

Hyper-V and Guest Virtual Machines

Configure Discrete Device Assignment

Objectives:

At the end of this episode, I will be able to:

1. Configure Discrete Device Assignment.

Key Points:

What is Discrete Device Assignment (DDA)?

In which state must the VM on which you want to enable DDA to be?

How do you determine if the hardware in your host supports DDA?

How do you determine the Memory Mapped I/O (MMIO) needs of the host computer's PCIe device?

Compare and contrast the Set-VM PowerShell cmdlet's -LowMemoryMappedIoSpace and -HighMemoryMappedIoSpace parameters?

Which tools could you use to determine the Location Path for the PCIe device that allows MMIO?

Which PowerShell cmdlet should you use to actually set up DDA on a VM?

If you no longer want a VM to use DDA, which two PowerShell cmdlets should you run to turn the device back over to the Hyper-V host?