SAP INTEGRATION AND CERTIFICATION CENTER
THIRD-PARTY SOFTWARE PRODUCT CERTIFICATION

Quick overview in order to complete the JAVA-EE-NW 7.4 certification scenario based on SAP NetWeaver 7.4 SPS03 (SAP JAVA HANA enabled)

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(*complete bio appears on page 3*)

Short Introduction

SAP NetWeaver 7.4 is optimized for **SAP HANA**. It enables the use of **SAP HANA** as the underlying database and facilitates the optimization of applications for SAP HANA.

SAP NetWeaver 7.4 offers complete support for Java technology.

The **JAVA-EE-NW 7.4** certification scenario based on the **SAP NetWeaver 7.4 Application Server Java™ EE 5 Edition** allows you to have your **J2EE 1.4** and / o**r** **Java EE 5** application which you **developed** and / or created via a **predefined template** certified on the SAP Java EE application server.

You can also **migrate** an existing Java EE Application (J2EE 1.3 / 1.4 compliant) to AS Java and have the application certified.

With the SAP NetWeaver 7.4 environment, SAP delivers and supports the **SAP JVM**, which is a certified **Java SE 6 Virtual Machine (VM)** and **Java Development Kit (JDK)**, based on the Oracle HotSpot technology, and enhanced with several supportability features. It is built and supported by SAP and is available for all processor architectures and operating systems supported by SAP NetWeaver. It therefore provides a consistent configuration and behavior of essential VM functions.

The SAP JVM aims to be a stable and high performance base for Java application servers, while supporting software developers and system administrators with useful features.

Furthermore, you can make use of the **SAP NetWeaver Developer Studio**, SAP's own environment for developing / migrating / deploying Java-based, multiple-layered business applications.

What is JAVA-EE-NW 7.4 deployment certification based on the SAP NetWeaver 7.4 Java EE application server?

With the SAP Java EE application server, you can develop J2EE 1.4 and / or Java EE 5 applications based on Java EE 5 technology, or migrate an existing J2EE 1.3 / J2EE 1.4 / Java EE 5 compliant application on to our SAP NetWeaver technology platform and have the application (product) certified through the SAP Integration and Certification Center (SAP ICC).

Thus, you need to decide what you want, or better said do your business and technical expectations match those of your SAP customers? In other words, will a SAP customer only buy your product if it has been certified? Or maybe you want to have your favorite EE 5 application certified in order to meet one of the prerequisites in order to become a SAP software partner? Or maybe you need to recertify your product which was previously certified on

the **SAP NetWeaver 7.0 Application Server Java, SAP NetWeaver 7.1 Application Server Java EE 5 Edition** or **SAP NetWeaver 7.2 / 7.3 Application Server Java EE 5 Edition**.

In order to be successful with your decision and the resulting product certification, you need to know what to do, what you need, why you need it, and most importantly how to proceed in the proper manner. When in doubt a designated ICC integration consultant can also assist you.

What happened to the JAVA deployment integration scenarios before JAVA-EE-NW 7.4?

Ever since ICC introduced J2EE / EE 5 application product certification, ICC has offered for each major SAP release (6.20, 6.40, 7.0, 7.1, 7.2, 7.3 and now 7.4) a new certification scenario in order to take into account different technical dependencies and J2EE 1.3, 1.4 / EE 5 standards.

In order to accompany the SAP strategy of simplification and optimization, we have deprecated the previous certification scenarios called J2EE-DEP 7.0, J2EE-STD 7.0, JAVA-EE-ADV 7.1, JAVA-EE-STD 7.1, JAVA-EE-NW 7.2 and JAVA-EE-NW 7.3 since the integration scenario called JAVA-EE-NW 7.4 can technically replace those outdated previous integration scenarios. To keep things simpler and not make it complicated, as with the previous outdated certification scenarios, your JAVA-EE-NW 7.4 certified application once successfully deployed on the 7.4 SAP NetWeaver AS Java server will also be SAP Solution Manager Ready!

With the previous outdated mentioned above, the process of preparing and having your product certified is close to similar or identical as with the integration scenario called JAVA-EE-NW 7.40. You go through the same certification steps. Furthermore, the JAVA-EE-NW 7.40 integration scenario supports among other databases the SAP HANA database (for **SAP NetWeaver AS Java support on the SAP HANA database as of SAP NetWeaver 7.4 SP03,** please see also the document called **"End-to-End Implementation Roadmap for SAP NetWeaver AS Java"**).

What's the difference between the integration scenario JAVA-EE-NW 7.4 and HANACLOUD-JAVA-1.0?

HANACLOUD-JAVA-1.0 is an SAP **on demand** Java integration scenario (the SAP software runs in an SAP cloud at an SAP site). **JAVA-EE-NW 7.4** is an SAP **on premise** Java integration scenario (the SAP software is installed onsite at an SAP location).

What's the difference between the integration scenario JAVA-EE-NW 7.4 and HANACLOUD-PORTAL-1.0?

HANACLOUD-PORTAL-1.0 is a cloud-based solution (**on demand**) for fast and easy portal site creation. SAP HANA Cloud Portal allows users to build, brand, and publish external and internal web sites. **JAVA-EE-NW 7.4** is an SAP **on premise** Java integration scenario (the SAP software is installed onsite at an SAP location).

What's the difference between the integration scenario JAVA-EE-NW 7.4 and HANA-APP?

With **HANA-APP** partners and ISVs can take advantage of the power of the SAP HANA Platform to develop new applications with advanced reporting analysis, and planning in a real time. **JAVA-EE-NW 7.4** is an SAP **on premise** Java integration scenario (the SAP software is installed onsite at an SAP location).

Where can you find information on what you need to do next in order to certify your product?

For the **JAVA-EE-NW 7.4** certification scenario, please download the **java_ee_nw_74.zip** file. Extract the zip file and read the contents of the **README1ST.PDF** file which tells you exactly how to proceed and what needs to be done. You will also find in the **README1ST.PDF** any up-to-date or outdated information regarding the certification process.

Bernhard Weiss joined SAP during August 1989.
He currently works for the Integration and Certification Center at SAP in Walldorf, Germany

Prior to joining SAP, he worked as a financial analyst and controller and in management information systems for 3 years with a US multinational and UK based corporation. After joining SAP in 1989, he worked 4 1/4 years as a support engineer in R/2 hotline - SAP QSA, in the area R/2 RF. Subsequently, before joining the department ICC, he worked 9 years as a system administrator within SAP IT, in the areas of OS/2, Windows, Linux, Lotus Notes/Domino, training and internal production systems, VMware, 7x24 support, networking, hardware, monitoring. Bernhard's current focus within ICC are SAP NetWeaver integration technologies, for example, J2EE and CCMS, lowering TCO, outsourcing, server and system consolidation of ICC test systems utilizing VMware. In addition to his SAP expertise, Bernhard holds/obtained an MBA (Master of International Business Administration from Thunderbird, The American Graduate School of International Management), BA (Bachelor of Science in Business Administration from Bowling Green State University), and Arts (Associate of Arts from Cuyahoga Community College). Bernhard lived 16 years in the United States and is bilingual in English and German.

Should you have further questions please contact your SAP Integration and Certification Center: **icc@sap.com**

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