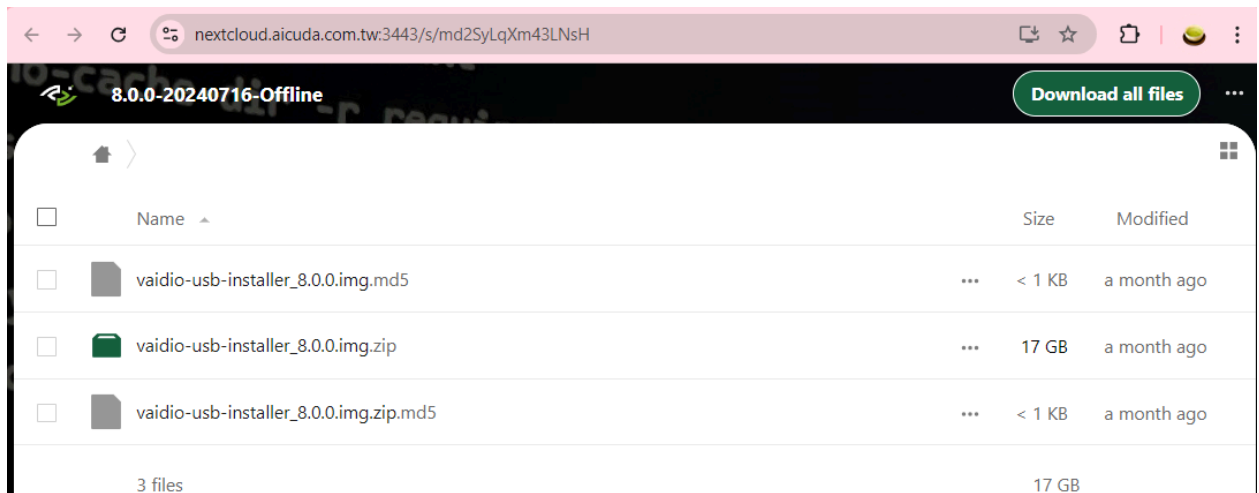


Vaidio 8.0 USB Installer HowTo Manual

Prepare the Vaidio Installer Image

1. Download the image zip from link below and unzip it
<https://nextcloud.aicuda.com.tw:3443/s/md2SyLqXm43LNsH>



2. Verify the MD5 of the image to ensure the image integrity after downloading.

```
Command Prompt

C:\Users\user\Downloads>type vaidio-usb-installer_8.0.0.img.zip.md5
d5953e31bda619d37e91a6c7a08ecd3c  vaidio-usb-installer_8.0.0.img.zip

C:\Users\user\Downloads>certutil -hashfile vaidio-usb-installer_8.0.0.img.zip MD5
MD5 hash of vaidio-usb-installer_8.0.0.img.zip:
d5953e31bda619d37e91a6c7a08ecd3c
CertUtil: -hashfile command completed successfully.
```

Flashing the Installer image to USB drive

1. Insert an USB 3.0 thumb drive / disk with minimum size 32GB to your laptop / pc. A reminder using USB 2.0 the installation time can increase from 12 minutes to 30+ minutes.

2. Use utility to flash the unzipped image “vaudio-usb-installer_x.x.x.img” to the target USB3 device.

(1) In unix-like command console: suppose the inserted USB thumb drive is detected as /dev/sdx, dd the image file to the target USB device

```
# dd if=/path/to/vaudio-usb-installer_x.x.x.img of=/dev/sdx bs=1M
```

(2) windows platform

Option 1: with MINGW64 utility using windows command console

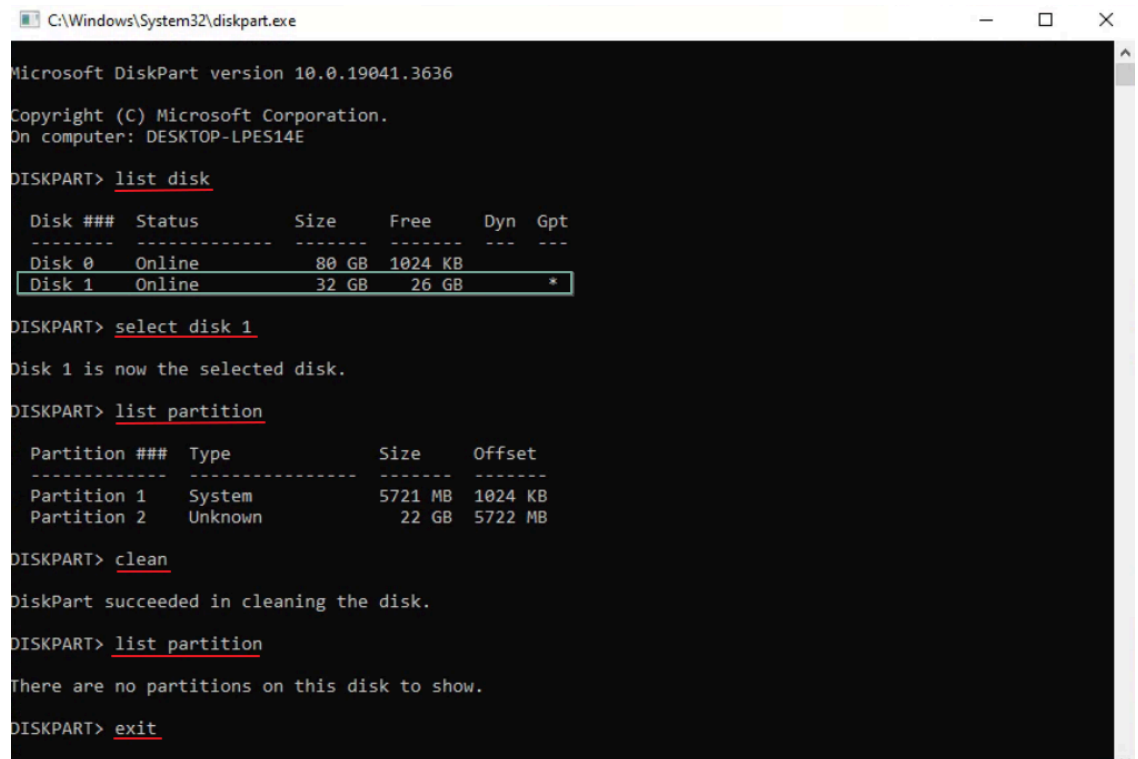
```
$ dd if=/c:/Users/jaspe/Downloads/vaudio-usb-installer_x.x.x.img of=/dev/sdc bs=1M
```

Option 2 : In windows: In example of “ImageUSB” from PassMark Software,

<https://www.osforensics.com/tools/write-usb-images.html>

- **Zero the USB drive**

If the USB drive is used before and has old partitions, please clean the partitions using Windows DiskPart utility. **Make sure you select the right disk to clean.**



```
C:\Windows\System32\diskpart.exe
Microsoft DiskPart version 10.0.19041.3636
Copyright (C) Microsoft Corporation.
On computer: DESKTOP-LPES14E

DISKPART> list disk

Disk ###  Status      Size      Free      Dyn  Gpt
-----  -
Disk 0    Online     80 GB     1024 KB
Disk 1    Online     32 GB     26 GB      *

DISKPART> select disk 1

Disk 1 is now the selected disk.

DISKPART> list partition

Partition ###  Type              Size      Offset
-----  -
Partition 1    System           5721 MB   1024 KB
Partition 2    Unknown          22 GB    5722 MB

DISKPART> clean

DiskPart succeeded in cleaning the disk.

DISKPART> list partition

There are no partitions on this disk to show.

DISKPART> exit
```

- **Write the image to USB drive:** follow the select USB drive, select the action, select the image and click Write

Create and write an image of a USB drive



Step 1: Select the USB drive(s) to be processed

- ☒ QEMU QEMU HARDDISK (Serial: 1-0000:00:05.7-4 Disk: 1, Part. Type: MBR, Size: 32.01 GB, Volumes: E)
E: Label: None, FileSystem: Unknown, Size: 32.01 GB

Select All

Unselect All

Drives Selected: 1

Refresh Drives

Step 2: Select the action to be performed on the selected USB drive(s)

- ☒ Write image to USB drive
☐ Create image from USB drive
☐ Zero USB drive
☐ Reformat USB drive (Windows Vista or later)

Available Options

- ☒ Post Image Verification
☐ Extend/Add Partition (NTFS Only)
☐ Boot Sector(s) Only
☐ Beep on Completion

Format Option: NTFS

Step 3: Select the image (.bin, .img or .iso) file to write to the USB drive(s)

C:\Users\user\Downloads\vaidio-usb-installer_8.0.0.img

Browse

Step 4: Click the 'Write' button to begin...

Write

Overall progress

PassMark Home

About

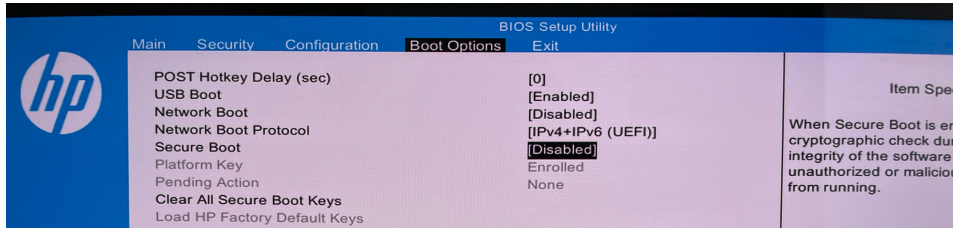
Log

Help

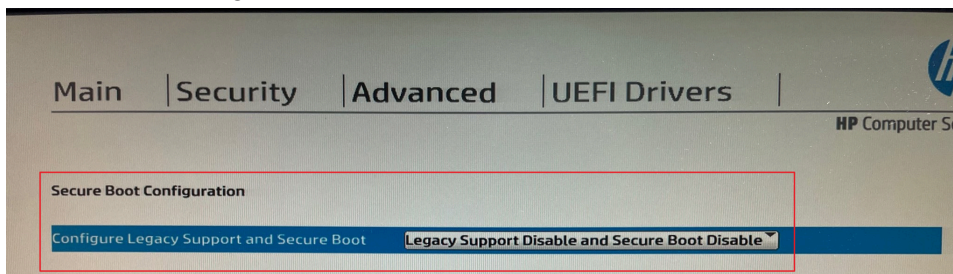
Exit

Install Vaidio from the flashed USB installer

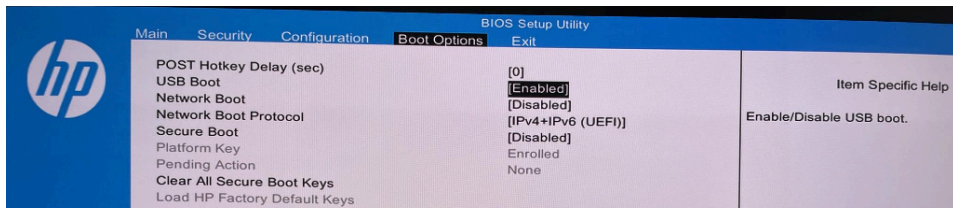
1. **Disable the Secure Boot option** in the BIOS of a target pc/server. (The screen capture in example of HP BIOS, please find equivalent function for other branded BIOS)



2. Make sure the target Vaidio appliance supports the **UEFI boot**



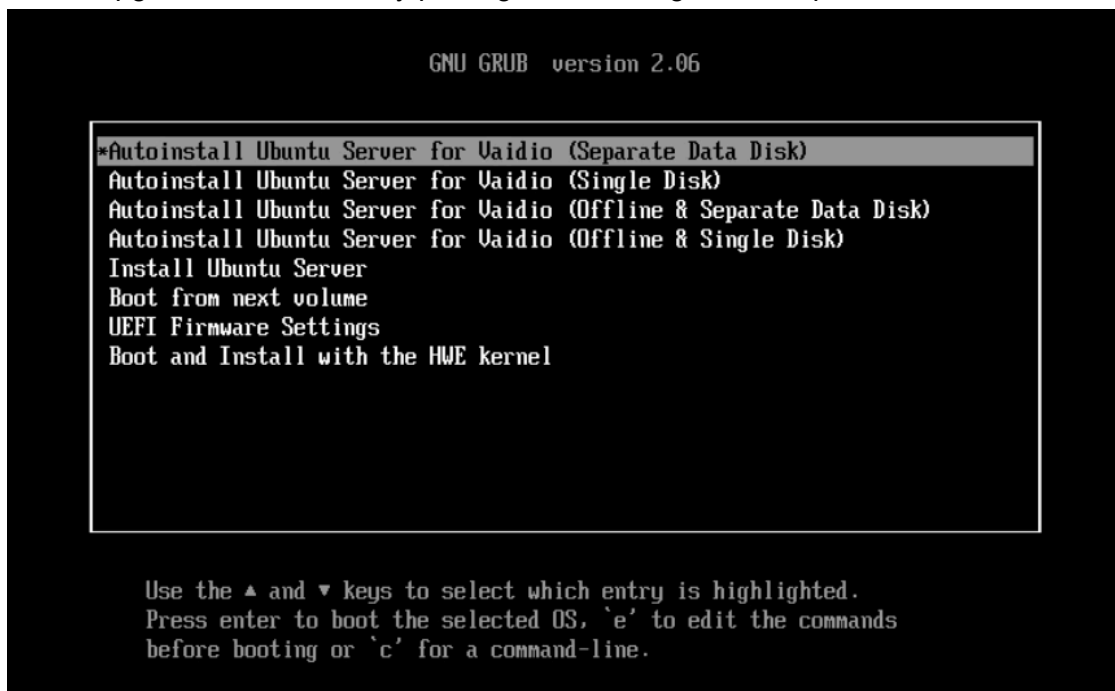
3. Make sure that the boot sequence of the target Vaidio appliance is **set to boot from USB first and then from the disk to install the OS.**



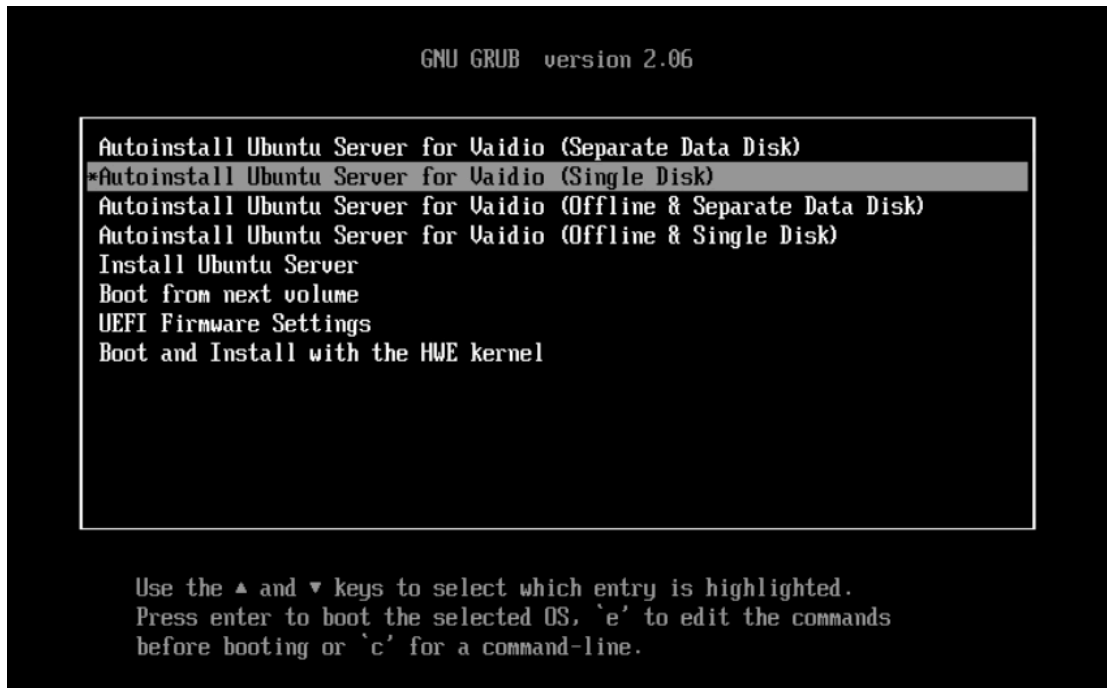
4. Connect a network wire to target appliance and make sure the **Internet is accessible with DHCP environment configured** for security update and pre-installation process. Both processes can be skipped to exclude the network connection in the coming installer image with the offline option. Without an offline option network connections are required for installation.
5. The disks on the server will be wiped and installed with Ubuntu/Vaidio and used for Vaidio AI meta-data disk in default w/o required a profile feed in. The largest disk on the server will be selected as AI meta-data disk. **Please do backup the disks or stop here if the data in HDDs are crucial.**
6. Insert the prepared Vaidio USB Installer to target Vaidio appliance then power up the appliance to boot from the USB drive.

The user should see below the screen into a select menu if USB boot correctly. Please select **any one** of the “Autoinstall Ubuntu Server for Vaidio (Separate Data disk)” , “Autoinstall Ubuntu Server for Vaidio (Single disk)”, “Autoinstall Ubuntu Server for Vaidio (Offline & Separate Data disk)” or “Autoinstall Ubuntu Server for Vaidio (Offline & Single disk)” in very first time.

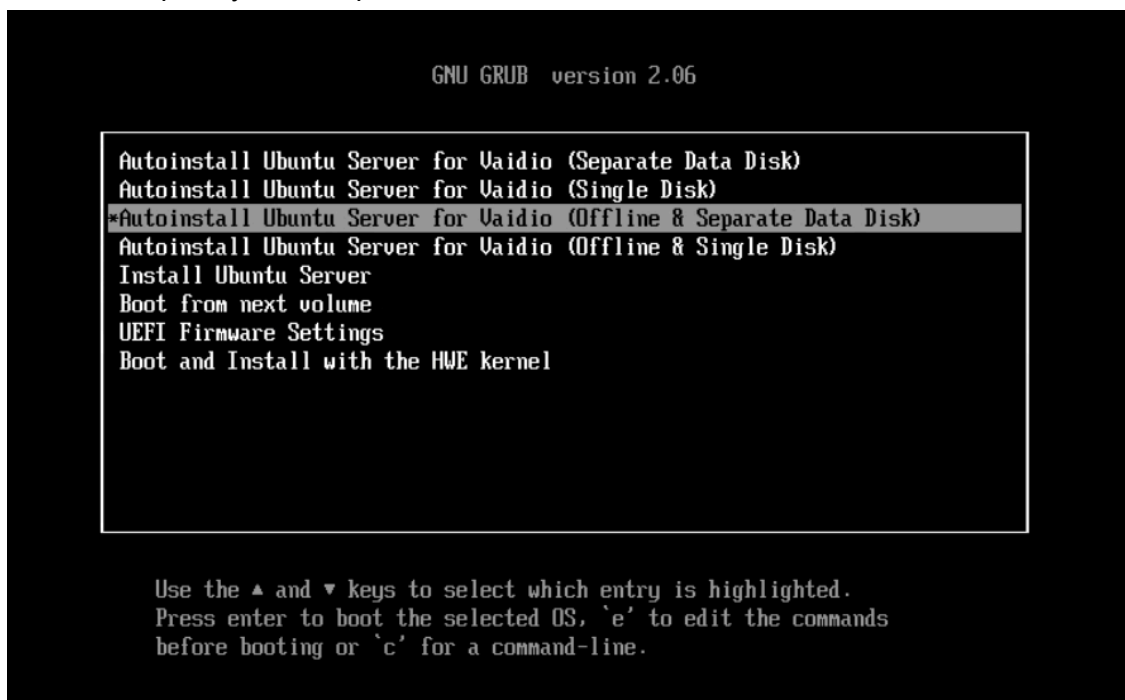
- (A). “Autoinstall Ubuntu Server for Vaidio (Separate Data Disk)” is for separating system disk and AI disk for metadata in different physical disk. It applies to multiple disks of the target system automatically updating the latest patch and upgrade if there are any packages containing version up.



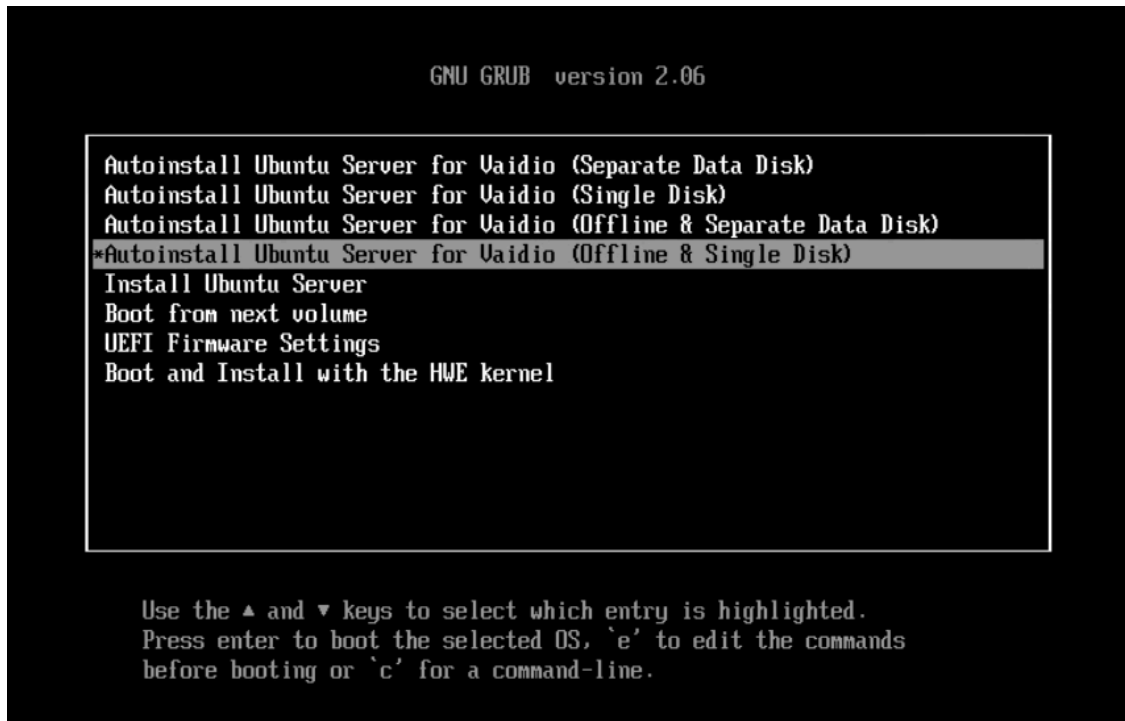
- (B). “Autoinstall Ubuntu Server for Vaidio (Single Disk)” is for installation option on the only physical system disk automatically updating the latest patch and upgrade if there are any packages containing version up.



- (C). “Autoinstall Ubuntu Server for Vaidio (Offline & Separate Data Disk)”
Same as (A) but w/o update and upgrade any packages through the internet.
Completely offline operation.



- (D). “Autoinstall Ubuntu Server for Vaidio (Offline & Single Disk)”
Same as (B) but w/o update and upgrade any packages through the internet.
Completely offline operation.



NOTE:

- RAID, LVM and other types of logic storage creation are not supported. Users need to manage this type of logical storage by pre-configuration before installation.
 - If the hardware is not in standard default ubuntu server 22.04 support list that requires additional drivers are not contained in the installer, either to complete the installation. For example, a parallel SCSI raid card.
 - Choosing the Single Disk option on a target system with multiple physical disks will result in AI meta-data stored in the system disk after Vaidio system is running.
 - Choosing the Separating Data disk option on a system with only one physical disk will result in installation error and stop the process.
 - In multiple physical disks target system, the smallest capacity disk will be chosen as system disk and largest capacity disk will be selected as AI disk automatically. The USB installer-disk is excluded in the target disk list.
7. Installation process takes place and text shows in the console. It takes about 15 minutes for a USB3 thumb drive, no need to do any input in the coming process. There are several system reboots during the installation just keep the thumb drive there no need to remove. The installation will power off appliance after successful installation, the console may have no output for a couple minutes after first reboot. **Please leave the appliance untouched and wait for it power off.**

```
Ubuntu 22.04.4 LTS ubuntu-server tty1
```

8. Remove the USB drive and power on the appliance to check the installation using information below.
 - Login system via console or SSH. The default username/password is `superuser/usersuper888`
 - Access Vaidio admin portal via `http://<IP Address>:8000`. The default username/password is `admin/admin888`
 - Access Vaidio console via `http://<IP Address>/login`. The default username/password is `admin/admin888`
9. If there is any issue during the installation, please collect all logs from `/var/log/` folders on the installed Ubuntu system.
10. If the Ubuntu desktop environment is preferred, use the command below.
`$ sudo apt install ubuntu-desktop`