

EE 5 Technical Product Profile

JAVA-EE-STD 7.1 and JAVA-EE-ADV 7.1

Third-Party Software Product Certification

based on the

SAP NetWeaver Composition Environment (CE) 7.1

**SAP[®] Certified
Integration**

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Vendor Data

Vendor Name (SAP internal):	<ICC enter CRM ISV name>
Vendor Number (SAP internal):	<ICC enter CRM ISV number>
Vendor Product Name:	<ISV product name>
Vendor Product Release:	<ISV product release>
Vendor Product Number (SAP internal):	<ICC enter CRM ISV product number>
Vendor Interface Name:	<ISV interface name>
Vendor Interface Release:	<ISV interface release>
Date:	Month Day, Year

SAMPLE

Please answer the following questions in the column to the right before you start.

<p>Please let us know in the column to the right, why you want to have your J2EE / EE 5 product certified?</p> <p>Keep in mind and also address the following things in your answer:</p> <p>What you as an ISV expect to gain from having your product certified?</p> <p>What are your customer's expectations in regards to why you should have your product certified?</p> <p>Do your expectations and those of your customers match, don't match, doesn't matter etc?</p>	<p>I/want to certifybecause....etc.</p>
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EE 5 Technical Product Profile. Why is it needed ?

The purpose of this document is to get an overview of your technical system and your EE 5 product and software component(s). Please fill in all information properly, in order to speed up your certification work. This document will be used by your designated integration consultant before and during the certification. The document below is divided into two sections called

- 1) **EE 5 Technical System Information** – contains information about your hardware and software (operating system, database, SAP EE 5 server, SAP NetWeaver Developer Studio, SAP licensing etc.)
- 2) **EE 5 Product Information** – contains information about the following:
 - a) your EE 5 application (EE 5 specification adherence/conformance)
 - b) EE 5 SAP JVM
 - c) description of your EE 5 application components (product and software, such as JAR and WAR files)
 - d) descriptor files if needed
 - e) configuration needed within the SAP EE 5 environment for your EE 5 application to work
 - f) EAR file name and description
 - g) whether or not your application supports clustering, failover, load balancing etc.

As of SAP NetWeaver CE 7.1, at least one SAP NetWeaver development license will be mandatory in order to go through the certification process. We will check if you have a valid SAP license before we start the certification process.

Having the proper SAP supported development environment installed before, during, and after successful certification enables you to support your product running on the SAP NetWeaver CE 7.1 platform and also entitles you to have access to SAP support.

SAP Support can be used to resolve technical issues encountered within SAP software or to obtain newer SAP support package stacks as they become available. For example, when you purchase a SAP NetWeaver development license, you will:

- 1) Have access to the SAP support portal on the [SAP Service Marketplace](#). For example, in the SAP Support Portal, SAP customers can obtain their software via download, and also have access to other important information related to SAP software.
- 2) Request a [development name space](#) for your Java development.
- 3) Have access to valuable information regarding [SAP SLD](#) (SAP System Landscape Directory).
- 4) Have access to SAP supported software covered under your license agreement.
- 5) Have access to SAP support packages as they become available.
- 6) Have access to SAP notes (they help you to analyze and solve technical problems).
- 7) Have the capability to open up a trouble ticket and submit it to SAP support in order to resolve SAP errors.
- 8) Have access to information regarding the [SAP Service- and Support Infrastructure](#).

Kindly get in touch with SAP ICC (icc@sap.com) to find out more about SAP software licensing options available to you.

EE 5 Technical System Information

License Check:

Please provide below the information in regards to your SAP development license.

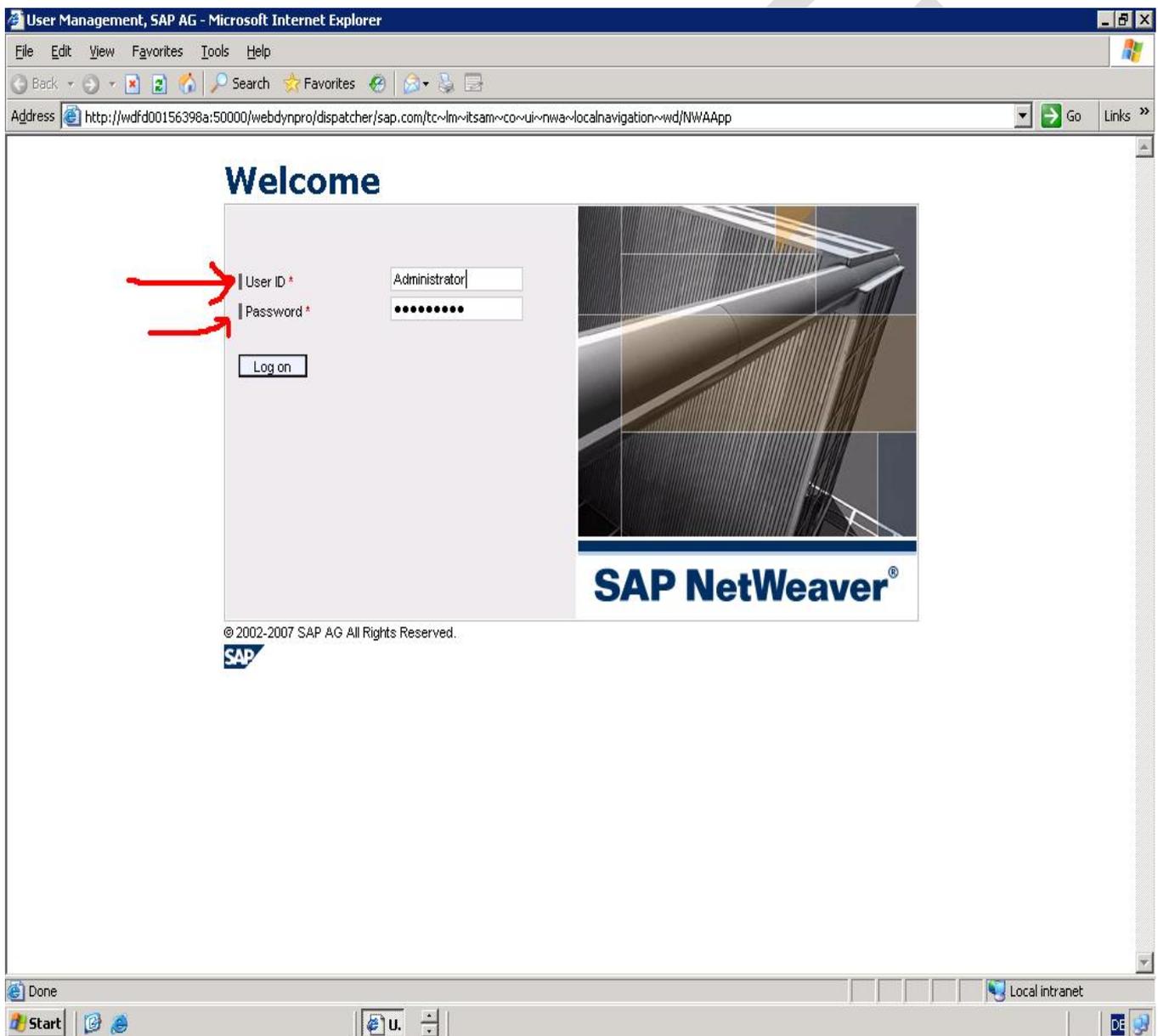
You obtain this information from the server which has your SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition installed.

First, please record in the table below your server's host name (the machine which has your **64 bit (!)** SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition installed), the operating- and database system name and version used to start the SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition, the number and name of CPU's and the amount of RAM (physical memory of the server) the server has. Also, record the SAP Installation Number according to the results of your license check.

Hostname ----->	enter data here ...
64 bit operating system name and release -->	enter data here ...
Database name and release ----->	enter data here ...
Number of CPU's ----->	enter data here ...
Name and Type of CPU ----->	enter data here ...
Amount of RAM (physical memory) ----->	enter data here ...
SAP System ID (SID) ----->	enter data here ...
SAP Installation Number----->	enter data here ... This entry is mandatory

Second, for certification purposes, and in order to determine if you have the correct license installed, you will have to use the [SAP NetWeaver Administrator \(NWA\)](#) tool in order to view and locate the license information.

1. Within your browser, enter `http://<yourservname>:port/nwa`. For example, if you have a hostname called `wdfd00156398a` and are using the default port of `50000`, then the URL syntax would be <http://wdfd00156398a:50000/nwa>. On the Welcome page as depicted below, enter a User ID and Password. Normally, the User ID is “Administrator” and the Password is the master password which you supplied during the SAP NetWeaver CE 7.1 installation.



2. Select Configuration Management and then the Infrastructure tab as depicted below.

The screenshot displays the SAP NetWeaver Administrator web application running in Microsoft Internet Explorer. The browser's address bar shows the URL: `http://wdfid00156398a:50000/webdynpro/dispatcher/sap.com/tc~lm~itsam~co~ui~nwa~localnavigation~wd/NWAApp`. The application's main navigation bar includes tabs for "Operation Management", "Configuration Management" (highlighted with a red circle), "Availability and Performance Management", "Problem Management", and "SOA Management". Below this, a secondary navigation bar shows "Security" (selected), "Infrastructure" (highlighted with a red underline), and "Scenarios". The "Security" section is expanded, showing several sub-sections with icons and brief descriptions:

- Authentication**: The Application Server Java implements the Java Authentication and Authorization Service (JAAS) standard to support various authentication methods. This enables you to choose the required authentication mechanisms for your applications.
- Identity Management**: The User Management Engine (UME) provides a centralized user management for all Java applications and can be configured to work with user management data from multiple data sources. It is seamlessly integrated in the Application Server Java of the SAP NetWeaver Application Server for Java (AS for Java) as its default user store and can be administrated using the administration tools of the AS Java.
- SPNEGO Configuration**: Step-by-step wizard for configuring HTTP-Based Cross-Platform Authentication via the Simple and Protected Negotiation Protocol (SPNEGO)
- Virus Scan Provider**: You can use the virus scan interface to include external virus scanners in the SAP system to increase the security of your system. This means that you can use a high-performance integration solution to scan files or documents that are processed by applications for viruses. This applies both for applications delivered by SAP and for customer developments, for example, during data transfers across networks or when documents are exchanged using interfaces.
- Destinations**: Applications or services can establish connections to other services. When using such connections, you need to specify the remote service's address and the user authentication information to use for the connection. Many applications use the Destination service for this purpose.
- Certificates and Keys**: Use the Key Storage service to maintain the server's personal security information where cryptography is supported, for example, when using the SSL protocol. You can create the server's key pairs, generate the corresponding certificate signing requests, and maintain the list of trusted Certification Authorities (CAs) associated with the key pair. The Certificate Revocation Check service can verify that a certificate is not contained in a Certificate Revocation List (CRL).
- Trusted Systems**: You can use the trusted systems configuration in order to maintain the relationship between issuing and accepting systems.

The browser's status bar at the bottom shows "Done" and "Local intranet". The Windows taskbar at the very bottom includes the Start button, a taskbar with icons for Internet Explorer and SAP NetWeaver Administrator, and system tray icons for network and volume.

3. Select on the Infrastructure page Licenses as depicted below.

The screenshot shows the SAP NetWeaver Administrator interface in Microsoft Internet Explorer. The browser's address bar displays the URL: `http://wdf00156398a:50000/webdynpro/dispatcher/sap.com/tc~lm~itsam~co~ui~nwa~localnavigation~wd/NWAApp`. The page title is "SAP NetWeaver Administrator - Microsoft Internet Explorer".

The interface features a navigation menu with tabs for "Operation Management", "Configuration Management", "Availability and Performance Management", "Problem Management", and "SOA Management". Below this, there are sub-tabs for "Security", "Infrastructure", and "Scenarios". The "Infrastructure" tab is selected and highlighted with a red circle.

The main content area displays a list of infrastructure services, each with an icon and a brief description:

- Adobe Document Services**: The Configuration service enables you to register the Adobe Reader Rights credential that is needed to assign usage rights to PDF documents. If you require additional document security such as certification or digital signatures, you can configure further credentials. In this case you also have to install Trusted Anchors to enable the server to verify the document certification or digital signature, and Certificate Revocation Lists for identifying credentials that can no longer be trusted. The License service keeps track of all unlicensed interactive form designs in your system, until you register the license for Interactive Forms by Adobe.
- Application Resources**: The Application Resources plug-in provides functionality to create, manage and delete external resources such as JDBC drivers, JDBC data sources, resource adapters, connection factories and others. The administrator can view all resources or choose a specific resource type and select a resource from the resources list. He can view its details and the details of all antecedent and dependent resources.
- Destinations**: Applications or services can establish connections to other services. When using such connections, you need to specify the remote service's address and the user authentication information to use for the connection. Many applications use the Destination service for this purpose.
- Java Class Loader Viewer**: You can use the Java Class Loader Viewer to view the information the Application Server Java provides about the class loaders currently available and to diagnose problems on a technical level. For each Class Loader the viewer displays: name, parent, referees, references and resources (JAR files, directories with class files and resources, and so on). You can search for a specific class loader based on its component type (application, common, interface, library, service) or using part of its name.
- JMS Server Configuration**: Configure the JMS server.
- Log Configuration**: The Log Configuration plug-in provides functionality for inspecting the log configuration.
- Application Modules**: This is a solution that contains details of the deployed applications as well as several types of modules (e.g. -Web and EJB modules) where configuration settings can be viewed and altered.
- Java Configuration Browser**: Such a browser offers a detailed view of the configuration settings on the selected Java systems with all the property sheets and source files. This is an informative view only. To change the configuration of a system use the configuration editor view of the local configuration tool.
- Java HTTP Provider Configuration**: Virtual Host can act as several different Web servers responding to different URLs, but referring only to a single real IP address. A user can gain flexibility by providing different configuration settings for each of the virtual hosts that can be both created and configured. Logon load balancing increases the efficiency of various workgroups. To improve performance and system resource consumption users are distributed across available application servers based on the requirements of workgroup service and load sensitivity.
- Jco RFC Provider**: The JCo RFC Provider Service processes ABAP to Java requests, and dispatches the calls to Java applications. So, seen from an ABAP system, it provides an RFC destination. Technically, the service is based on the JCo (SAP Java Connector). In order to receive calls from ABAP, JCo Servers are started and registered at the gateways of the ABAP systems. The configuration of these JCo servers is done here.
- Licenses**: Manage licenses installed on the system. (This link is circled in red in the screenshot.)
- Message Server**: The Message Server plug-in provides functionality for inspecting the Message Server parameters and settings.
- Session Management**

The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the date and time (12:00 PM, 11/11/2009) and network status (Local intranet).

4. The results (Licenses: Java Licenses) by selecting Licenses as described in number 3 above should then look something like the figure depicted below. **COPY YOUR LICENSE INFORMATION IN SCREENSHOT FORMAT INTO NUMBER 5 BELOW.**

Licenses: Java Licenses

System Parameters

Change System Type

System Number: *** not yet assigned *** Installation Number: *** not yet assigned ***

System Type: N/A Active Hardware Key: M0658775844

Available Licenses

Install from File Extend with Temporary License Delete License Request from SAP

License Status	License Type	Start Date	Expiration Date	Hardware Key	Software Product	System ID
valid	Temporary	04/Oct/2007	02/Jan/2008	M0658775844	J2EE-Engine_ADA	EE5

Full License Details

License Status: valid Software Product: J2EE-Engine_ADA

License Type: Temporary Software Product Limit: Unlimited

Start Date: 04/Oct/2007 System ID: EE5

Expiration Date: 02/Jan/2008 System Number: 000000000000000000

Hardware Key: M0658775844 Installation Number: 0000000000

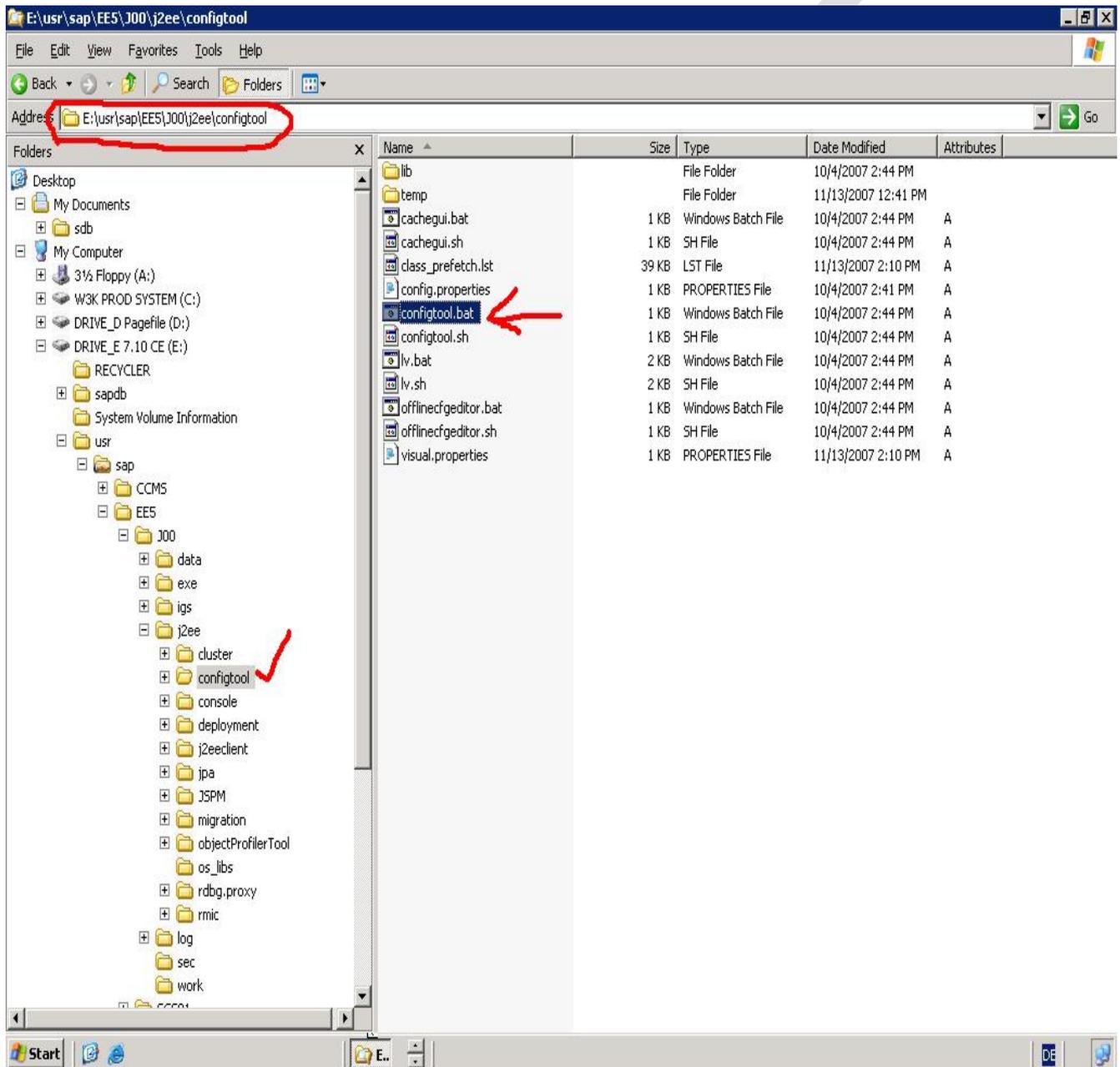
5. Copy your license information below as explained in number 4 above.

SAMPLE

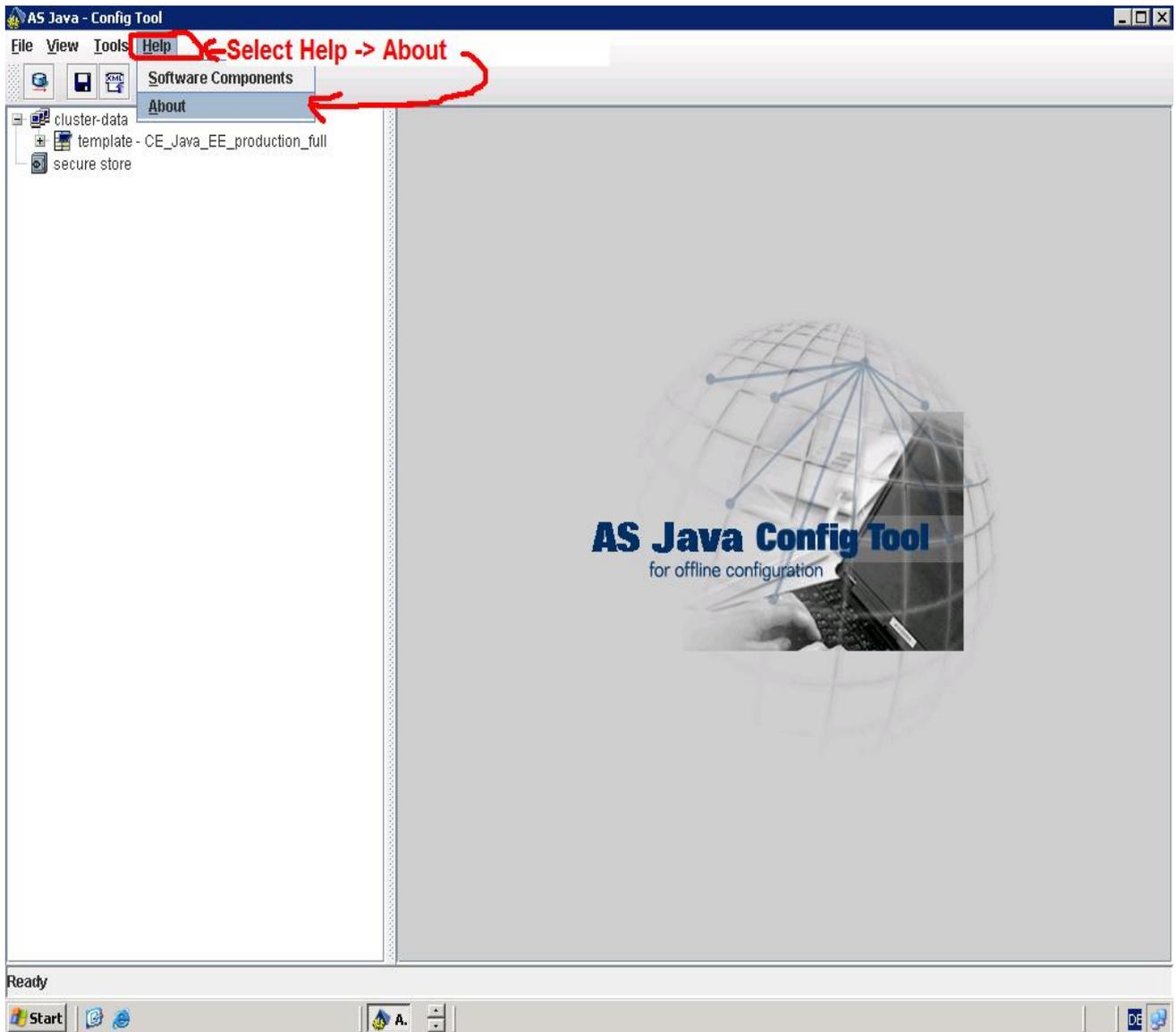
System Information Check:

Please provide information below in regards to your installed SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition. **Remember, SAP support package 3 (SP3) or higher is needed in order to certify your product.**

You obtain this information using the **config tool** (filename is configtool.bat when SAP NetWeaver CE 7.1 is installed on a Windows 64 bit operating system). For example, in the figure depicted below, the config tool is located under the folder E:\usr\sap\EE5\J00\j2ee\configtool.



Next is the “Help -> About” dialog:



In the About dialog select the tab “Software components” to gain the information about the Service level:

Select Software components

Select J2EE-FRMW and then select Details

The Service Level is what we are looking for.

SCA Name	Counter
BASETABLES	1000.7.10.3.0.20070928031100
BI-WDALV	1000.7.10.3.0.20070917090449
CE-RA-EDM	1000.7.10.3.0.20070917090553
CFG_ZA_CE	1000.7.10.3.0.20070928031100
CORE-TOOLS	1000.7.10.3.0.20070928031100
DI_CLIENTS	1000.7.10.3.0.20070928051700
ENGFACADE	1000.7.10.3.0.20070928024200
ENGINEAPI	1000.7.10.3.0.20070928031100
EP-BASIS-API	1000.7.10.3.0.20070928051700
ESI-UI	1000.7.10.3.0.20070917121045
ESP_FRAMEWORK	1000.7.10.3.0.20070928051700
ESREG-SERVICES	1000.7.10.3.0.20070928051700
FRAMEWORK	1000.7.10.3.0.20070928051700
J2EE-APPS	1000.7.10.3.0.20070928031100
J2EE-FRMW	1000.7.10.3.0.20070928031100
JSPM	1000.7.10.3
LM-CORE	1000.7.10.3
LMCFG	1000.7.10.3
LMCTC	1000.7.10.3
LMINTERNALAGENT	1000.7.10.3
LMNWABASICAPPS	1000.7.10.3
LMNWABASICCOMP	1000.7.10.3
LMNWABASICMBEAN	1000.7.10.3
LMNWACDP	1000.7.10.3
LMNWUIFRMRK	1000.7.10.3

SCA Details

- Name: J2EE-FRMW
- Vendor: sap.com
- Component Type: SC
- Subsystem: NO_SUBSYS
- Location: SAP AG
- Counter: 1000.7.10.3.0.20070928031100
- SC Vendor: sap.com
- SC Name: J2EE-FRMW
- Release: 7.10
- Service Level: 3**
- Patch Level: 0
- Delta Version: F
- Update Version: core710VRcurU280907

EE 5 Product Information

Please provide information below in regards to your J2EE / EE 5 application.

In the left hand column you are asked a question which you must answer in English in the right hand column.

Questions	Enter Your Answer Below
<p>1. J2EE Specification Does your product adhere to the J2EE 1.4 or Java EE 5 specification? Please don't confuse this with the version of the JDKs available (Java Development Kits, Java Virtual Machines etc.).</p> <p>Starting with SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition, the SAP EE 5 Application Server Java is J2EE 1.4 and EE 5 compliant. If you are not familiar with J2EE / EE 5 specifications, then please check: http://java.sun.com/javaee/reference/.</p>	Please select here ...
<p>2. SAP JVM Does your product support the SAP JVM (Java Virtual Machine)? Please note, only the SAP JVM is supported during certification !</p>	Please select here ...
<p>3. J2EE/EE5 application server If you have an existing J2EE / EE 5 application, on which J2EE / EE 5 application server(s) does it run on?</p> <p>What J2EE specification does your existing application adhere to when it is either running on a J2EE SAP application server or on another J2EE / EE 5 application servers?</p> <p>What Java SDK does your application support when it is running on another J2EE / EE 5 application server? Please note, only the SAP JVM is supported during certification!</p> <p>You may also want to check the free Migration Plug-in for SAP NetWeaver Composition Environment 7.1 in case you need to migrate an existing J2EE or EE 5 application to our platform.</p>	Write your comments below
<p>4. Architectural data Provide us with a list of all supported machine architectures, operating systems and databases (names and versions/releases are appreciated) for your (!) product.</p>	Write your comments below

<p>5. SCA/EAR file name</p> <p>What is the name and size of your J2EE or EE 5 application (SCA/EAR file name)?</p> <p>What are the name(s) and size(s) of the WAR and/or JAR archive(s) which are used by your J2EE application / EE 5 (EAR file)?</p> <p>You will need to pack your EAR file into a SDA file (if not already available) and then pack your SDA file into a SCA file (if not already available). Do you know how to do this and why?</p> <p>Please note: You must deploy your application in the SCA file format due to SAP support requirements. Thus, you will deploy your application as either in the EAR / SDA file format and you must also deploy your application in the SCA file format.</p>	<p>Examples: myfavorite.ear file 40 MB, myfavorite.war 25 MB and / or myfavorite.jar 15 MB file</p>
<p>6. SAP tools</p> <p>Are you familiar with the following tools:</p> <ul style="list-style-type: none"> • SAP Java EE 5 Development Tools • Enhanced SAP Java EE 5 Development Tools • Tasks you might need to perform throughout the typical development cycle of your Java EE application(s)? 	<p>Please select here ...</p>
<p>7. Configuration</p> <p>Please describe what needs to be configured within the SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition via the Config Tool, SAP NetWeaver Administrator, Initial System Configuration, SAP NetWeaver Developer Studio etc, in order for your J2EE / EE 5 application to work?</p>	<p>(For example, need to define a JDBC data source, need to load and deploy some libraries first in order to make them available for your J2EE / EE 5 application etc.)</p>
<p>8. Third party software</p> <p>Does your J2EE / EE 5 application make use of any other third-party software products/tools in order for your application to work properly?</p> <p>If yes, please list the name(s), version(s)/release(s) etc.</p> <p>For example, your J2EE / EE 5 application, when it is deployed and started, makes use of a third-party product called xyz with release 1.0 which you obtained from company xyz. You successfully passed JAVA-EE-STD 7.1 or JAVA-EE-ADV 7.1 certification. Five months later, company xyz brings out a new release for the product called xyz, for example 1.5, which includes a lot of new functionality.</p> <p>You elect / need to use the third party product xyz with the new release 1.5 in order for your certified product to work. If this is the case, then you would need to recertify your product if it makes use of the product xyz based on release 1.5 !</p>	<p>Please select here ...</p> <p>Write your comments below</p>

9. SAP Logging

Does your J2EE / EE 5 application make use of any logging mechanisms? For example, log4j or your own logging features / framework?

Please note: Your J2EE / EE 5 application has to make use of the [SAP monitoring and logging framework](#) since we will conduct error handling tests during certification, requiring your product to intentionally write log messages into the SAP monitoring and logging framework.

Your application will need to generate intentional error messages making use of the [SAP logging framework](#)., which can then be used to identify and resolve problem cases in your application at customer site.

You will need to use the [SAP NetWeaver Administrator Tool](#) to analyze the errors and resolve them.

Developing Logging-Enabled Applications is described at:
http://help.sap.com/saphelp_nwce10/helpdata/en/d2/5c830ca67fd842b2e87b0c341c64cd/content.htm

See also the [Release Notes for AS Java](#), especially
[Logging: Standalone Log Viewer \(Enhanced\)](#)
[Logging: Creating Log Controllers \(Enhanced\)](#)
[Logging: log-configuration.xml File \(Deleted\)](#)

See also in the [archive](#) you extracted within the folder “*Other SAP Documents*” the file called **SAP_Logging_Bridge_NW_CE_7.1.pdf**. The document describes how to integrate 3rd party Java logging frameworks into the SAP logging framework via bridging.

Please select here ...

Write your comments below

<p>10. SAP SLD and SAP Solution Manager Ready Are you familiar with the SAP SLD (System Landscape Directory), how it works in a SAP NetWeaver 7.0 environment since SAP NetWeaver CE 7.1 does not contain a SAP SLD?</p> <p>In case you do not have an existing and working SLD in your infrastructure during the time of certification, we then need a screenshot of the following information in the SAP NetWeaver Administrator tool after your SCA file has been successfully deployed: “Configuration Management” -> Infrastructure -> System Info -> Components Info -> Software Components In the “Software Components” section we must see the vendor, name, version, location of your deployed software component.</p> <p>Note: Please try to understand the purpose of the SAP SLD. We plan to handle this topic in the near future somewhat differently during the certification phase. A recertification, once SAP addresses this topic differently, might be necessary. You will be contacted in regards to what has changed, and if it has any impact on your certified solution or if anything needs to be done at the customers site once your product is used there in production</p>	<p>Please select here ...</p> <p>Write your comments below</p>
<p>11. SAP websites Are you familiar with important technical SAP web sites and what you can do or find there?</p> <p>http://service.sap.com Please describe briefly, the purpose of this site, and how it can help you? Please describe making use of a small example.</p> <p>http://help.sap.com Please describe briefly, the purpose of this site, and how it can help you? Please describe making use of a small example.</p> <p>http://www.sdn.sap.com Please describe briefly, the purpose of this site, and how it can help you? Please describe making use of a small example.</p>	<p>Please select here ...</p>

<p>12. Troubleshooting</p> <p>Do you know how to troubleshoot SAP NetWeaver CE 7.1, using AS Java Administration, using the SAP NetWeaver Administrator and Administration Tools, SAP Logging API etc?</p> <p>If you have an error which is preventing you from continuing with your integration work, you can also open up a SAP problem ticket, search for SAP notes, search for existing SAP problem tickets describing the type of error which you encountered. Just use your S-user account and if needed “Create a Customer Message” via the SAP Service Marketplace. If you remember, an S-user account is made available after purchasing a SAP NetWeaver development license.</p> <p>You can also make use of the SAP Software Developer Network (SDN) and search in the forums or add a question in a forum in regards to the problem you are having. However, it is not mandatory for anybody to answer your question in regards to the problem you are having. Utilizing the official SAP support structure via the SAP service market place “guarantees you” that someone will reply in regards to your technical problem.</p>	<p>Please select here ...</p>
<p>13. Deployment descriptors</p> <p>Even though it is now optional in native Java EE 5 technology, what XML SAP deployment descriptors do you use in order to create Enterprise Application 5 Projects?</p>	<p>If applicable, list the names of the descriptors below</p>
<p>14. JSPM tool</p> <p>Do you know the purpose of the JSPM (Java Support Package Manager) tool?</p>	<p>Please select here ...</p>
<p>15. Clustering/Failover/Load Balancing/High Availability</p> <p>For JAVA-EE-ADV 7.1 only !</p> <p>Are/is/can your J2EE / EE 5 application(s) make use of clustering, failover, load balancing, high availability?</p> <p>Important: What are your customer expectations in regards to your application supporting or not supporting clustering and/or failover and or/load balancing and/or high availability? Who should handle these tasks? SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition? Your J2EE / EE 5 application? The hardware infrastructure in place at your customer’s site etc? Other? Please explain.</p>	<p>Please select here ...</p> <p>Please explain if applicable. If it is not applicable, please mention why?</p>

<p>16. ABAP objects For JAVA-EE-ADV 7.1 only !</p> <p>Does your certifiable solution rely on any self-developed ABAP objects (e.g. function modules, reports, transactions etc.)?</p> <p>If yes, are they located in your own registered namespace?</p> <p>In any case, please give us a complete list of all your ABAP objects. We will review this internally within ICC and if there is intensive use of ABAP development, eventually recommend an ABAP add-on certification.</p>	<p>Please explain, including namespace, ABAP objects (list all ABAP objects below)</p> <p>1. 2.....</p>
<p>17. SAP WebDynpro For JAVA-EE-ADV 7.1 only !</p> <p>Do you have a SAP WebDynpro application to certify?</p>	<p>Please explain if applicable or not. Also, please include the filename, size in MB etc.</p>
<p>18. Documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have a “Technical/Component Operations Manual” for your product?</p> <p>The content of this manual should be:</p> <ul style="list-style-type: none"> - Architecture and Overview of the Technical System Landscape. - Monitoring concept for your product. - Logging and tracing concept of the product. - Description of technical configuration data - Backup and restore procedures for your product - Maintenance of periodic tasks - High availability and load balancing concept - Listing of concepts for restart and monitoring of asynchronous interfaces - Starting and stopping of the component/product release. - Set up of printer(s) for your product. - How to perform Trouble shooting for typical problem situations. <p>As a sample of what is meant please have a look at this Technical Operations Manual for SAP NetWeaver.</p>	<p>Please select here ...</p>

<p>19. Configuration data store For JAVA-EE-ADV 7.1 only !</p> <p>EE5 based components should preferably use the SAP Config Manager tool. If it is not possible for Java components to use the SAP Config Manager tool, it would be acceptable that EE5 based components provide their configuration in XML or property files (human readable format).</p> <p>Is this the case for your product?</p>	<p>Please select here ...</p>
<p>20. Backup & Recovery For JAVA-EE-ADV 7.1 only !</p> <p>Is online backup possible for your product and is there a documentation of the backup & recovery concept?</p>	<p>Please select here ...</p>
<p>21. Asynchronous interfaces For JAVA-EE-ADV 7.1 only !</p> <p>Do all asynchronous interfaces have concepts for restart, monitoring and error handling?</p> <p>An appropriate monitoring and error handling for asynchronous interfaces must include:</p> <ul style="list-style-type: none"> - Interface status. - Capabilities to consistent stop and start of interface queues. - Error list showing status and error code of each object. - Volume statistic. - Load statistic. <p>If your product uses asynchronous interfaces then the concepts for consistent restart, monitoring and error handling must be provided. The following information shall be provided by the monitor:</p> <ul style="list-style-type: none"> - Status and length of inbound and outbound queues. - Object status. - Date and time of action. - Start/Stop/Restart possibility for the queues. <p>A restart and recovery concept must guarantee data consistency in case of crash recovery (crash of sending or receiving system). If there are special procedures to be considered, they must be described in detail in the Technical Operation Manual.</p>	<p>Please select here ...</p>

<p>22. User management For JAVA-EE-ADV 7.1 only !</p> <p>Will your product provide User Management in the SAP environment?</p> <p>See also SAP User Management.</p>	<p>Please select here ...</p>
<p>23. Product user/group/roles For JAVA-EE-ADV 7.1 only !</p> <p>Does your product provide any users/groups/roles and if yes are these documented?</p>	<p>Please select here ...</p>
<p>24. Authentication methods For JAVA-EE-ADV 7.1 only !</p> <p>Will your product provide any authentication methods? If yes, please name them on the right column.</p>	<p>Please select here ...</p>
<p>25. Authentication policies For JAVA-EE-ADV 7.1 only !</p> <p>Is it possible to configure authentication policies?</p> <p>Authentication policies are something like these ones:</p> <ul style="list-style-type: none"> - minimum password length. - User locking. - Password change after first logon. - Password change. No hard-coded passwords are allowed in the product. <p>It is required to use the authentication mechanisms provided by SAP Netweaver, if your product runs on SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition.</p>	<p>Please select here ...</p>

<p>26. Authorization Mechanisms For JAVA-EE-ADV 7.1 only !</p> <p>Will your product limit authorizations of business and technical users for both administration and productive use to the business related minimum?</p> <p>The product must provide the capability to separate the authorizations (roles) for different types of users (e.g. administrative and non-administrative users). Users must have the permissions that are required for their work (segregation of duties).</p> <p>The authorization concept must be documented (e.g. documented and delivered roles per business and technical user).</p> <ul style="list-style-type: none"> - Authorizations/roles have to be provided for the technical users like batch users, workflow users, communication users, Web service users. - All the external callable services of your product running on SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition have to be controlled by access controls (e.g. authority-checks). - Search results may contain sensitive data and thus have to be displayed based on the access permissions. - Your product must use or set the minimal necessary privileges on operating system and on file system level. - It is required to use the authorization management of SAP NetWeaver, if the product release is running on SAP NetWeaver CE 7.1 Application Server Java™ EE 5 Edition. 	<p>Please select here ...</p>
<p>27. Auditing For JAVA-EE-ADV 7.1 only !</p> <p>Is it possible to log and archive data which is relevant for system audits (e.g. failed login attempts, start of critical transactions, changes to user data and authorizations, changes to configuration, etc.)?</p>	<p>Please select here ...</p>
<p>28. User information security For JAVA-EE-ADV 7.1 only !</p> <p>Is the user information / data stored securely? For example, no transmission of clear text passwords. They must not be written to configuration files, logs, protocols, or traces or displayed.</p> <p>Authentication information should not be permanently stored on an end-user client.</p> <p>If yes, please describe on the right how you did reach this.</p>	<p>Please select here ...</p>

<p>29. Secure communication For JAVA-EE-ADV 7.1 only !</p> <p>Can all used communication channels of your product be encrypted?</p>	<p>Please select here ...</p> <p>If yes describe how and if not why not.</p>
<p>30. Vulnerability prevention For JAVA-EE-ADV 7.1 only !</p> <p>Does your product prevent typical vulnerabilities such as cross-site scripting, path traversal, SQL injection, execution of commands that include not-validated user input, and buffer overflow?</p> <p>More information on web application security can be found via the following link: http://www.owasp.org/index.php/OWASP_Top_Ten_Project</p>	<p>Please select here ...</p>
<p>31. Security documentation For JAVA-EE-ADV 7.1 only !</p> <p>Are the security related topics fully covered by your provided documentation?</p>	<p>Please select here ...</p>
<p>32. Customizing & Configuration documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Customizing & Configuration” documentation available for your product?</p> <p>This document should contain things like:</p> <ul style="list-style-type: none"> - Description of purpose and benefits of configuration and customizing a scenario / business process. - Overview of the scenarios / business processes. - Provides an overview on how different predefined behavior of the product release can be implemented according to foreseeable customer wishes. - Description how the scenarios / business processes and the objects of the product release can be realized specifically for a customer requirement. All steps needed to implement the scenarios / business processes. Sequence and description of the individual activities needed to configure and customize the individual business objects and their dependencies. 	<p>Please select here ...</p>

<p>33. Release Notes For JAVA-EE-ADV 7.1 only !</p> <p>Do you have a “Release Notes” document available for your product?</p> <p>If the current release of your product is not the first release, provide information on what has changed versus the previous release of your product.</p>	<p>Please select here ...</p>
<p>34. Technical application documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Technical application” documentation (no marketing documents) available for your product?</p> <p>Explain in this documentation on what the benefits of your software are and how it is used. Specify the target groups of this documentation and make sure that you tailor the documentation to the needs of your target groups (Consultants and system administrators for example need different information from business users).</p>	<p>Please select here ...</p>
<p>35. Installation documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Installation Information” documentation available for your product?</p> <p>It should contain the description of the technical implementation of your product, taking into account the combinations of operating systems and databases. It provides detailed descriptions of preparation, execution and follow-up of an installation.</p>	<p>Please select here ...</p>
<p>36. Upgrade documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Upgrade Information” documentation available for your product?</p> <p>This documentation contains the description of the technical upgrade of the product release, taking into account the combinations of operating systems and databases. It provides detailed descriptions of preparation, execution and follow-up of an upgrade.</p>	<p>Please select here ...</p>

<p>37. Master guide documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Master Guide” documentation available for your product?</p> <p>The documentation is the starting point for implementing the product release:</p> <ul style="list-style-type: none"> - Overview on product release, its component versions and its scenarios / business processes from a technical perspective. - “Software Component Matrix” showing which components are required for which scenario / business process. - Information if component release is mandatory or optional for a specific scenario / business process. - Information on system landscape containing a minimal system landscape. Ideally also a typical or maximum deployment landscape. Focus is to show how the installable component releases can be distributed to systems, which instances can be combined in one system and which instances need a separate system. - Technology that is used by the product release. - Overall Implementation sequence including a description of preparation, execution, and follow-up of an implementation (possibly scenario specific, if appropriate). - Lists the steps required to install the component releases in the appropriate order. - Refers to the corresponding installation or configuration documentation for the individual component release. 	<p>Please select here ...</p>
<p>38. Terms and definitions documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Terms and definitions” documentation available for your product?</p> <p>Here you should mention and publish all important terms and their definition. These must then be used consistently throughout the software interface and the documentation !</p>	<p>Please select here ...</p>
<p>39. Technical Interface documentation For JAVA-EE-ADV 7.1 only !</p> <p>Do you have the “Technical Interface” documentation available for your product?</p> <p>E.g. any programming interfaces that are relevant for customers or consultants</p>	<p>Please select here ...</p>

40. Functional product description / main features

Please provide a **brief overview in English** of the product you will deploy on your 64 Bit SAP NetWeaver CE 7.1 Application Server.

Propose at least five functional test cases for your product. They are part of the certification test, called the functional test.

Test 1	Type in here.....
Test 2
Test 3	
Test 4	
Test 5	

41. Product error handling and logging description

Please provide a **brief overview in English** of how error handling and logging of your [J2EE](#) / [EE 5](#) product are conducted once your [J2EE](#) / [EE 5](#) application has been deployed on your 64 Bit SAP NetWeaver CE 7.1 Application Server.

Propose at least five error and logging test cases for your product. They are part of the certification test, called the error and logging functional test. The test cases will be verified using the [SAP NetWeaver Administrator \(NWA\)](#) tool.

Test 1	Type in here.....error xyz should bring in the log the message “xyz error 1234 encountered “ etc.
Test 2
Test 3	
Test 4	
Test 5	