SAP HANA Appliance
Express5800 A2040d
Initial Operation Verification Guide

23rd of January 2017
NEC SAP Global Competence Center
1. Preparation

1.1. Check the Power Plugs

Please check that all power plugs are connected to the back of server.

1.2. Check the NICs

1.2.1. Production Network

Please check that all Network Interface Cards are connected as required. This means the two dual port adapters mounted in slots number 9 and 16 should be connected. These 4 1GB ports are bonded by the OS driver. For your reference please see the numbers on top of the PCI slot. The below image does not contain NICs in these slots.

1.2.2. Management Network

Please check that at least one of both management adapters (MGB1 Management and MGB2 Management) is connected to the network. With this connection you can monitor your hardware health.

1.3. External Storage (JBOD)

Please connect the external storage to the 2nd RAID controller. The RAID controller is mounted in PCI slot 12. Please connect its port “A” to port “0” of the JBOD.

Please connect two power cables to the external storage as well.
2. Start the Server

2.1. Power on the server

Pressing the SYSTEM POWER Switch at the front of the server turns on the server. Turn on the server by using the following procedure.

**Important**
- Do not power on the server before amber SYSTEM POWER LED is unlit.
- Wait for at least 30 seconds before pressing the SYSTEM POWER switch on the server after turning off the server.

1. Turn on the peripheral devices and display unit.
   *Note*
   *If the power cord is connected to power control system such as an Uninterruptible Power Supply (UPS), make sure that the power control system is turned on.*

2. Remove Front Bezel, if mounted.
3. Press the SYSTEM POWER switch at the front of the server.
   SYSTEM POWER LED is lit green and after a while, POST appears on the display.

**Important**
Do not connect or disconnect USB device while POST is running. In addition, do not connect or disconnect remote media.

Wait for the server to finish the boot operation. Once it has completed you will be presented the following login screen.
Please login to the OS.
2.2. Logon to the server

Depending on your installed OS you will either be presented a graphical interface to login or a CLI login prompt. In any case initial login credentials are:

- Username : root
- Password : hana

2.3. Start the SAP HANA Instance

1. Change user to the <sid>adm and start HANA:
   ```
su - <sid>adm
HDB start
   ```
2. Check the SAP HANA Instance status, all should be “GREEN”. Please note that HANA startup takes some time.
   ```
sapcontrol -nr <instance no> -function GetProcessList
   ```

3. Stop the Server

3.1. Stop the SAP HANA Instance

1. Change user to the <sid>adm and stop HANA:
   ```
su - <sid>adm
HDB stop
   ```
2. Check the SAP HANA Instance status, it must be “GRAY, Stopped”. Please note that HANA shutdown takes some time.
   ```
sapcontrol -nr <instance no> -function GetProcessList
   ```

3.2. Power off the server

Power off the server. Use the following command on terminal:
```
shutdown -h now
```

4. Additional information

For additional information about the hardware please review the “User’s guide” for A2040d available at [www.58support.nec.co.jp/global/download](http://www.58support.nec.co.jp/global/download)