Table of Contents
1. Preparation.................................................................................................................. 2
   1.1. Check the Power Plugs......................................................................................... 2
   1.2. Check the NICs ................................................................................................. 2
       1.2.1. Production Network .................................................................................. 2
       1.2.2. Management Network ............................................................................. 2
   1.3. External Storage (JBOD) .................................................................................. 3
2. Start the Server.............................................................................................................. 3
   2.1. Power on the server ......................................................................................... 3
   2.2. Logon to the server ......................................................................................... 4
   2.3. Start the SAP HANA Instance .......................................................................... 5
3. Stop the Server............................................................................................................ 6
   3.1. Stop the SAP HANA Instance ......................................................................... 6
   3.2. Power off the server ....................................................................................... 6
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 8 and 9 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)

In case you have a 2TB appliance with an external storage please connect the storage to the 2nd RAID controller. The RAID controller is mounted in PCI slot 5. 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.
If you have an external storage please also power on the storage unit by pressing both dip switches at the back side of the storage near the power units.

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

- Username: root
- Password: hana
### 2.3. Start the SAP HANA Instance

1. Change the current directory.
   ```bash
   # cd /usr/sap/hostctrl/exe
   ```

2. Start the SAP HANA Instance.
   Check the status “OK”.
   - Instance No: “HANA>SAP HANA> Instance No.” on parameter sheet.
   ```bash
   # ./sapcontrol -nr <instance no> -function Start
   Start
   OK
   ```

3. Check the SAP HANA Instance Status.
   Check the all status “GREEN”
   It takes some time after the sapcontrol command.
   - Instance No: “HANA>SAP HANA> Instance No.” on parameter sheet.
   ```bash
   # ./sapcontrol -nr <instance no> -function GetProcessList
   ```

   ```
   GetProcessList
   OK
   name, description, dispstatus, textstatus, starttime, elapsedtime, pid
   hdbdaemon, HDB Daemon, GREEN, Running, 2012 08 21 15:14:51, 0:01:37, 24060
   hdbnameserver, HDB Nameserver, GREEN, Running, 2012 08 21 15:14:52, 0:01:36, 24993
   hdbpreprocessor, HDB Preprocessor, GREEN, Running, 2012 08 21 15:14:57, 0:01:31, 25092
   hdbindexserver, HDB Indexserver, GREEN, Running, 2012 08 21 15:14:59, 0:01:29, 25099
   hdbstatisticsserver, HDB Statisticsserver, GREEN, Running, 2012 08 21 15:15:00, 0:01:28, 25105
   hdbxengine, HDB XSEngine, GREEN, Running, 2012 08 21 15:15:01, 0:01:27, 25134
   sapwebdisp_hdb, SAP WebDispatcher, GREEN, Running, 2012 08 21 15:16:22, 0:00:06, 25623
   ```
3. Stop the Server

3.1. Stop the SAP HANA Instance

1. Change the current directory ..

```bash
# cd /usr/sap/hostctrl/exe
```

2. Stop the SAP HANA Instance.
   Check the status “OK”.
   - Instance No : “HANA>SAP HANA> Instance No.” on parameter sheet.

```bash
#/sapcontrol -nr <instance no> -function Stop
Stop
OK
```

3. Check the SAP HANA Instance Status.
   Check the all status “GREEN”
   It takes some time after the sapcontrol command.
   - Instance No : “HANA>SAP HANA> Instance No.” on parameter sheet.

```bash
#/sapcontrol -nr <instance no> - function GetProcessList
```

```
mechana01:/usr/sap/hostctrl/exe # /sapcontrol -nr 00 -function GetProcessList
GetProcessList
OK
name, description, dispstatus, textstatus, starttime, elapsedtime, pid
hdbdaemon, HDB Daemon, GRAY, Stopped, , , 22893
```

3.2. Power off the server

1. Power off the server. Use the following command on terminal.

```bash
# shutdown -h now
```