



NVIDIA GPU Passthrough Support

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Chapter 1. Introduction

This bulletin describes the changes required to support GPU passthrough (Discrete Device Assignment or DDA) to pass an entire NVIDIA GPU PCIe device into a VM. The information contained in this bulletin is specifically targeted towards systems that use NVIDIA T4 or NVIDIA A10 GPUs with [Azure Stack HCI version 21H2](#).

To enable NVIDIA GPUs in passthrough with Azure Stack HCI, an additional INF file needs to be installed on the system. An FAQ is provided below.

Chapter 2. Frequently Asked Questions

2.1. INF File

An INF file is required to enable DDA functionality with NVIDIA GPUs. The INF informs Hyper-V on how to correctly reset the GPUs during VM reboots. This guarantees the GPU is in a clean state when the VM boots up, and avoids issues such as the driver not being able to initialize the GPU after VM reboot.

For any issues with using the INF, contact your OEM via their support channels.

2.2. Download INF

The required INF file (contained in a zip archive) for Azure Stack HCI can be downloaded from [here](#).

2.3. OS Support

The INF is intended to be used only for Azure Stack HCI, version 21H2.

2.4. GPUs Supported

Currently T4, A10, A30 and A100 GPUs are supported. The list will be updated if more GPUs require the INF to be installed.

2.5. Installing the INF

Please follow this guide to install the INF: <https://docs.microsoft.com/en-us/windows-hardware/drivers/devtest/pnputil-examples>.

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