SAP HANA Cloud Applications
Partner Program Certification

Technical Product Profile (TPP) and Test Catalogue (TC) for SAP certified SAP HANA Cloud Applications

April 9, 2013

Dear SAP HANA Cloud Application Partner,

To start the certification process, we would like to provide you with this document which helps to prepare you for the productive kick-off meeting with your SAP Integration and Certification Center consultant.

The purpose of this document is to get a technical overview of your product and the SAP HANA Cloud environment it will run in. This technical information needs to be supplied in the sections called Part I to Part VII. These are the Technical Product Profile (TPP) parts. In Part VIII you need to supply the functional and error handling test cases in order to test your product during the certification phase. This is the Test Catalogue (TC) part.

You do not have to have all the answers ready right away, but please ensure that a technical contact person is present during the call to discuss below aspects. You can also find more information about the certification in the SAP HANA Cloud Applications Partner Center and more technical information in the SAP HANA Cloud Developer Center.

Company Name _____

Technical Contact Person _____

Phone _____

Email _____

SAP Vendor ID _____

SAP HANA Cloud Account _____

Vendor Product Name _____

Vendor Product Release _____

SAP HANA Cloud Solution ID _____

Technical Product Profile (TPP)

Part I. Product Overview

1. Describe typical use cases of the product (i.e. the business process) including the integrated SAP functionality, if any.	
2. List the names of all the products (software components – i.e. Cloud applications, server applications, backend application etc.) that can be identified as a single entity, and are a part of the product.	
3. Provide a diagram of the entire system (including the components that are not involved in the SAP integration) that constitutes the product including the data/information flow between different components. Please include every component that was identified in 2.	

Part II. Vendor Development Environment and Tools

1. Has the application been developed only with *SAP HANA Cloud tools* or have additional tools been used? Name the additional tools.	
2. Can the application be deployed, started and configured with the *SAP HANA Cloud command line tool*? Provide a working executable script (Windows batch file or Linux shell script) to deploy, start and configure the application with the SAP HANA Cloud command line tool (*neo.sh* or *neo.bat*). The execution of this script will be part of the certification. Provide a link to a running application deployed with the SAP HANA Cloud command line tools (*neo.sh* or *neo.bat*).	

Part III. Application Architecture and Technology

1. Does the application require only Java libraries delivered with the *SAP HANA Cloud SDK* or are additional Java libraries packaged with the application? Name all the additional Java libraries, including the license of the library.	
2. Does the application require native libraries? Name all the required native libraries, including the required platform, operating system and the license of the library.	
3. Which specifications of the Java EE 6 Web Profile are used by the application? Provide the full name and version of the required specification.	
4. Are you using SAP HANA DB? If yes, which HANA specific features are you using (e.g. columnar based data storage, SQLScript, R language)?	
5. Which *SAP HANA Cloud Services* does the application use?	SAP HANA Cloud connectivity Service SAP HANA Cloud document Service SAP HANA Cloud identity service with SAP Identity Provider SAP HANA Cloud persistence Service Other Services:

Part IV. Application Sizing and Configuration

1. Do you provide a guideline that helps to understand which platform resources the application requires? Provide links to respective documents.	
2. Which measures did you take for tuning the database performance (creation of indexes, usage of connection pool from the platform, SQL trace analysis, etc.)?	
3. What is the recommended amount of resources to run the application for a certain amount of users? Give a recommendation for 100, 1.000 or 10.000 users depending on the typical user base for the application. If the application is not user based provide the resources consumed for the appropriate metric (e.g. number of messages, transactions…)	For _____ the following resources are recommended: Compute Units — Number and Type: Lite Compute Units — Number and Type: Professional Compute Units — Number and Type: Premium Compute Units — Number and Type: Premium Plus SAP HANA Cloud connectivity Service — Number of connections SAP HANA Cloud document Service — GB of storage SAP HANA Cloud persistence Service — GB of storage Exgress Bandwith — GB per month Other Services:
4. Does the application require configuration before it can be used? Provide links to documents describing the required configuration steps.	
5. What configurations are required?	SAP HANA Cloud connectivity Service — Configuration of Destinations required Other:

Part V. Application Operation and Support

1. Does the application write logs that help operators to understand debug and solve error situations? Provide links to documents explaining how to access and analyze applications logs. Provide a link to the server logs of an application running on SAP HANA Cloud.	
2. How can your customers request support for the application? List all provided support channels like phone numbers, email addresses, web sites, issue tracking systems.	
3. How do you plan to handle and troubleshoot customer support requests for the application? Provide links to documents clarifying your service levels and support procedures.	
4. Do you understand how to request support for SAP HANA Cloud via the support community and CSN components?	

Part VI. Backend Systems integrated via SAP HANA Cloud Connectivity Service

1. To which backend systems does application connect?	SAP Backends:	
	Non-SAP Backends:	
2. Who hosts these backend systems?	Hosted by application vendor	
	Hosted by customer	
	Hosted by SAP	
	Hosted by third party	
3. How are the backend systems exposed to the SAP HANA Cloud application?	Via SAP HANA Cloud Connector	
	Directly to the internet	
4. How do you connect to which kind of backend?	Directly via http(s)	
	Mediated via SAP NetWeaver Gateway	
	Mediated via SAP NetWeaver PI	
	Mediated via SAP Business Connector	
	Mediated via other:	
Backend Systems on SAP NetWeaver AS ABAP		
Standard SAP ABAP Objects 1. List all SAP supported BAPIs/ Remote Function Modules used		
2. List all the SAP supported Enterprise Services used.		
Self-Developed ABAP Objects* 1. List all new ABAP objects implemented and their functionality.		
2. List all new function modules and their functionality.		
3. Let us know, if these developments are already in your company's own ABAP development namespace (this will help us estimate a certification timeline).		

***Remark:**
The backend integration of the SAP HANA Cloud Application (the part that runs on SAP HANA Cloud) will be tested based on the data only. The ABAP Add-on itself is not part of the certification.

Backend Systems on SAP NetWeaver AS Java	
Standard SAP J2EE or Java EE Applications 1. Which standard SAP applications based on J2EE and Java EE do you connect to?	
2. Which SAP NetWeaver AS Java release is used to host the application you connect to (7.0, 7.1, 7.2, 7.3)	
Self-Developed J2EE and Java EE Application** 1. Which SAP NetWeaver AS Java release is used to host your backend application (7.0, 7.1, 7.2, 7.3)	

****Remark:**
Self-developed Java applications which are based on another Java deployment are not covered under the SAP HANA Cloud Applications Partner Program Certification. A separate Java deployment certification might be required in this case.

Non-SAP Backend Systems	
1. List the all non-SAP backend systems the application connects to.	
2. List the new functionalities developed.	

Test Catalogue (TC)

Part VII. Test Cases

1. Can the application be deployed, started and configured with the *SAP HANA Cloud command line tool*? Provide a working executable script (Windows batch file or Linux shell script) to deploy, start and configure the application with the neo command line tool.	
2. Can the application been successfully stopped and restarted? Provide a link to a running instance of the application that has been stopped and restarted.	
3. Can multiple instances of the application be successfully started at the same time? Provide links multiple running instances of the same application.	
4. Provide five functional test cases for typical use cases of the product. These test cases must make use of the consumed SAP HANA Cloud Services.	1.
	2.
	3.
	4.
	5.
5. Provide five error and logging use cases for the product for typical error or support situations of the product.	1.
	2.
	3.
	4.
	5.

General Remarks

Many Thanks!