Dual DPU support

ThinkAgile VX and ThinkSystem systems

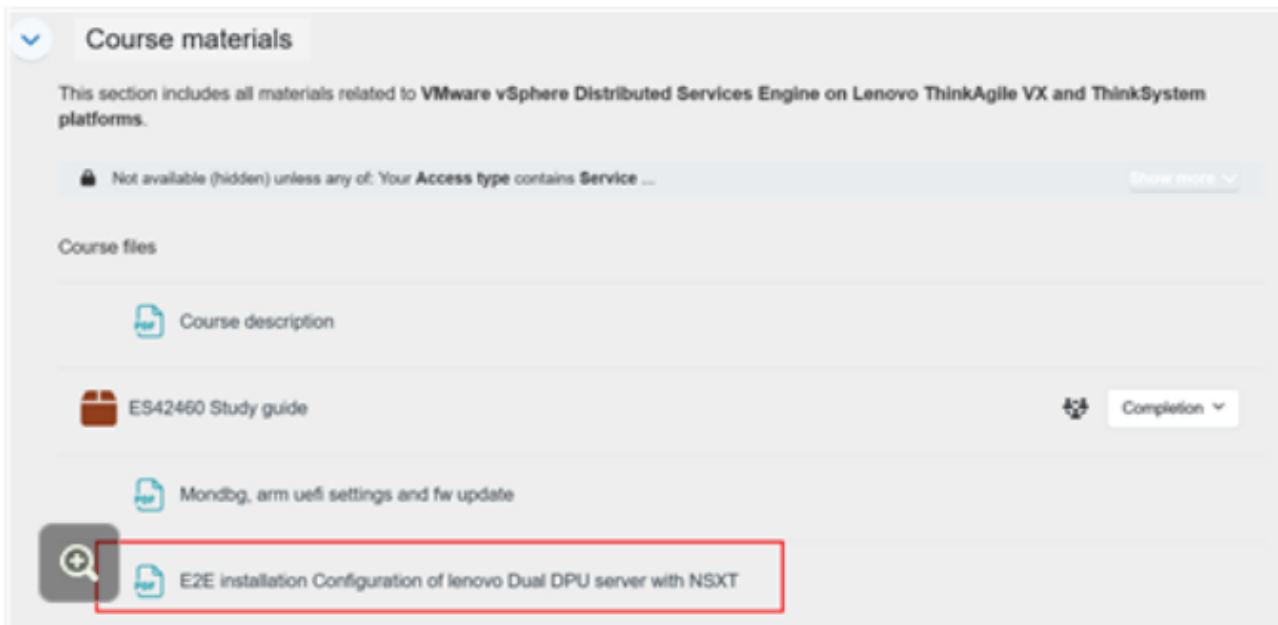
Lenovo

Dual DPU system requirements

- Dual DPU support was introduced in vSphere 8.0u3
- A fresh installation of version 8.0u3 is required – upgrades from 8.0u1 or u2 are not supported
- Only supported on the ThinkSystem SR650 V3 and ThinkAgile VX650 V3 DPU models
- High Availability Modes supported:
  - Active / Standby: Allows redundancy by allowing traffic to failover to the standby card if the Active adapter fails
  - Active / Active: Allows double bandwidth by utilizing both adapters
- Only Certified Code levels can be used
- Up to two DPUs supported per system
- vLCM is the only method supported for updates

Note: vLCM support was added in the Aug/Sept Best Recipe (BR) release.

For more information about a fresh installation of vSphere 8.0u3, select E2E installation_Configuration of lenovo Dual DPU server with NSXT on the course landing page.



Certified firmware level

	XCC	UEFI	DPU (Blue Field 2)	OS
Firmware level	**334K**	**128C**	**NIC FW:** 24.39.2324 **ARM UEFI:** 4.5.2.13183	**VMware-ESXi-8.0U3**

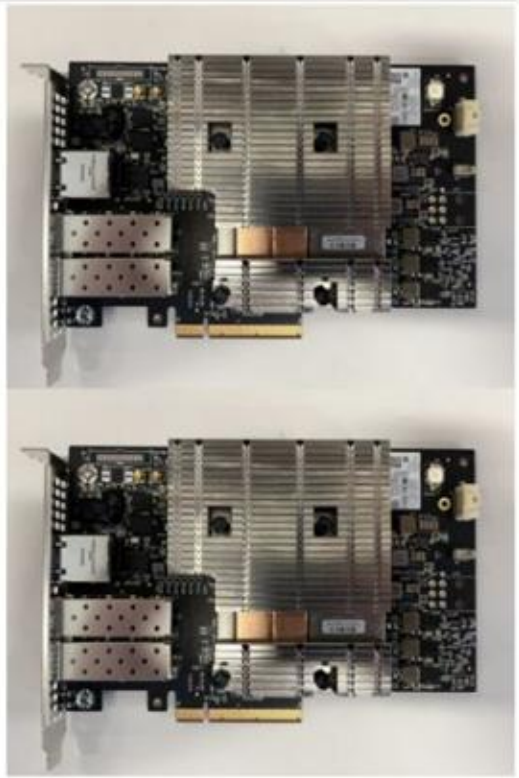
Note: Always refer to the ThinkAgile VX Best Recipe and VMware Compatibility Guide (VCG) for supported code levels. These code levels will support both single and dual DPU configurations for 8.0u3.

Parts required for dual DPU enablement

With the release of vSphere 8.0u3, the Blue Field 2 DPU adapter is automatically detected during installation and no longer has to be manually checked. After a successful installation, the UEFI (ARM) image will automatically be installed to the BlueField 2 adapter and the driver will be installed to the system.

One OCP enablement kit for DSE, feature code BSH7

Two ThinkSystem adapter NC-SI cables – 270 mm



Two Blue Field 2 – DPU adapters

VMware reference links

- Unlock 2x DPU capabilities with vSphere 8.0U3
- Announcing Dual DPU Support in VMware Cloud Foundation 5.2
- Updating ThinkAgile VX environments to Best Recipe levels using LXCI and vLCM