IBS Group becomes the first in Russia to test the SAP HANA Appliance by Huawei

March 11, 2015 – IBS Group has become the first company in Russia to deploy and test SAP HANA Appliance, manufactured by Huawei, at its laboratory. Testing the SAP ERP system with real data based on SAP HANA technology, and comparing its performance with the traditional Oracle DB-based configuration, has shown significant growth in the performance speed of reports and operations while confirming the Huawei server's equipment stability and sustainability in performing such tasks.

Within the scope of developing its partnership with Huawei, IBS Group has received a server appliance, optimized and certified for use with SAP HANA, for testing. The appliance has been specifically designed by Huawei in cooperation with SAP to deploy applications with SAP High-Performance Analytic Appliance (HANA) technology, providing a significant increase in information-analysis speed in real time.

In order to test the appliance, it was deployed with a copy of the SAP ERP enterprise information system, as used by IBS Group, containing real historical data. After adjusting some settings, performance has been tested on basic operations.

During the test, the system was transferred from classic architecture (using Oracle DB) to in-memory technology from SAP HANA, and its performance was measured according to a custom-tailored testing method. IBS Group specialists noted HANA's demonstration of dramatic advantages in terms of analytical tasks, data selection with multiple conditions, quick solutions and tasks involving large volumes of data analysis. At the same time, while using classic transactions and user queries, we didn't always achieve a gain in performance growth without a significant revision of applications and queries. IBS Group specialists presume that the reason for this are HANA's architectural peculiarities, which must be taken into consideration when designing user applications.

Andrey Proshin, **Director of the IBS Business-Critical Systems Infrastructure Department, part of the company's infrastructure division**: "*IBS Group, one of the oldest SAP partners on the Russian market and a major integrator of high-load and business-critical computing systems, has become the first Russian IT company to get hands-on experience deploying SAP on the HANA Appliance from Huawei. We are greatly impressed by the results of testing – the complex shows double or triple performance with optimally-built queries. We will recommend using Huawei and SAP HANA equipment in our customer's new implementations. Moreover, the experience we have gained during the test deployment will enable us to carry out such projects faster and with lower risks.*"

Mr Zhao Likun, VP of Huawei Russia Solution Sales Dept: " Huawei is committed to create strong relations with partners and to develop relations with customers. IBS is Huawei important partner in Russia. For the first time in Russia, IBS company deployed and tested in SAP HANA Appliance, manufactured by Huawei, that demonstrated reliability and stability of HANA Appliance. We are satisfied with our cooperation with IBS company".

Based on test results, IBS Group engineers confirmed the Huawei server equipment's high operational stability and its readiness to be implemented in SAP-system deployment in Russia.

"The trend for lowering the share of Western IT vendors makes the Chinese manufacturer's product especially attractive for Russian customers," **Andrey Proshin** adds. "*Multifeature testing has dispelled all*

of our doubts regarding the equipment's sustainability and stability – we have made sure Huawei set them to the highest level."

Before migrating to a new server complex, IBS Group specialists prepared for the migration of the current information system to HANA. The system was upgraded to version SAP ERP 6.0 EHP7, SAP HANA environment with all necessary upgrades deployed; the system was adjusted for working in the SAP HANA architecture, and data was transferred from the DB to the new server.

The method for testing performance ended in the determination of response time for a range of operations, including:

- reading table contents using standard SAP utilities,

- SQL selections from an ABAP program, simulating different types of business transactions,

- standard MM and FI transactions,

- BW extractors based on SAP Query

The testing showed a performance gain of 2 to 5 times for IBS transaction data, 20 to 100 times for analytical data and up to 200 times in some other cases.

SAP HANA L stand configuration: RH5885H V3 4*E7-4880 V2 CPU, 1 TB Mem, 8*900 GB SAS, 2*ES3000/800 GB, 4*GE, 4*10 GE, 2*2K AC PS, SLES for SAP Applications 11.

Detailed information on test performance and its results can be acquired from IBS Group.