and choose the document *CCMS Agents: Features, Installation, and Usage*.

OS Collector

Documentation for SAPOSCOL: start SAP Service Marketplace, and go to the *System Monitoring and Alert Management* area (service.sap.com/monitoring).

Choose *Monitoring in Detail*, and then choose the document *SAPOSCOL: Properties, Installation, and Operation*.

CRM Monitoring

You will find the current version of the CRM monitoring guides at service.sap.com/crm-inst → *SAP CRM 4.0* → *General and Technical Installation Guides*.

3.1.3 Components for Problem Messages

In case of problems, contact SAP Support by creating a message in Service Marketplace, components:

- **BC-JAS-ADM-CEN-AIN** issues related to Solution Manager Diagnostics
- **BC-CCM-MON-CAN** issues related to Component Analyzer
- **XX-PART-MIC** issues related to Mercury LoadGenerator
- **XX-PART-WILY** issues related to Wily Introscope

4 Installation Process

This chapter contains detailed information for installation & setup of Component Analyzer.

4.1 Generic Setup

Here you can find information independent of the solution where CA is to be installed on.

4.1.2 Location of CA Installation

Installation Directory

The location of Component Analyzer depends on the installation type. 3 different installation types are available: **SP14**, **Shared**, **Local**.

On every single host (machine), you can have more than one Component Analyzer installed. Each Component Analyzer is attached to a specific SMD Agent installation.

The following table shows the installation directory based on installation type (UNIX example):

Installation Type	Location of CA
SP 14	/usr/sap/ccms/component_analyzer <i>Note: this folder is standard for all CA < NW04 SP Stack 15</i>
Shared	/usr/sap/SMD/component_analyzer
Local	/usr/sap/SMD/J<XX>component_analyzer



Note: For Windows systems, /usr/sap/ is equivalent to \\saploc\.

Priority Rule for Retrieving Data

The SMD Agent is looking for the files `cca_systemlandscape.xml` & `cca_files.xml` in the following order:

1. if exists, installation type *Local* will be used first
2. if not exists, installation type *Shared* will be used next
3. if neither a CA installation on *Local* or *Shared* can be found, SMD Agent searches in the *SP 14* location



Note: Before installing a new SMD Agent or Component Analyzer, check the monitored system for already existing installations, especially when multiple SMD Agents are used.

4.1.3 Component Analyzer User Interface

The user interface (Java application) of Component Analyzer cannot be triggered within Solution Manager Diagnostics; it has to be started manually on OS level by launching command:

```
gather setup
```

This has to be done once for each monitored server (machine).

4.2 Installation of CA for SAP Software Solutions

The following sections contain general information for installation & setup of CA on software solutions provided by SAP.

4.2.1 Automatic Configuration

When the CA's user interface is started (refer to [4.1.3 Component Analyzer User Interface](#)), it searches for the file `support.xml` that is created/updated by SAPinst based installations of SAP NetWeaver products.



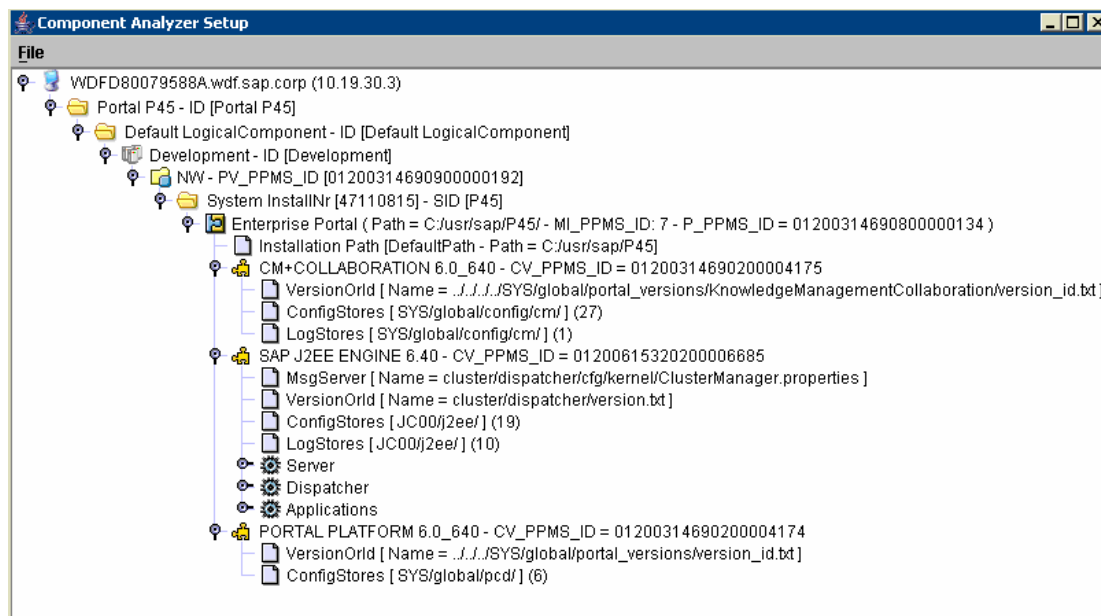
Note:

Location of `support.xml`:

- Windows: `<drive:>\WINDOWS\installation_support`
- UNIX: `/usr/sap/installation_support`

Example:

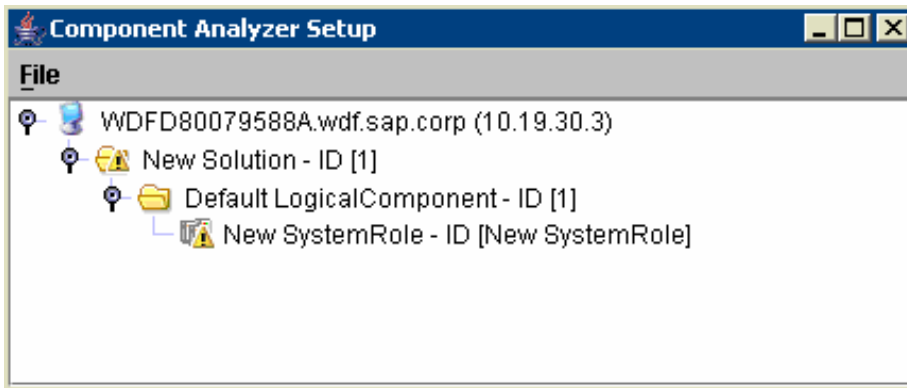
1. `support.xml` created for a NetWeaver 04 Portal: refer to [5.1.1 support.xml of a SAP NetWeaver 04 Portal](#).
2. Screenshot of Component Analyzer for a NetWeaver 04 Portal (all information provided):




4.2.2 Manual Configuration

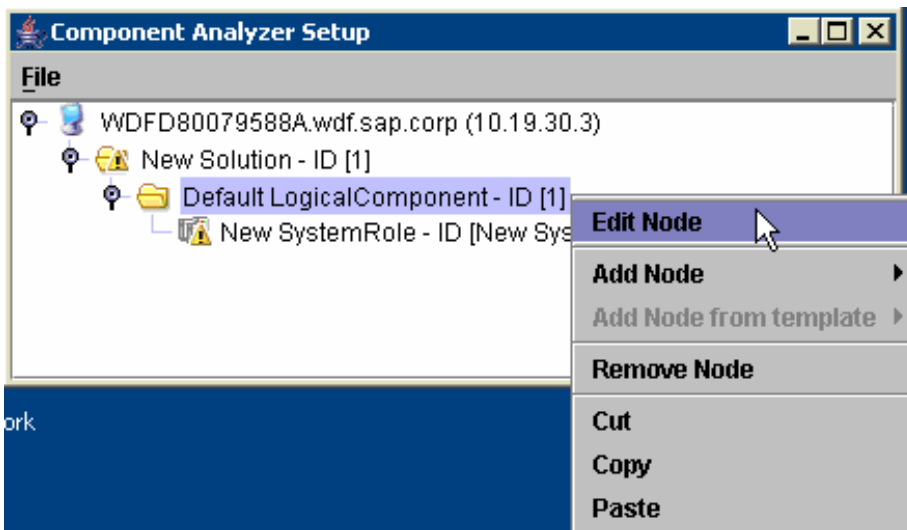
If the file `support.xml` does not exist or the SAPinst has not declared correctly the product name and set it to *Undefined*, the automatic detection does not work properly and thus a manual configuration is required.

In that case, the entry screen of Component Analyzer is the following:



In this case it is required to configure the landscape manually. The  symbol indicates either information that is mandatory but not yet provided or an error (a status message will be displayed after 'parking' the mouse cursor over the symbol).

Right-clicking a node opens a context menu, where you can edit the configuration:



4.2.3 Verification

In any case, the configuration (automatic or manual) requires this verification step. The configuration must be fully described and compliant with the server. By using the templates provided, wild cards (?, *) have to be replaced with actual server information.

For adding, editing, or removing actions, a context menu is available by triggering a right-click with the mouse.

By editing node *Solution* (e.g. 'Portal P45'), you can provide a name that will be displayed in SMD afterwards.

By editing node *SystemRole* (e.g. 'Development'), you can choose right-click → *Add Node from template* to add SAP software components (e.g. NetWeaver Portal) if the listed ones are incomplete. When you click on a component you can choose right-click → *Add Node* to add sub-components (e.g. J2EE server nodes).

For *System InstallNr*, you have to enter:

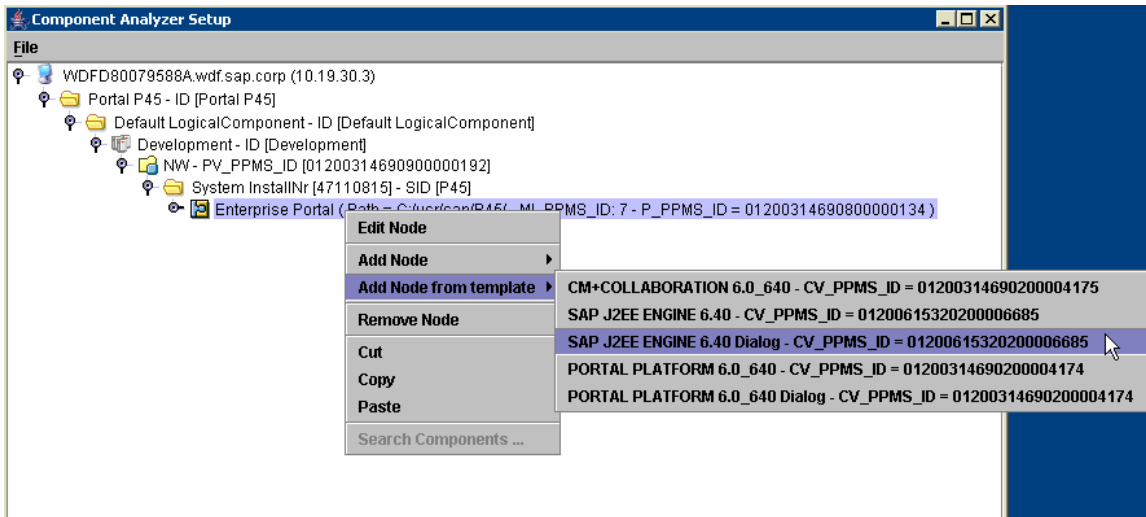
- *SID*: System Identifier, e.g. P45
- *InstallNr*: Installation number, e.g. 47110815

Refer to the example screenshot provided in [4.2.1 Automatic Configuration](#) [page 12].

4.2.4 Adding / Removing Nodes

If you want to add or remove a node, you have to right-click in the tree. A popup menu with several choices (*Edit Node*, *Add Node*, *Remove Node* etc.) will be displayed. The possible choices depend on the software component installed and the position of the node in the configuration tree (node hierarchy).

Example screenshot:



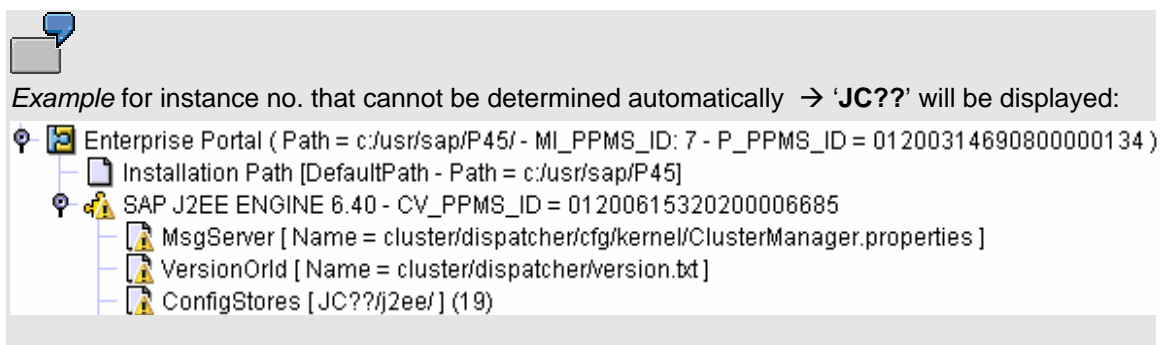
Continue with the appropriate menu item

4.2.5 Node Hierarchy

The Node hierarchy within Component Analyzer is always the following.


Host → Solution → Logical Component → System Role → System → Products → Main Instance → Component → Instance

The nodes which display some exclamation marks (?) require **manual user input**: By default (for a non-detected system), *New Solution* and *New SystemRole* are both requiring an update. As soon as the configuration is complete, all exclamation marks disappear.



When information is missing, the corresponding node will be marked with a  symbol.



Note: Before saving a solution/landscape, make sure that no more exclamation marks (?) and/or  symbols are displayed!

Installation Path points CA to the 'root' folder of a software component.



Note: Make sure that the folder entered in *Installation Path* uses forward slashes (/) for both UNIX and Windows systems.
Furthermore, the path has to end with another forward slash (/).

Windows example: `c:/usr/sap/P45/`

UNIX example: `/usr/sap/P11/`

4.2.6 Saving System Landscape

If you save a system landscape (using the menu File → Save SystemLandscape Files), the information is written into the files

- `cca_systemlandscape.xml` (contains software components, location of config stores, etc.)
- `cca_files.xml` (contains file names for each config store, log store, etc.)


within the folder where Component Analyzer is installed.

4.3 Specific Steps for SAP Software Solutions

The following sections contain detailed information for installation & setup of CA on software solutions provided by SAP.

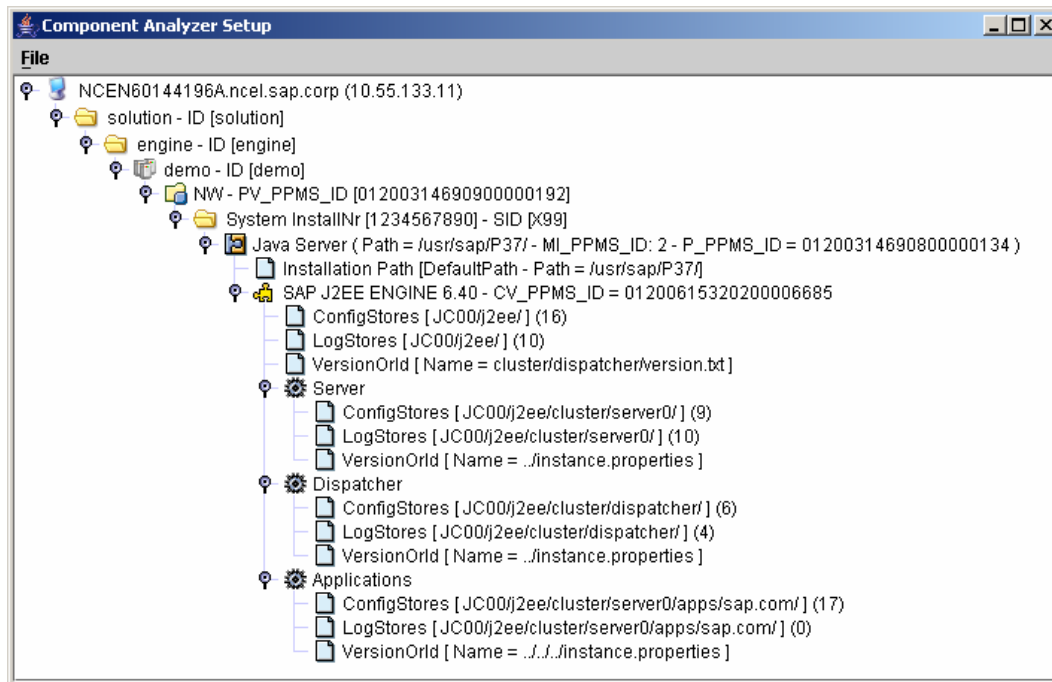
4.3.1 CA Setup for SAP NetWeaver 04 Java Server

Java Server Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4. Select <i>Add Node from template</i> , choose NW	
	5. Enter SID and installation number	
	6. Select <i>Add Node from template</i> , choose Java Server	
	7. Edit the installation path	e.g. <code>/usr/sap/P37/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components are correct & complete	expand node tree, check for ?? and  symbols
	10. Save system landscape	

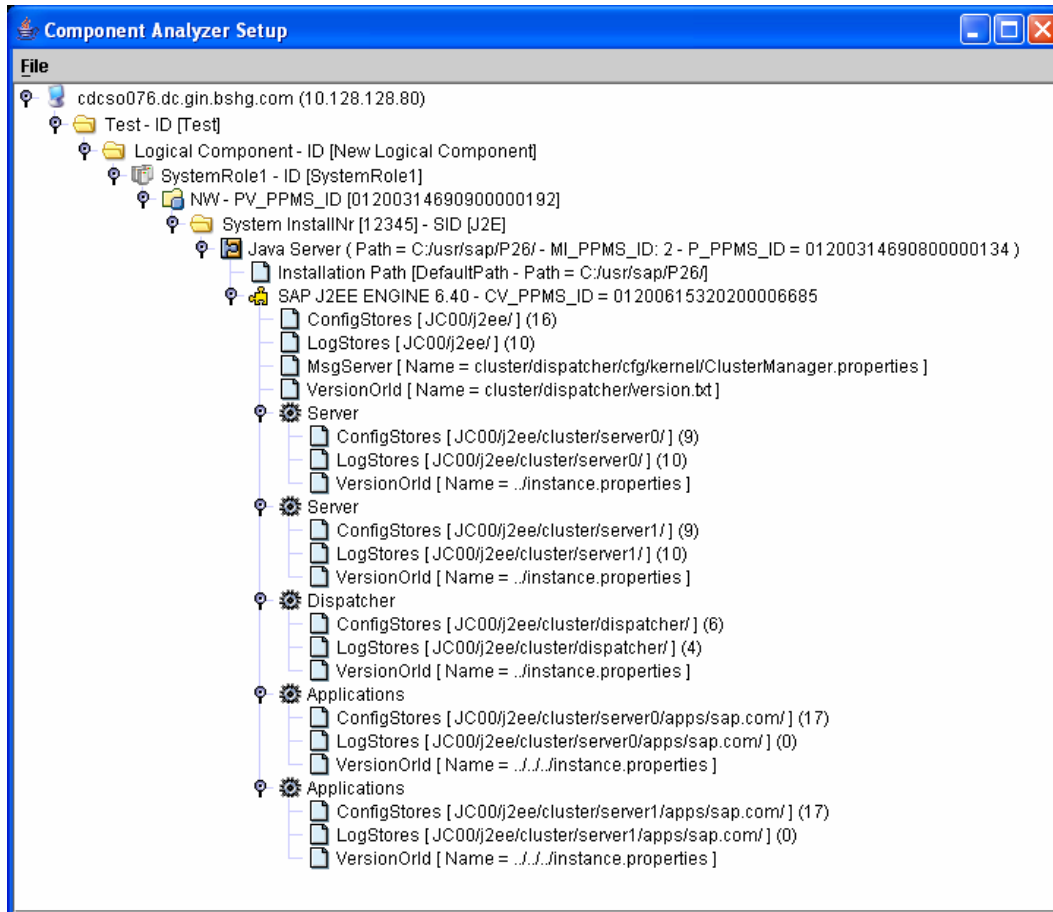
Single Dispatcher / Single Server Node

If the monitored system defines a SAP J2EE Engine 6.40, the CA setup should look like the example below:



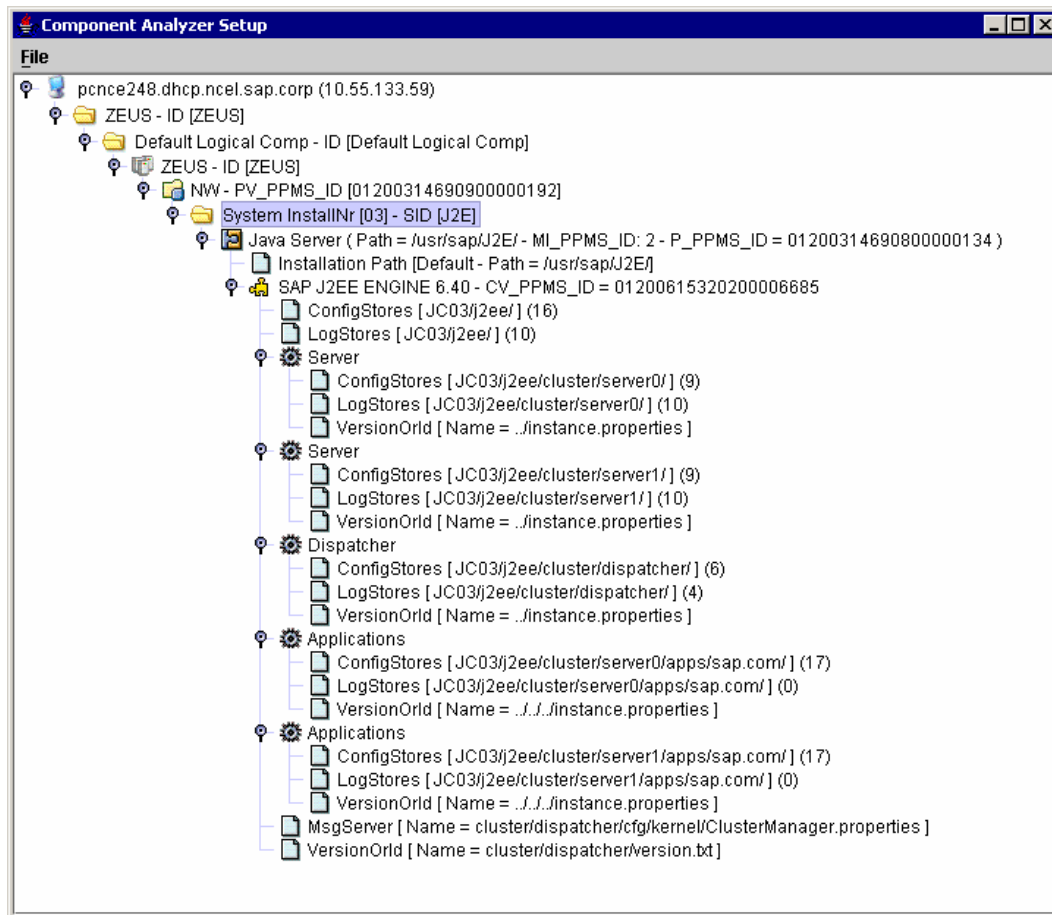
Single Dispatcher / Multiple Server Nodes

If the monitored system defines a SAP J2EE Engine 6.40 with one dispatcher and multiple server nodes, the CA setup should look like the example below:



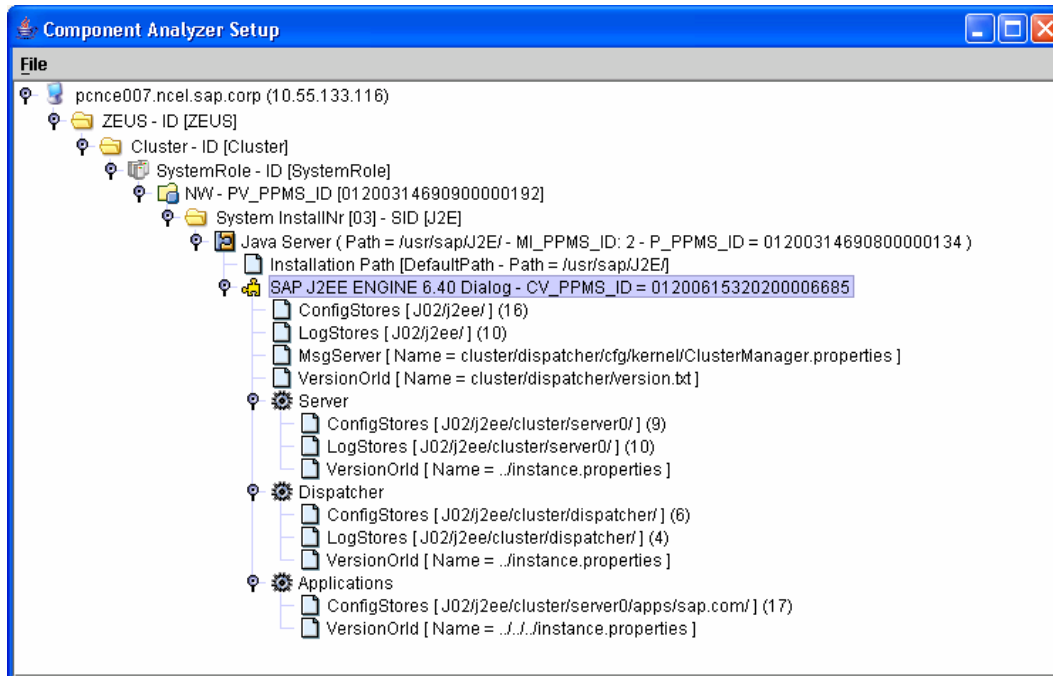
Cluster / Central Instance with Single Dispatcher / Multiple Server Nodes

For monitored systems in a SAP J2EE cluster environment, the CA setup for the central (main) instance should look like the example below:



Cluster / Dialog Instance with Single Dispatcher / Single Server Node

For monitored systems in a SAP J2EE cluster environment, the CA setup for a dialog instance should look like the example below:



Note:

Installation Number and **SID** of the dialog instance have to be the same as for the main instance!

4.3.2 CA Setup for SAP Enterprise Portals

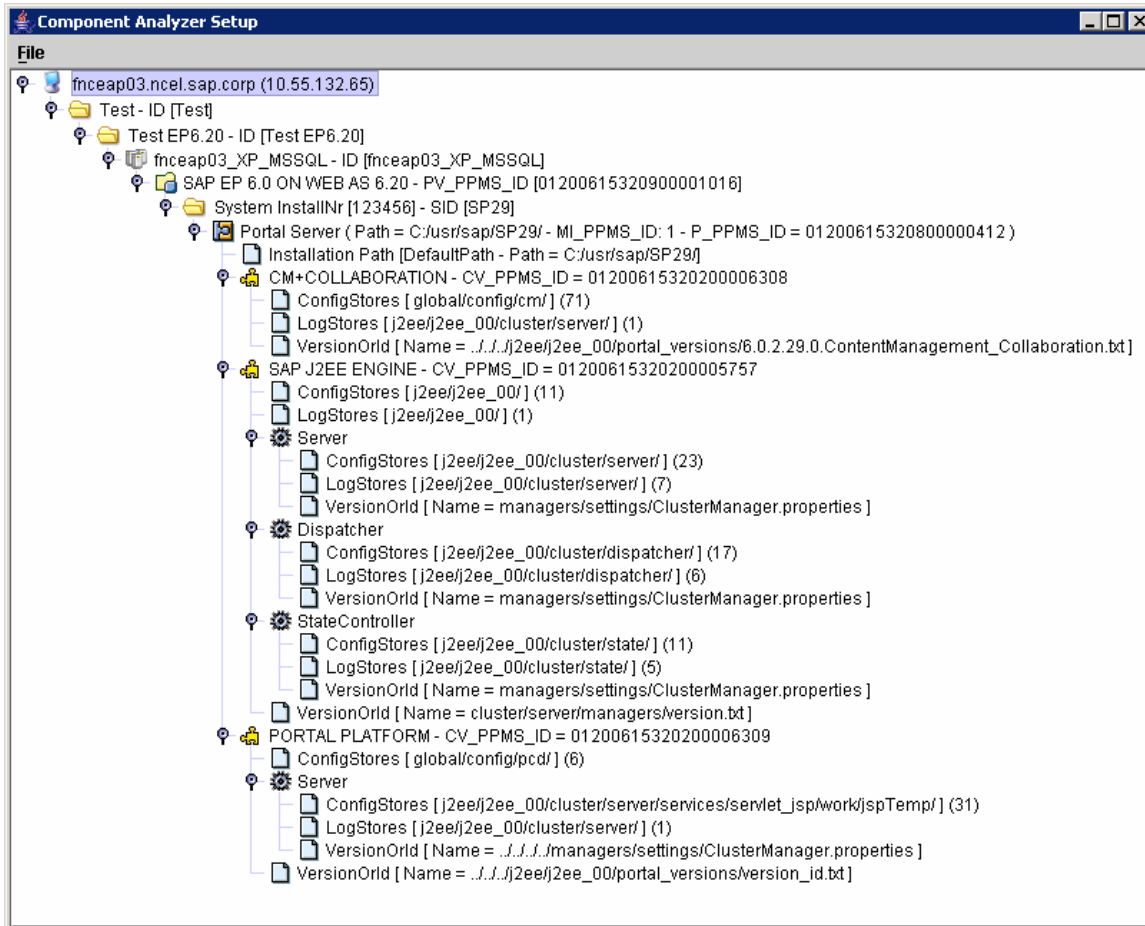
Enterprise Portal Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4a. Select <i>Add Node from template</i> , choose NW	for NW Portals (6.40) only!
	4b. Select <i>Add Node from template</i> , choose SAP EP 6.0	for 6.20 based Portals only!
	5. Enter SID and installation number	
	6. Select <i>Add Node from template</i> , choose Java Server	
	7. Edit the installation path	e.g. <code>/usr/sap/SP29/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components are correct & complete	expand node tree, check for ?? and symbols

10. Save system landscape

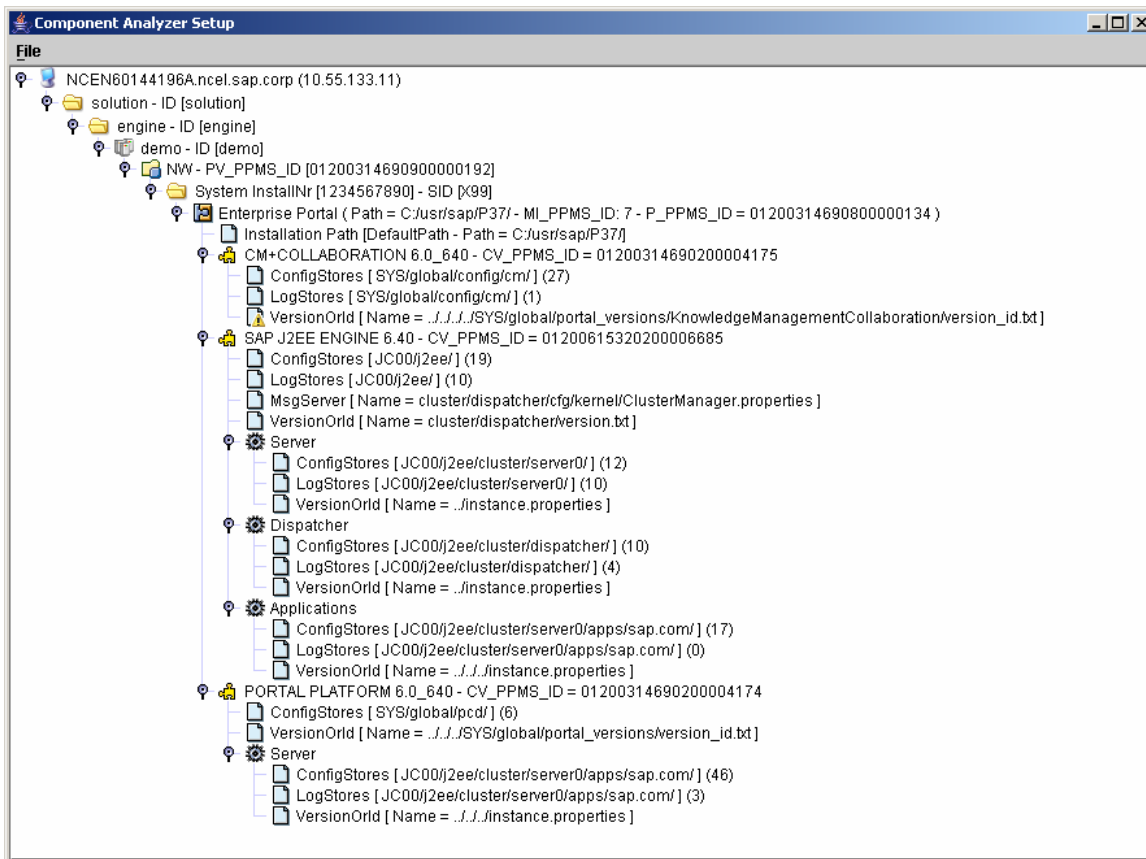
SAP Enterprise Portal EP 6 SP 2 (6.20 based)

If the monitored system defines a SAP Enterprise Portal EP 6 SP 2 (based on SAP J2EE Engine 6.20), the CA setup should look like the example below:



SAP NetWeaver 04 Portal (6.40 based) / Central Instance

For clustered SAP NetWeaver 04 Portals (based on SAP J2EE Engine 6.40) with Collaboration installed, the CA setup for the central (main) instance should look like the example below:

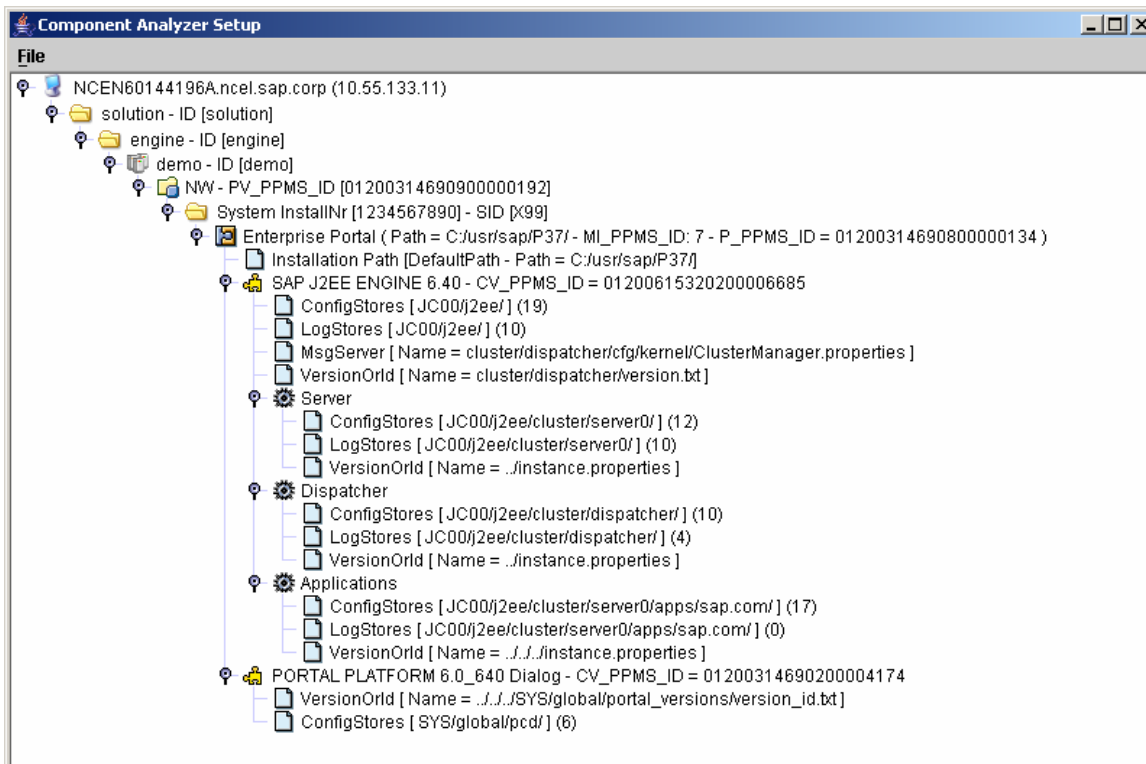


Note:

- Sometimes, Component Analyzer adds a dialog instance, although it is not installed on the system. Please remove such a unwanted instance!
- In some cases, erroneous properties are proposed for the main instance. The example above shows a non-existing server node under *Portal Platform* that has to be removed manually.

SAP NetWeaver 04 Portal (6.40 based) / Dialog Instance

For clustered SAP NetWeaver 04 Portals (based on SAP J2EE Engine 6.40), the CA setup for a dialog instance should look like the example below:

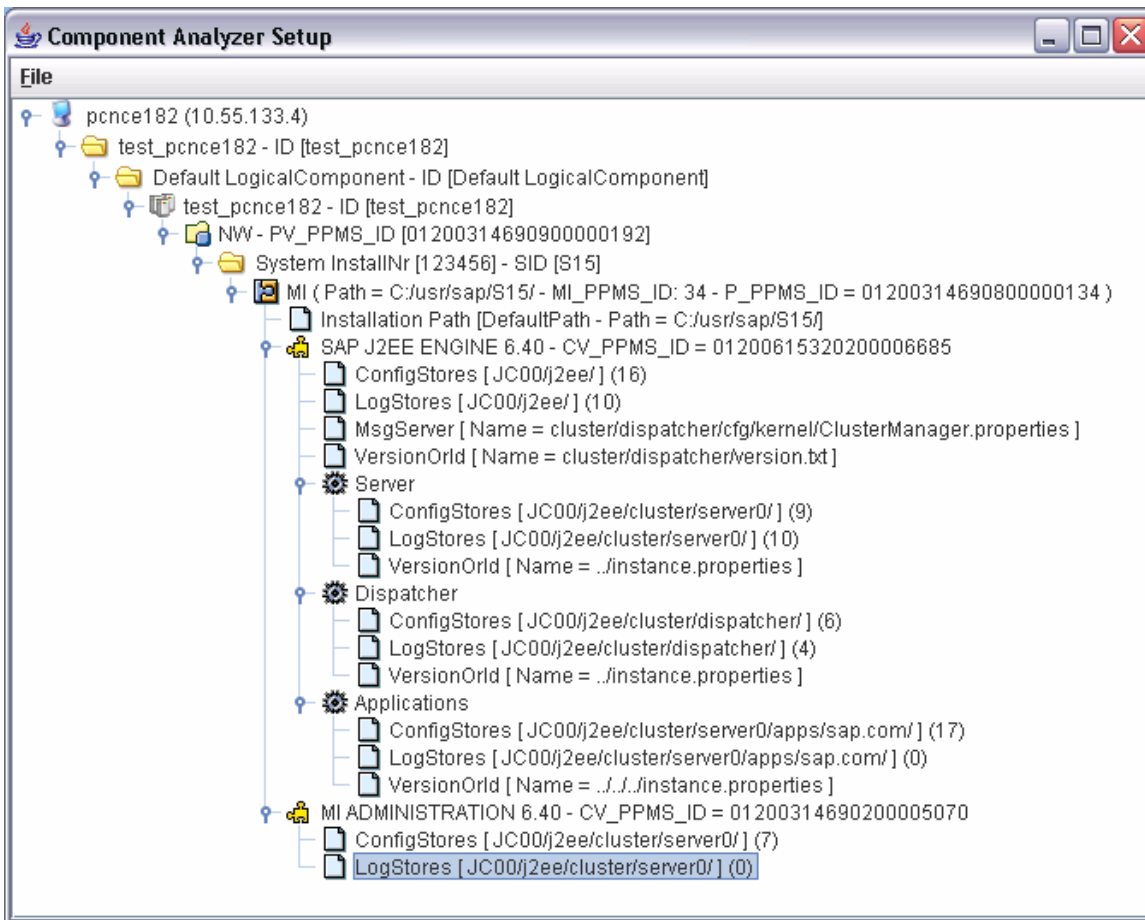


4.3.3 CA Setup for SAP Mobile Infrastructure

Mobile Infrastructure (MI) Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER_SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4. Select <i>Add Node from template</i> , choose NW	
	5. Enter SID and installation number	
	6. Select <i>Add Node from template</i> , choose MI	
	7. Edit the installation path	e.g. <code>/usr/sap/S15/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components are correct & complete	expand node tree, check for ?? and 🚩 symbols
	10. Save system landscape	

For SAP Mobile Infrastructure (MI) systems, the CA setup should look like the example below:

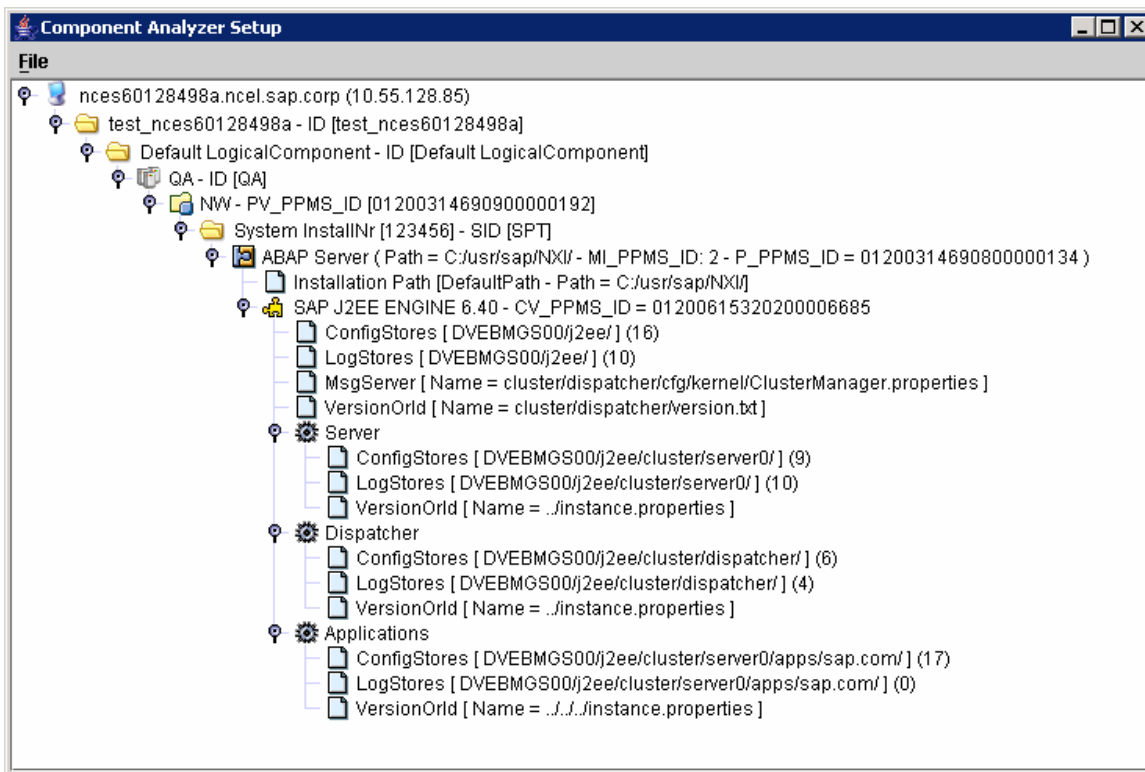


4.3.4 CA Setup for SAP NetWeaver Dual Stack

Dual Stack (Java Add-In) Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4. Select <i>Add Node from template</i> , choose NW	
	5. Enter SID and installation number	
	6. Select <i>Add Node from template</i> , choose ABAP Server	
	7. Edit the installation path	e.g. <code>/usr/sap/SPT/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components are correct & complete	expand node tree, check for ?? and ⚠ symbols
	10. Save system landscape	

For a SAP NetWeaver 04 Dual Stack (Java Add-In), the CA setup should look like the example below:



4.3.5 CA Setup for SAP PI/XI

This chapter is intended to give some additional information for the use of the Component Analyzer for SAP Process Integration (PI/XI) of Netweaver 2004.

Components of SAP PI/XI

Within SAP Process Integration (PI/XI) the following components (main instances) do exist:

Components (Main Instances) of SAP Process Integratin (PI/XI)
Process Integration (PI/XI – old terminology: Exchange Infrastructure)
J2EE Adapter Engine (PI/XI)
J2SE Adapter Engine (PI/XI)
Partner Connect. Kit (PI/XI)

Setup Scenarios

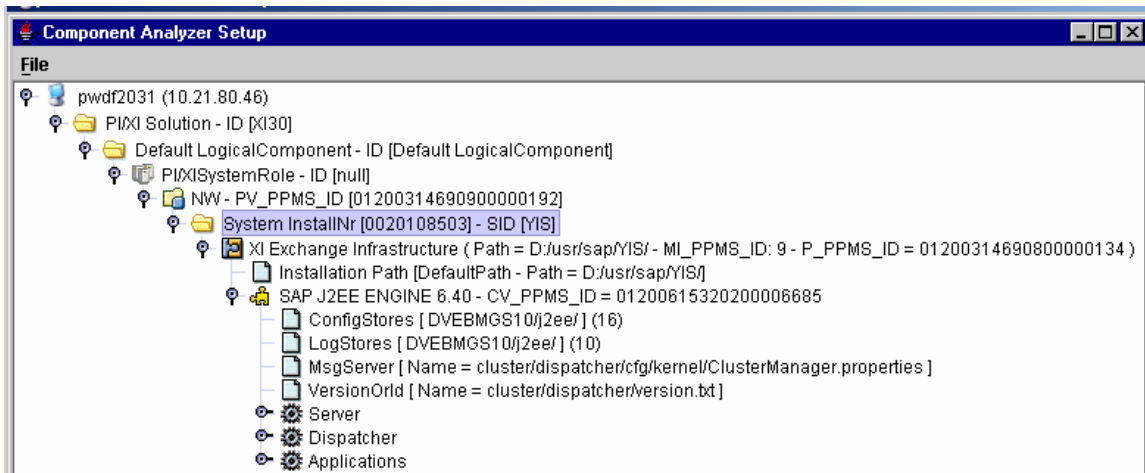
Depending of the PI/XI components installed, follow the setup steps as listed bewlow.

General PI/XI Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4. Select <i>Add Node from template</i> , choose NW	
	5. Enter SID and installation number	
	6. Select <i>Add Node from template</i> , choose XI	
	7. Edit the installation path	e.g. <code>/usr/sap/NXI/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the PI/XI scenario that is installed on the server	when completed, save the system landscape

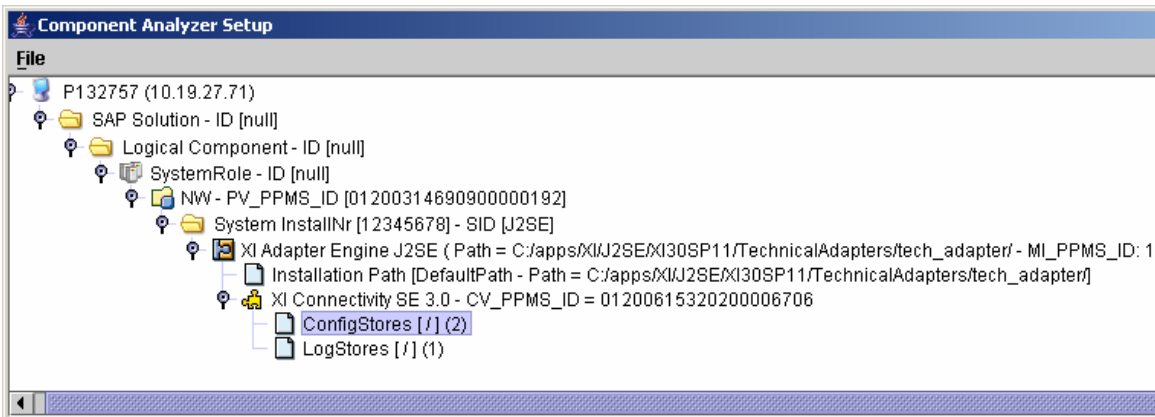
Main Instance: Process Integration (PI)

This example shows the old name in the template *XI Exchange Infrastructure* on a central (main) instance with one Java server node:



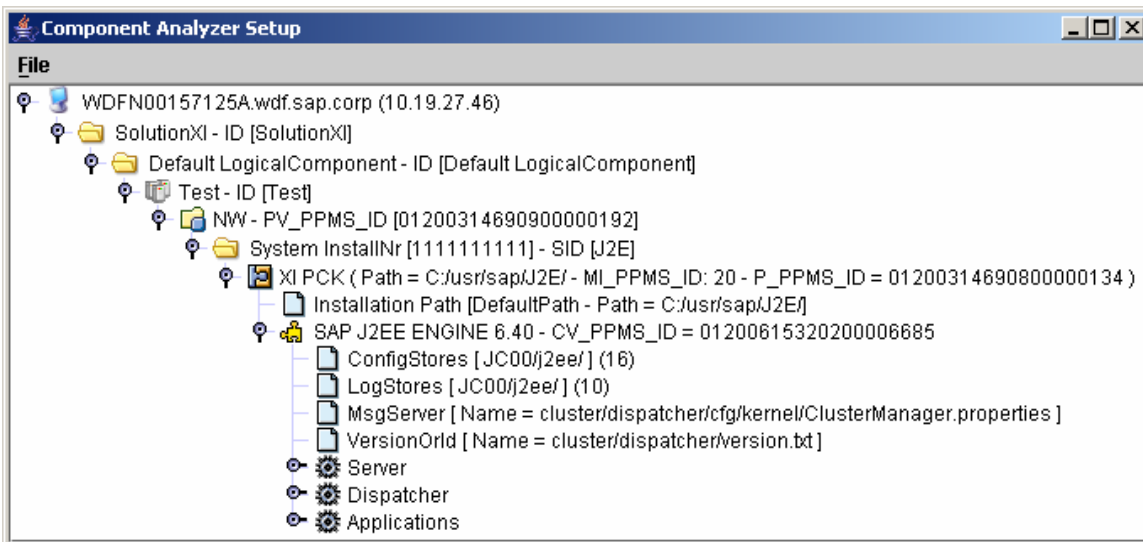
Main Instance: J2SE Adapter Engine (PI/XI)

This example shows the J2SE Adapter Engine (template: *XI Adapter Engine J2SE*). It consists only of two ConfigStores and one LogStore:



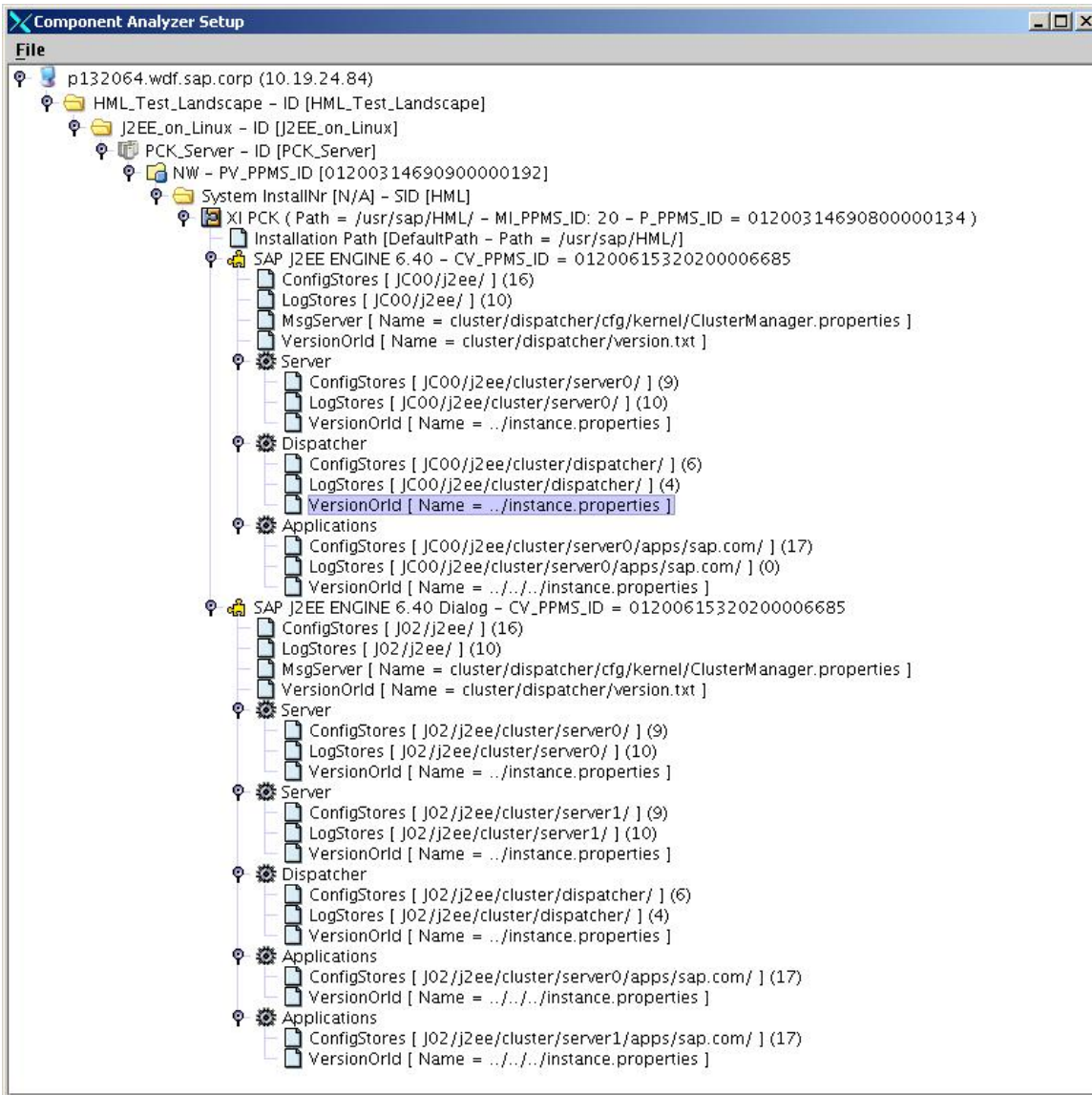
Main Instance: Partner Connectivity Kit (PI/XI) / Central J2EE Engine

This example shows the Partner Connectivity Kit (template: *XI PCK*). As it is based on a SAP J2EE Engine, the tree shows the Software Component *SAP J2EE Engine 6.40*:



Main Instance: Partner Connectivity Kit (PI/XI) / Central & Dialog J2EE Engine

This example shows again the Partner Connectivity Kit (PCK). This time the SAP J2EE Engine consist of a central and a dialog instance. Furthermore the dialog instance has a second J2EE server node installed and therefore shows second node *Applications*:



4.3.6 CA Setup for SAP CRM 4.0

This chapter is intended to give some additional information for the use of the Component Analyzer for SAP CRM 4.0.

Components of SAP CRM 4.0

Within SAP CRM 4.0 the following components (main instances) do exist:

Components (Main Instances) of SAP CRM 4.0
Broadcast Messaging Server
IC WebClient
IPC
IPC Web Applications
E-Selling
ICSS
TREX

Preparation

As a prerequisite and to make the installation as easy as possible, gather the information listed in the 3 tables below.

CCMS Installation Guide for CRM

For download, refer to *CRM Monitoring* [page 10].

✓	Action on Monitored System	Remarks
	CRM Monitoring Installation Guide on Web AS Java 6.20	for J2EE Engine 6.20
	CRM Monitoring Installation Guide on NetWeaver 04	for J2EE Engine 6.40

Please perform the steps described in the chapter 3 and 4 of those guides for the J2EE Engine(s) and the selected components.

For each of the selected components, their path is defined by three elements:

- general component that contains information like drive name and main directory
- ConfigStore that directs towards the component
- ConfigStore taht points to a single file or a number of files

It is recommended to check the location of the components before starting the setup.

Setup Scenarios

Depending of the CRM components installed, follow the setup steps as listed bewlow.

General CRM Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4a. Select <i>Add Node from template</i> , choose SAP CRM 4.0 on Web AS 6.20	for 6.20 based CRM only!
	4b. Select <i>Add Node from template</i> , choose SAP CRM 4.0 on Web AS 6.40	for 6.40 based CRM only!
	5. Enter SID and installation number	

Adding CRM Components

CRM Broadcast Messaging

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose CRM Broadcast Messaging	
	7. Edit the installation path	e.g. <code>/usr/sap/CM1/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape

CRM IC Webclient

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose CRM IC Webclient 4.0	
	7. Edit the installation path	e.g. <code>/usr/sap/CM2/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape

CRM IPC

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose CRM IPC	
	7. Edit the installation path	e.g. <code>/usr/sap/CM3/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape



Note: When editing the template, be aware that the first automatically chosen directory level is the one that includes the folders `/bin` and `/lib`. Make sure the path contains the required subdirectory.

Example: IPC is installed in `c:\sap\ipc40\ipc\bin`, in this case the correct path would be `c:\sap\ipc40\ipc`

IPC Web Applications

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose IPC Web Applications	
	7. Edit the installation path	e.g. <code>/usr/sap/CM4/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape

E-Selling

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose E-Selling	
	7. Edit the installation path	e.g. <code>/usr/sap/CM5/</code>
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape

Additional steps for E-Selling

Step	Description	Done
Check name	Check the names of your own web applications	
Add ConfigStores	Add the ConfigStores for your own application and insert the appropriate values	
Add ConfigStore	Add the files from the table below as ConfigStore in the newly added ConfigStores	
Repeat last 2 steps for all of your own applications		
Add LogStores	Add the LogStores and enter the same path for the component as mentioned above	
Add LogStore	Add the directory listing from the following table to the LogStore	
Insert the XCM directory	Check the XCM directory of the standard application and enter it for the sap webapps you customized	
Update the Alias of the standard applications	Insert a 'speaking' description like <code>SAP <webappdesc.></code> for the deployed standard	

	applications in the appropriate ConfigStores	
--	--	--

ConfigStores for E-Selling

Name	Type	Alias	AbsPath
root/WEB-INF/docs/version.txt	properties	CUST <webappdesc.>	
Root/WEB-INF/web.xml	XML	CUST <webappdesc.>	
Root/WEB-INF/config.xml	XML	CUST <webappdesc.>	
Root/WEB-INF/cfg/log-config.properties	txt	CUST <webappdesc.>	
Root/WEB-INF/cfg/*.xml	XML	CUST <webappdesc.>	
Root/WEB-INF/xcm/customer/modification/*.xml	XML	CUST <webappdesc.>	
<tag value found in the web.xml>/*.xml	XML	CUST <webappdesc.>	Y

LogStores for E-Selling

Name
root/WEB-INF/logs/*.log



Note: If standard paths were modified, adjust the values (here we have listed the standard paths) accordingly!

CRM ICSS

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose CRM ICSS	
	7. Edit the installation path	e.g. /usr/sap/CM6/
	8. Choose <i>Search Components...</i> for automatic search of installed software	
	9. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape

Additional steps for ICSS

Step	Description	Done
Check name	Check the names of your own web applications	
Add ConfigStores	Add the ConfigStores for your own application and insert the appropriate values	
Add ConfigStore	Add the files from the table below as ConfigStore	

	in the newly added ConfigStores	
Repeat last 2 steps for all your own applications		
Add LogStores	Add the LogStores and enter the same path for the component as mentioned above	
Add LogStore	Add the directory listing from the following table to the LogStore	
Insert the XCM directory	Check the XCM directory of the standard application and enter it for the sap webapps you customized	

ConfigStores for ICSS

Name	Type	Alias	AbsPath
root/WEB-INF/docs/version.txt	properties	CUST <webappdesc.>	
Root/WEB-INF/web.xml	XML	CUST <webappdesc.>	
Root/WEB-INF/config.xml	XML	CUST <webappdesc.>	
Root/WEB-INF/cfg/log-config.properties	txt	CUST <webappdesc.>	
Root/WEB-INF/cfg/*.xml	XML	CUST <webappdesc.>	
Root/WEB-INF/xcm/customer/modification/*.xml	XML	CUST <webappdesc.>	
<tag value found in the web.xml>/*.xml	XML	CUST <webappdesc.>	Y

LogStores for ICSS

Name
root/WEB-INF/logs/*.log



Note: If standard paths were modified, adjust the values (here we have listed the standard paths) accordingly!

Additional Tasks for E-Selling and ICSS

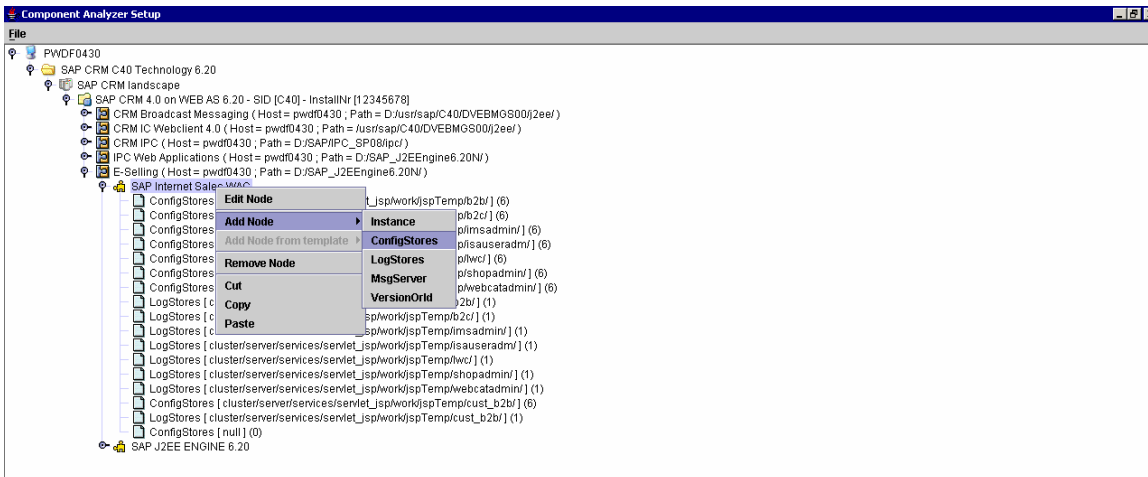
In this area the setup is more complex and requires additional work. After searching for the components, additional work has to be done. Before you continue, please check within your landscape, under which name you have installed your productive applications.

For this **b2b** installation example, we will admit that installation followed SAP standards and you have a SAP standard application installed as *b2b* and a modified application installed in *cust_b2b*. These are no mandatory names, just a recommended naming convention.

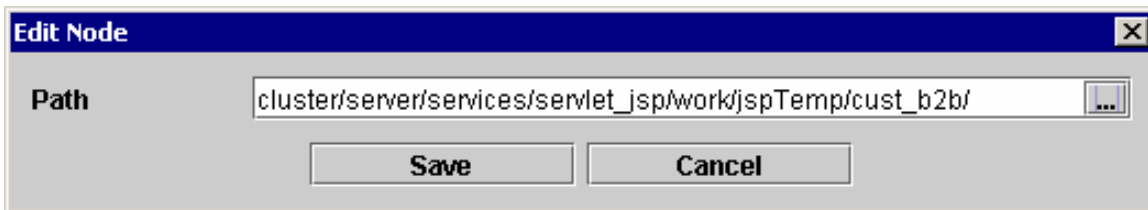


Note: For **b2c** and **icss** the same procedure can be executed.
The definition of standard aliases is not necessary for icss applications

The standard template just contains the b2b application directory. This makes it necessary to add customer defined ConfigStores and LogStores. Therefore, right-click line *SAP Internet Sales WAC*, and select *Add Node → ConfigStores*:

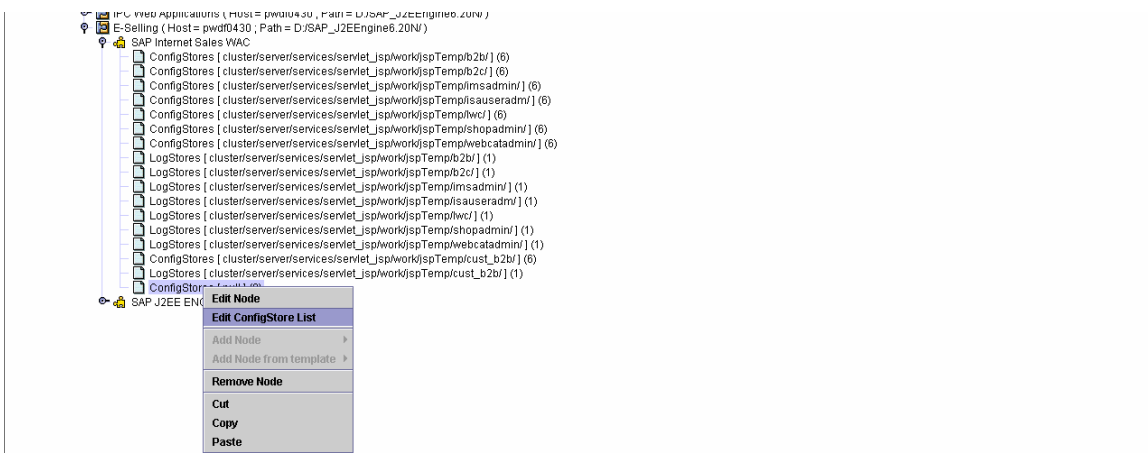


Mark the new *ConfigStores* entry, right-click and select *Edit Node*:

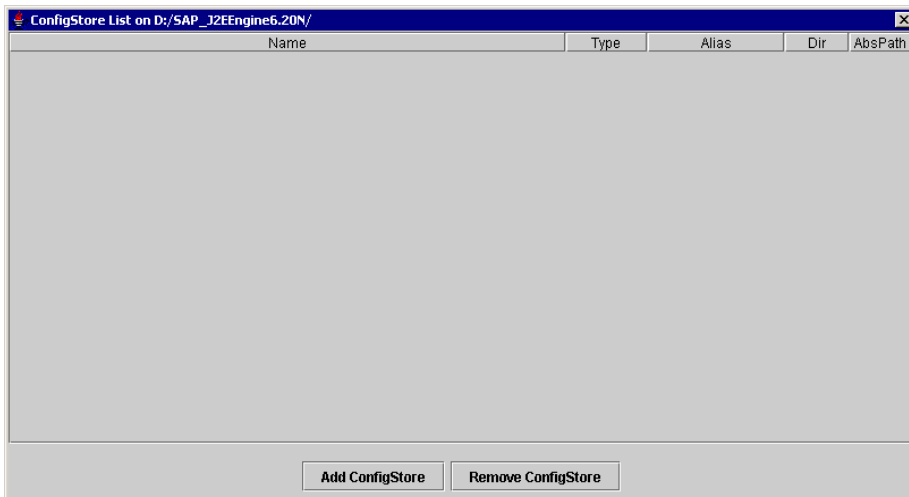


Add the relative path to your application in the selection box and choose pushbutton *Save*.

Mark the new *ConfigStores* entry, right-click and select *Edit Config Store List*.



A new pop-up window appears:



Choose pushbutton *Add ConfigStore*. A new line appears:



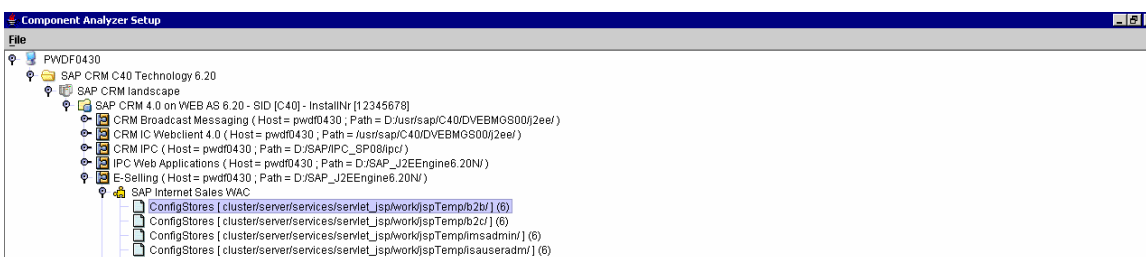
Double-click in the *Name* field of the line and enter the following values:

Name	Type	Alias
root/WEB-INF/docs/version.txt	properties	CUST B2B
Root/WEB-INF/web.xml	XML	CUST B2B
Root/WEB-INF/config.xml	XML	CUST B2B
Root/WEB-INF/cfg/log-config.properties	txt	CUST B2B
Root/WEB-INF/cfg/*.xml	XML	CUST B2B
Root/WEB-INF/xcm/customer/modification/*.xml	XML	CUST B2B

In addition, you have to find out the XCM directory of your installation. This can be found within *web.xml* in the tag *customer.config.path.xcm.config.isa.sapmarkets.com*:

Name	Type	Alias	AbsPath
<tag value found in the web.xml>/*.xml	XML	CUST B2B	Y

After this has been done, please go to the *b2b ConfigStores* line, right-click and select *Edit ConfigStores List*. Add in all lines *SAP B2B* (only recommended value) as Alias. In addition, add the XCM for this b2b application:



Next, again right-click on *SAP Internet Sales WAC*, and select *Add Node* → *LogStores*

Select the new line, right-click and select *Edit Node*. Enter the same path as for the *ConfigStores*.

Afterwards, right-click again and select *Edit LogStore List*.

Click the *Add LogStore* pushbutton. As name, please add:

Name
root/WEB-INF/logs/*.log

TREX

✓	Action on Monitored System	Remarks
	6. Select <i>Add Node from template</i> , choose TREX	
	7. Edit the installation path	e.g. /usr/sap/TREX/
	8. Make sure that found components correspond to the CRM scenario that is installed on the server	when completed, save the system landscape

4.3.7 CA Setup for SAP xMII 11.5

This chapter is intended to give some additional information for the use of the Component Analyzer for SAP xMII 11.5

Preparation

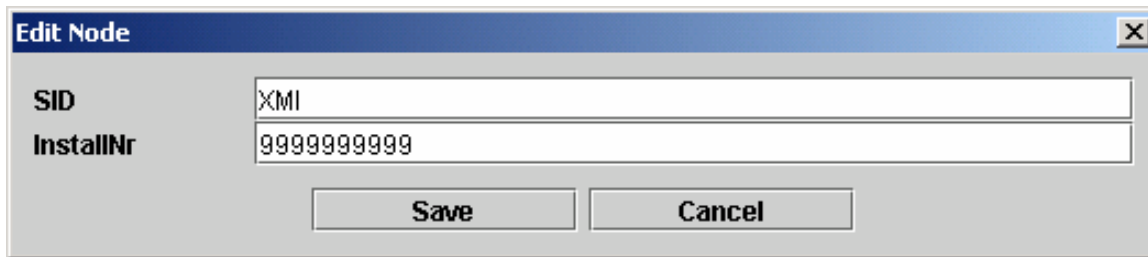
Open **SAP Note 903825** and download the attached file `cca.template.xml.640` to the location of the Component Analyzer. Refer to [Installation Directory](#) [see page 11] for the location of CA.

xMII 11.5 Setup Matrix

✓	Action on Monitored System	Remarks
	1. Start CA user interface on OS level with <code>GATHER SETUP</code>	
	2. Add/edit the solution with appropriate values	
	3. Add/edit a landscape (<i>SystemRole</i>)	
	4. Select <i>Add Node from template</i> , choose xMII 11.5	

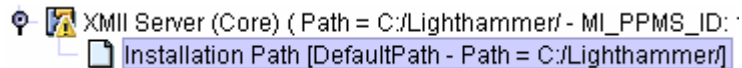
Adding xMII Components

Open the newly added node and mark the *System* sub node. Right-click and choose *Edit Node*. If you have connected xMII to an SAP Web Application server system it is recommended to add the SID and installation number of the connected WAS – otherwise enter **XMI** as SID and **9999999999** as installation number:

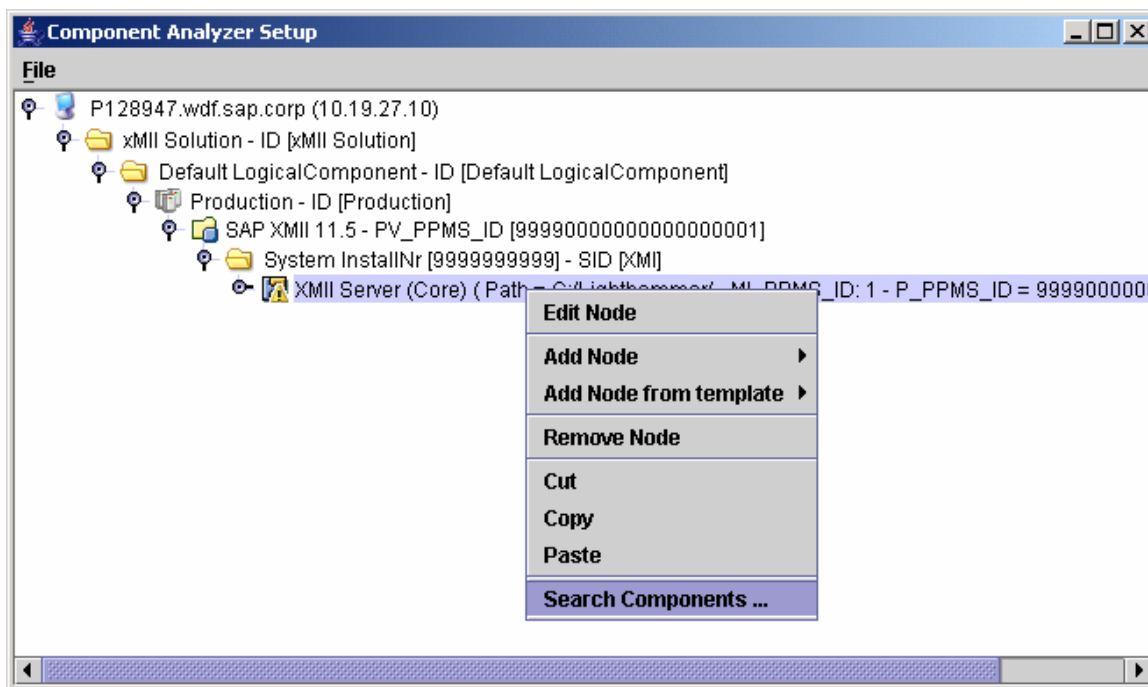


Mark the last node (named *System*) and via Right-click choose *Add Node from template*. Choose the template *XMII Server (Core)*. The default installation path for the XMII Server component is set to `c:/Lighthammer`.

If this cannot be found a yellow explanation mark is shown for the XMII Server component and you have to adjust it via *Edit Node* on the *Installation Path* sub node.



If the installation path can be found the explanation mark disappears and you can automatically add subsequent components: mark the *XMII Server (Core)* node, right-click and select *Search Components...* :

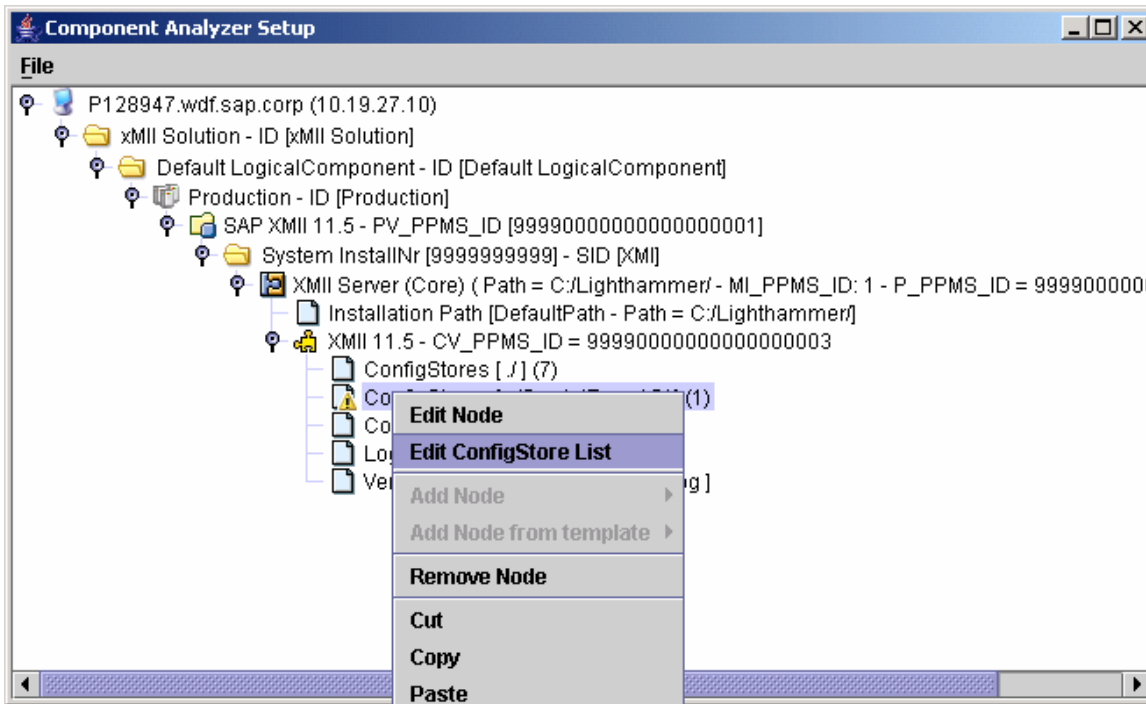


This will add the sub node *XMII 11.5* with several sub nodes. There are also directory locations added for the New Atlanta Servlet Exec and the Microsoft Internet Information Server components. By default these are set as relative paths to the XMII installation directory. If they were installed on a different directory the corresponding *ConfigStores* sub nodes will show the yellow exclamation mark. Only in that case you have to adjust the directories as described in [Update directories for Servlet Exec or IIS](#) [page 37].

Update directories for Servlet Exec or IIS

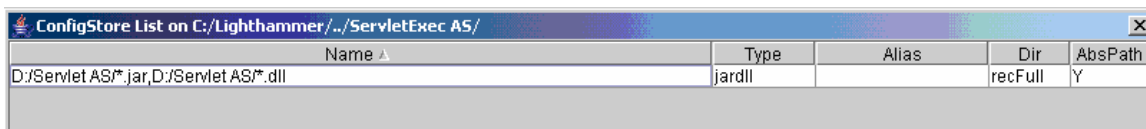
Skip this chapter if you have no yellow exclamation marks in *ConfigStores* nodes.

Mark the *ConfigStores* node showing the exclamation mark. Right-click and choose *Edit ConfigStore List*.



Within the popup you find a comma separated list of relative file paths (e.g. *.jar, *.dll). For each entry in this list the absolute path to the related component (Servlet Exec or IIS) has to be added. The Servlet Exec component is usually installed under a directory named *ServletExec AS* while the IIS is usually installed under a directory named *Inetpub*.

Additionally you have to change the attribute *AbsPath* to *Y* (by clicking on the empty field under the *AbsPath* column and selecting *Y*). The following example shows what to enter if Servlet Exec was installed on drive *D:* while XMII was installed on a different drive.



Then exit the popup via the window close button. The data will be automatically updated in the tree.

Finish Component Analyzer setup

If no more exclamation marks remain in the complete solution tree you have to save the new configuration via the menu *File* → *Save SystemLandscape Files*.

Exit Component Analyzer setup via *File* → *Exit*.

4.4 Installation of CA for Non-SAP Software Solutions

The following sections contain general information for installation & setup of CA on software solutions provided by other vendors than SAP.

4.4.1 Generic Setup



Note: For non-SAP software solutions, the Component Analyzer configuration files `cca_systemlandscape.xml` & `cca_files.xml` have to be modified *before* running `gather setup`.

cca_systemlandscape.xml

This XML file contains basic information about the software system, its components etc.

The following tags have to be filled with valid information:

Tag Name	Description	Example
<Solution Name>	name of your solution	<i>Apache</i>
<System Role>	name of your landscape	<i>Test</i>
<Product Version>	name of the product	<i>Apache Web server</i>
<Main Instance>	name of the main – or the only – instance	<i>Apache</i>
<Component Name>	name of each software component	<i>Webserver</i>
<ConfigStores Path>	configuration path related to Main Instance Path	<i>Apache2/conf</i>
<LogStores Path>	log file path related to Main Instance Path	<i>Apache2/logs</i>

See [5.1.2 cca_systemlandscape.xml](#) for a configuration example based on the Apache2 web server.

cca_files.xml

This XML file contains detailed information about the configuration and log files of the software system.

The following tags have to be filled with valid information:

Tag Name	Description	Example
<Product Version>	name of the product	<i>Apache Web server</i>
<Main Instance Name>	name of the main – or the only – instance	<i>Apache</i>
<Component Name>	name of each software component	<i>Webserver</i>
<ConfigStore Name>	file name of each configuration file	<i>httpd.conf</i>
<ConfigStores Path>	configuration path related to Main Instance Path	<i>Apache2/conf</i>
<LogStore Name>:	path name of each LogStore	<i>log</i>

See [5.1.3 cca_files.xml](#) for a configuration example based on the Apache2 web server.

5 Additional Information

5.1 Example Files

5.1.1 support.xml of a SAP NetWeaver 04 Portal

```
<?xml version="1.0" encoding="iso-8859-1"?>
<Installation_Support>
  <MainInstance localdir="C:\usr\sap\P45" name="Enterprise Portal" product="NW"
release="04SR1">
    <GlobalDir>C:\usr\sap\P45</GlobalDir>
    <Host>WDFD80079588A.wdf.sap.corp</Host>
  </MainInstance>
</Installation_Support>
```

5.1.2 cca_systemlandscape.xml (Example for Apache2 Web Server)

```
<?xml version="1.0" encoding="UTF-8"?>
<Solution Name="Apache">
  <SystemLandscape Name="Test">
    <Product Name="Apache Web server" SID="APA" InstallNr="47110815">
      <MainInstance Name="Apache" Host="P135635.wdf.sap.corp" Path="C:/Program
files/Apache group/">
        <Component Name="Webserver">
          <ConfigStores Path="Apache2/conf/" />
          <LogStores Path="Apache2/logs/" />
        </Component>
      </MainInstance>
    </Product>
  </SystemLandscape>
</Solution>
```

5.1.3 cca_files.xml (Example for Apache2 Web Server)

```
<?xml version="1.0" encoding="UTF-8"?>
<FileList>
  <Product Name="Apache Web server">
    <MainInstance Name="Apache">
      <Component Name="Webserver">
        <ConfigStore Name="httpd.conf" Type="txt" />
        <ConfigStore Name="magic" Type="txt" />
        <ConfigStore Name="mime.types" Type="txt" />
        <LogStore Name="log" Type="log" />
      </Component>
    </MainInstance>
  </Product>
</FileList>
```