

??????LOGO

UEFI

NVIDIA LOGO
UEFI

UEFI

docker

docker

docker

```
sudo apt install docker.io
```

docker

```
sudo usermod -a -G docker ${USER}
sudo reboot
```

```
export EDK2_DEV_IMAGE="ghcr.io/tianocore/containers/ubuntu-22-dev:latest"
export EDK2_USER_ARGS="-v \"${HOME}\":\"${HOME}\" -e EDK2_DOCKER_USER_HOME=\"${HOME}\""
export EDK2_BUILD_ROOT="/build"
export EDK2_BUILDRROOT_ARGS="-v \"${EDK2_BUILD_ROOT}\":\"${EDK2_BUILD_ROOT}\""
alias edk2_docker="docker run -it --rm -w \"$(pwd)\" ${EDK2_BUILDRROOT_ARGS} ${EDK2_USER_ARGS}
\"${EDK2_DEV_IMAGE}\""
```

```
edk2_docker echo hello
```

```
jetson@ubuntu: ~  
jetson@ubuntu:~$ export EDK2_BUILDROOT_ARGS="-v \"${EDK2_BUILD_ROOT}\" : \"${EDK2_BUILD_ROOT}\""  
jetson@ubuntu:~$ alias edk2_docker="docker run -it --rm -w \"$(pwd)\" ${EDK2_BUILDROOT_ARGS} ${EDK2_USER_ARGS} \"${EDK2_DEV_IMAGE}\""  
jetson@ubuntu:~$ edk2_docker echo hello  
Unable to find image 'ghcr.io/tianocore/containers/ubuntu-22-dev:latest' locally  
latest: Pulling from tianocore/containers/ubuntu-22-dev  
e6fdc8487bfe: Pull complete  
e5acbe445ea4: Pull complete  
f032eba38c52: Pull complete  
7d3217c69926: Pull complete  
792090d3d20d: Pull complete  
fa3210d58a0e: Pull complete  
31018c77db05: Pull complete  
67efaa724b88: Pull complete  
1a9ea5b856fa: Pull complete  
37f1b0ceb1ae: Pull complete  
832ec19c975b: Pull complete  
0f3cc2c8048e: Pull complete  
Digest: sha256:4fdb1fb41f33b28fb3ed438505663bbb38ffa494566b15538c4d710f2b61ba2e  
Status: Downloaded newer image for ghcr.io/tianocore/containers/ubuntu-22-dev:latest  
test  
hello  
jetson@ubuntu:~$
```

|||||

||| edk2||

```
edk2_docker init_edkrepo_conf  
edk2_docker edkrepo manifest-repos add nvidia https://github.com/NVIDIA/edk2-edkrepo-  
manifest.git main nvidia
```

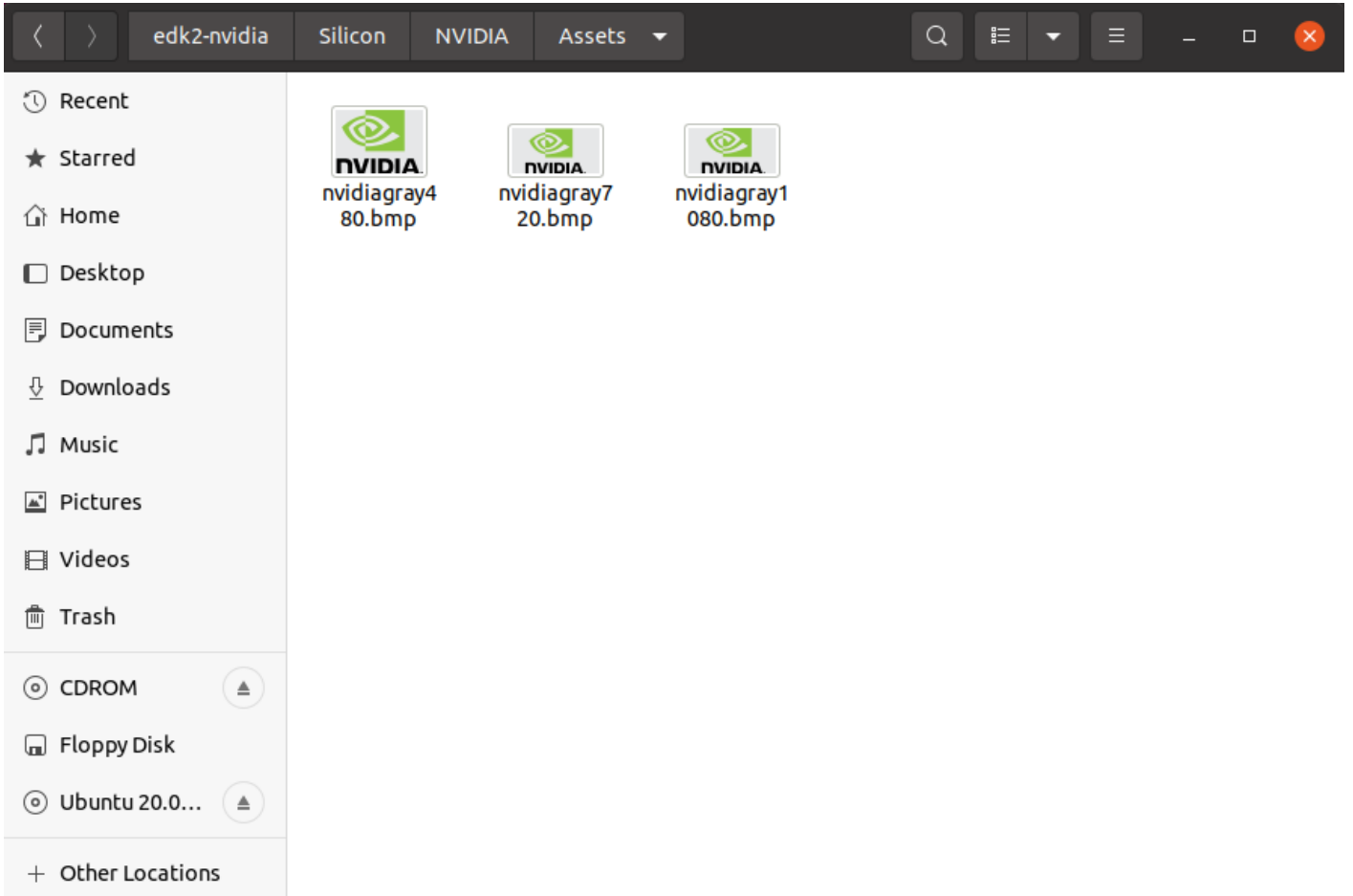
|| JetPack|||| uefi|| (|| JetPack6.2.1/r36.4.4||)

```
edk2_docker edkrepo clone nvidia-uefi-r36.4.4 NVIDIA-Platforms r36.4.4-updates
```

||||||| git|||||||

||||||| LOGO||

```
cd nvidia-uefi-r36.4.4/edk2-nvidia/Silicon/NVIDIA/Assets/
```



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```
cd nvidia-uefi-r36.4.0/edk2-nvidia/Platform/NVIDIA/NVIDIA.fvmain.fdf.inc
```

```
Open [v] [f] NVIDIA.fvmain.fdf.inc Save [≡] - □ ×
~/work/nvidia-uefi-r36.4.4/edk2-nvidia/Platform/NVIDIA
build.sh × NVIDIA.fvmain.fdf.inc ×
229
230 #
231 # Logo support
232 #
233 !ifdef CONFIG_LOGO
234 INF Silicon/NVIDIA/Drivers/Logo/LogoDxe.inf
235 !ifdef CONFIG_ACPI
236 INF MdeModulePkg/Universal/Acpi/BootGraphicsResourceTableDxe/-
  BootGraphicsResourceTableDxe.inf
237 !endif
238
239 #
240 # Logo Files
241 #
242 FILE FREEFORM = gNVIDIAPatformLogoGuid {
243 SECTION RAW = Silicon/NVIDIA/Assets/nvidiagray480.bmp
244 SECTION RAW = Silicon/NVIDIA/Assets/nvidiagray720.bmp
245 SECTION RAW = Silicon/NVIDIA/Assets/nvidiagray1080.bmp
246 }
247 !endif
248
249 INF ArmPkg/Drivers/ArmGic/ArmGicDxe.inf
250 INF ArmPkg/Drivers/TimerDxe/TimerDxe.inf
251 !ifdef CONFIG_ARM_WATCHDOG
252 INF ArmPkg/Drivers/GenericWatchdogDxe/GenericWatchdogDxe.inf
253 INF MdeModulePkg/Universal/WatchdogTimerDxe/WatchdogTimer.inf
254 !else
255 INF MdeModulePkg/Universal/WatchdogTimerDxe/WatchdogTimer.inf
256 !endif
257 INF Silicon/NVIDIA/Drivers/BootWatchdog/BootWatchdog.inf
258
259 #
260 # FAT filesystem + GPT/MBR partitioning
261 #
262 INF MdeModulePkg/Universal/Disk/DiskIoDxe/DiskIoDxe.inf
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```



UEFI

```
cd nvidia-uefi-r36.4.4/
edk2_docker edk2-nvidia/Platform/NVIDIA/Jetson/build.sh
```

```
jetson@ubuntu: ~/work/nvidia-uefi-r36.4.4
INFO - Copying DTB images/BootOrderHttp_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderUsb_Jetson_RELEASE.dtbo
INFO - Copying DTB images/AcpiBoot_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderUfs_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderEmmc_Jetson_RELEASE.dtbo
INFO - Copying DTB images/DgpuDtEfifbSupport_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderSD_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderPxe_Jetson_RELEASE.dtbo
INFO - Copying DTB images/AndroidConfiguration_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderSata_Jetson_RELEASE.dtbo
INFO - Copying DTB images/BootOrderNvme_Jetson_RELEASE.dtbo
INFO - Copying DTB images/L4TConfiguration_Jetson_RELEASE.dtbo
INFO - Copying DTB images/T234AcpiWinBoot_Jetson_RELEASE.dtbo
DEBUG - Plugin Success: Linux GCC5 Tool Chain Support
DEBUG - Plugin Success: Debug Macro Check Plugin
INFO - Writing BuildToolsReports to /home/jetson/work/nvidia-uefi-r36.4.4/Build/
Jetson/RELEASE_GCC5/BUILD_TOOLS_REPORT
DEBUG - Plugin Success: Build Tools Report Generator
PROGRESS - End time: 2025-10-14 09:16:05.452442 Total time Elapsed: 0:04:54
SECTION - Log file is located at: /home/jetson/work/nvidia-uefi-r36.4.4/Build/BU
ILDLOG_Jetson.txt
SECTION - Summary
PROGRESS - Success
jetson@ubuntu:~/work/nvidia-uefi-r36.4.4 [r36.4.4-updates]$
```

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