

Installation von ESXI auf HP DL20 Gen9

Quellen:

Übersicht ESXI für HPE-Server: <https://www.hpe.com/ch/de/servers/hpe-esxi.html>

Download ESXI 6.7 ab Gen9: <https://my.vmware.com/group/vmware/details?downloadGroup=OEM-ESXI67U3-HPE&productId=742>

HPE Proliant DL20 Gen10 Drivers :

<https://support.hpe.com/hpesc/public/km/product/1011028699/Product#t=DriversandSoftware&sort=relevancy&layout=table&numberOfResults=25>

Reddit-Diskussion:

https://www.reddit.com/r/sysadmin/comments/4ju7mo/vmware_esxi_on_a_dl20_g9/

Problembhebung

<https://community.hpe.com/t5/ProLiant-Servers-ML-DL-SL/Hard-drive-not-shown/td-p/7012416#>

Download und Installation der Software

Gehen Sie auf «<https://my.vmware.com/group/vmware/details?downloadGroup=OEM-ESXI67U3-HPE&productId=742>» und laden Sie das «HPE Gen9 Plus Custom Image for ESXi 6.7 U3 Install CD» herunter.

HPE Gen9 Plus Custom Image for ESXi 6.7 U3 Install CD Download Now

File size: 386.11 MB
File type: iso

[Read More](#)

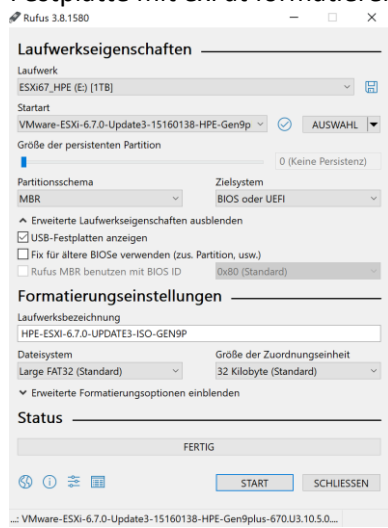
Laden Sie dieses dann auf einen USB-Stick.

Gen10 ServicePack installieren

https://techlibrary.hpe.com/us/en/enterprise/servers/products/service_pack/spp/index.aspx

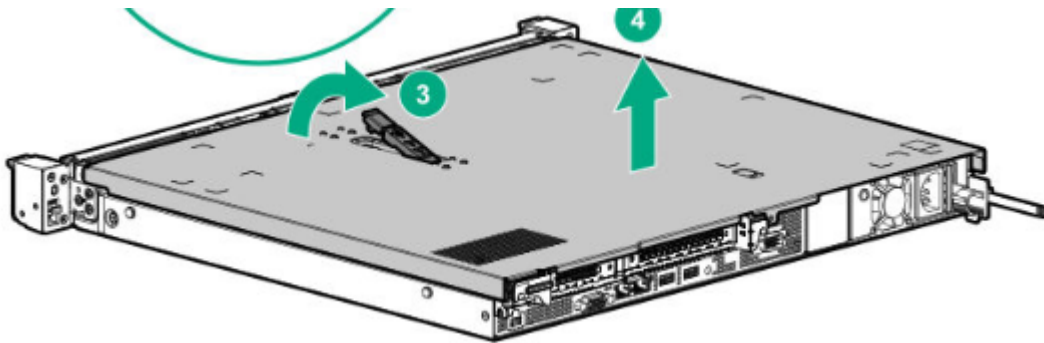
Bootfähigen USB-Stick erstellen

Rufus downloaden: <https://rufus.ie/>
Festplatte mit exFat formatieren.

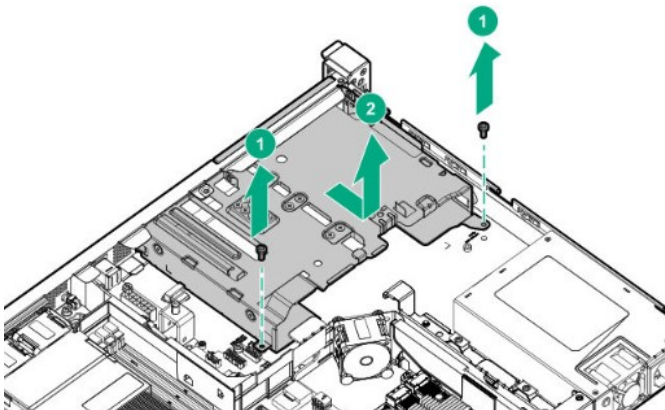


Server in Betrieb nehmen

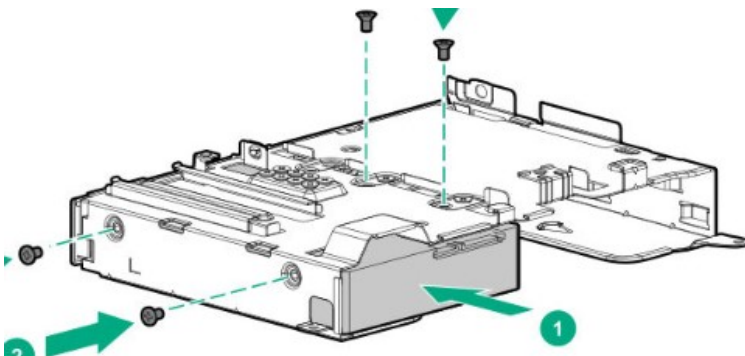
1. Abdeckung öffnen:



2. Einschubfach für HDD's lösen (es hat Platz und Anschluss für 2x 3.5» HDDs)



3. Danach die HDD / HDD's mit den Schrauben die auf dem Festplattenfach vormontiert sind oben (2x) und auf der Seite (2x) anschrauben.



4. Die HDD mit dem SAS-Kabel, der mit HDD1 angeschrieben ist anschliessen.

- Danach muss beim Aufstarten F9 «System Configuration» gedrückt werden. Danach unter «BIOS/Platform Configuration (RBSU) > System Options > SATA Controller Options > Embedded SATA Configuration» von RAID auf AHCI umstellen. Danach neu starten und die Festplatte wird erkannt.

ESXi installieren

1. Monitor, Tastatur, Maus anschliessen
2. Festplatte mit Bootable ESXi 6.7 u3 in Server einstecken und Server starten.
3. Danach beim Server F11 (Boot Menü) auswählen.
4. Dann im one-Time Boot Menü die Festplatte mit dem ESXi auswählen.
5. Danach sollte direkt der ESXi Loader starten und man kann das ESXi installieren.
6. Passwort notieren
7. Nicht registrierte Version ist für 60 Tage benutzbar.
8. Danach kann dem Server mit ESXi eine statische IP-Adresse vergeben werden.
9. Dann muss der Laptop, der über Netzkabel mit dem Server verbunden wird, sich im gleichen Netz (auch statische IP-Adresse vergeben) sein. Dabei muss man auch achten, dass am Server der richtige Ethernet-Anschluss (Port1) eingesteckt ist.
10. Danach kann auf dem Client die im Server angegebene IP-Adresse im Internet Explorer angegeben werden. Mit dem korrekten Login kann man sich dann über den Explorer beim Server anmelden und ihn managen.

Softwareinstallation Server

Aus UserGuide, aber Seite 23.

Setting up the server

Prerequisites

Before setting up the server, be sure to read the following:

- Download the latest SPP:
<http://www.hpe.com/servers/spp/download>
Support validation required
- Verify that your OS or virtualization software is supported:
<http://www.hpe.com/info/ossupport>
- Read the operational requirements for the server:
Operational requirements on page 26
- Read the safety and compliance information on the HPE website:
<http://www.hpe.com/support/safety-compliance-enterpriseproducts>

- Obtain the storage driver if needed:
 - Download it from the HPE Support Center website:
<http://www.hpe.com/support/hpesc>
 - Extract it from the SPP.
- Read the rack warnings and cautions:
Rack warnings and cautions on page 28
- Read the server warnings and cautions:
Server warnings and cautions on page 28

Procedure

Unbox the server

1. Unbox the server and verify the contents:

- Server
- Power cord
- Rack-mounting hardware (optional)
- Documentation

Install the hardware options

2. (Optional) Install hardware options. For installation instructions, see **Hardware options installation** on page 44.

3. **Install the server into the rack.**

4. Decide how to manage the server:

- Locally: Use a KVM switch or a connect a keyboard, monitor, and mouse.
- Remotely: Connect to the iLO web interface and run a remote console:
 - a. Verify the following:
 - iLO is licensed to use the remote console feature.
If iLO is not licensed, visit
<http://www.hpe.com/info/iLO>.
 - The iLO Management Port is connected to a secure network.
 - b. Using a browser, navigate to the iLO web interface, and then log in.
`https://<iLO hostname or IP address>`
Note the following:
 - The iLO hostname is located on the serial number/iLO information label located on the top of the chassis.
 - If a DHCP server assigns the IP address, the IP address appears on the boot screen.

- If a static IP address is assigned, use that IP address.
 - The default login credentials are located on the serial number/iLO information pull tab.
- c. In the side navigation, click the **Remote Console & Media** link, and then launch a remote console.
5. Press the Power On/Standby button.
For remote management, use the iLO virtual power button.
6. Using the SPP, **update the following**:
- System ROM
 - Storage controller
 - Network adapters
 - Intelligent Provisioning

Set up the storage

7. Set up the storage. Do one of the following:
- To configure the server to boot from a SAN, see the following guide:
<https://www.hpe.com/info/boot-from-san-config-guide>
 - If an HPE Smart Array SR controller is installed:
 - For SR controllers, use the HPE Smart Storage Administrator to create arrays:
 - a. From the boot screen, press **F10** to run Intelligent Provisioning.
 - b. From Intelligent Provisioning, run **HPE Smart Storage Administrator**.
 - If no controller option is installed, do one of the following:
 - AHCI is enabled by default. You can deploy an OS or virtualization software.
 - Disable AHCI, enable software RAID, and then create an array:
 - a. From the boot screen, press **F9** to run UEFI System Utilities.
 - b. From the UEFI System Utilities screen, select **System Configurations > BIOS/Platform Configuration (RBSU) > Storage Options > SATA Controller Options > Embedded SATA Configuration > Smart Array SW RAID Support**.
 - c. Enable **Smart Array SW RAID Support**.
 - d. Save the configuration and reboot the server.
 - e. Create an array:
 - I. From the boot screen, press **F9** to run UEFI System Utilities.
 - II. From the UEFI System Utilities screen, select **System Configuration > Embedded Storage: HPE Smart Storage S100i SR Gen10 > Array Configuration > Create Array**.

Deploy an OS or virtualization software

8. Deploy an OS or virtualization software. Do one of the following:
- Press **F10** at the boot screen to run Intelligent Provisioning and deploy an OS.
 - Manually deploy an OS.
 - a. Insert the installation media.
For remote management, click **Virtual Drives** in the iLO remote console to mount images, drivers, or files to a virtual folder. If a storage driver is required to install the OS, use the virtual folder to store the driver.
 - b. Press F11 at boot screen to select the boot device.
 - c. After the OS installed, **update the drivers**.

Register the server

9. To experience quicker service and more efficient support, register the server at the HPE website:
<https://myenterpriselicence.hpe.com>

Configuring the server

When the server is powered on, the POST screen is displayed. Use the following options to configure the server:

- **System utilities (F9)**
Use this option to configure UEFI, RBSU, or other boot settings.
- **Intelligent Provisioning (F10)**
Use this option to configure drives, access Smart Storage Administrator, or begin installing or deploying an operating system.
- **Boot order (F11)**
Use this option to select a boot device.
- **Network boot (F12)**
Use this option to PXE boot the server from the network.