Hewlett Packard Enterprise   **HPE Support Center**

Nvidia Tesla GPU is not detected on an Ezmeral Unified Analytics environment

Issue

Nvidia Tesla GPU is not detected on an Ezmeral Unified Analytics environment. The Nvidia driver pod is in crashloop backoff state and shows the below error:

The target kernel has CONFIG_MODULE_SIG set, which means that it supports cryptographic signatures on kernel modules. On some systems, the kernel may refuse to load modules without a valid signature from a trusted key. This system also has UEFI Secure Boot enabled; many distributions enforce module signature verification on UEFI systems when Secure Boot is enabled. Would you like to sign the NVIDIA kernel module? (Answer: Install without signing)
ERROR: The kernel module failed to load, because it was not signed by a key that is trusted by the kernel. Please try installing the driver again, and sign the kernel module when prompted to do so.
ERROR: Unable to load the kernel module 'nvidia.ko'. This happens most frequently when this kernel module was built against the wrong or improperly configured kernel sources, with a version of gcc that differs from the one used to build the target kernel, or if another driver, such as nouveau, is present and prevents the NVIDIA kernel module from obtaining ownership of the NVIDIA device(s), or no NVIDIA device installed in this system is supported by this NVIDIA Linux graphics driver release.

Please see the log entries 'Kernel module load error' and 'Kernel messages' at the end of the file '/var/log/nvidia-installer.log' for more information.
-> Kernel module load error: Required key not available
-> Kernel messages:
[13436.654781] IPv6: ADDRCONF(NETDEV_UP): calic166bef90ab: link is not ready
ERROR: Installation has failed. Please see the file '/var/log/nvidia-installer.log' for details. You may find suggestions on fixing installation problems in the README available on the Linux driver download page at www.nvidia.com ⊡ .

Environment

HPE Ezmeral Unified Analytics

Cause

The operating System has UEFI Secure Boot enabled.

Resolution

Please disable UEFI Secure Boot at the Operating System level. Please follow the Operating System documents to disable UEFI Secure Boot.

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