

NVIDIA AI Enterprise

Product Support Matrix

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Chapter 1. Product Support Matrix

Driver package: NVIDIA AI Enterprise 4.2

Validated partner integrations:

Run: Al: 2.5

Domino Data Lab

Details of NVIDIA AI Enterprise support on various hypervisors and bare-metal operating systems are provided in the following sections:

- Amazon Web Services (AWS) Nitro Support
- Azure Kubernetes Service (AKS) Support
- ► Google Cloud Platform (GCP) KVM Support
- Linux with KVM Support
- Red Hat Enterprise Linux with KVM Support
- Red Hat OpenShift Support
- ► SUSE Linux Enterprise Server Support
- Ubuntu Support
- VMware vSphere Support

Amazon Web Services (AWS) Nitro Support

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
 NVIDIA A100 NVIDIA A10G NVIDIA T4 NVIDIA V100 	Amazon Web Services (AWS) Nitro		Ubuntu 22.04 LTSUbuntu 20.04 LTS	containerd	Amazon Elastic Kubernetes Service (EKS)

Azure Kubernetes Service (AKS) Support

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
NVIDIA A100 NVIDIA A10	Azure Hypervisor		Ubuntu 22.04 LTS	containerd	Azure Kubernetes Service (AKS)
NVIDIA T4NVIDIAV100					

Google Cloud Platform (GCP) KVM Support

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
NVIDIA A100NVIDIA T4NVIDIA V100	Google Cloud Platform (GCP) KVM		Ubuntu 22.04 LTSUbuntu 20.04 LTS	containerd	Google Kubernetes Engine (GKE)

Linux with KVM Support

NVIDIA AI Enterprise is supported on Linux with KVM platforms **only** by specific hypervisor software vendors. For information about which NVIDIA AI Enterprise releases and hypervisor software releases are supported, consult the documentation from your hypervisor vendor.

Hypervisor Vendor	Platform	Additional Information			
Nutanix	AHV	Obtain the NVIDIA Virtual GPU Manager software directly from Nutanix through the My Nutanix portal (My Nutanix account required).			
		Note: If the NVIDIA AI Enterprise release that you need is not available from the My Nutanix portal, contact Nutanix.			

Hypervisor Vendor	Platform	Additional Information
		Then follow the instructions on the My Nutanix portal to obtain the correct NVIDIA AI Enterprise graphics drivers from the NVIDIA Licensing Portal.

Red Hat Enterprise Linux with KVM Support



Note: The NVIDIA GPUs listed in the table support NVIDIA AI Enterprise **only** with <u>NVIDIA AI Enterprise compatible</u> servers.

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe 80GB liquid cooled NVIDIA A800 HGX 80GB	Linux with KVM 9.2, 9.0 Red Hat Enterprise Linux with KVM 8.9,	NVIDIA vGPUGPU pass through	PRed Hat OpenShift 4.11 and later using RHCOS	CRI-O	 Red Hat OpenShift 4.11 and later using RHCOS Upstream Kubernetes 1.21 through 1.25
NVIDIA A800 40GB PCIe active cooled NVIDIA AX8001 NVIDIA A100X NVIDIA A100 PCIe			 Red Hat Enterprise Linux 9.2, 9.0 Red Hat Enterprise Linux 8.9, 8.8, 8.6 Red Hat Enterprise Linux 7.9 	Podman	N/A
40GB			MicrosoftWindowsServer	N/A	N/A

The NVIDIA AX800 GPU is supported only on Linux OSes. Windows is **not** supported.

		Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GP	U	Metal OS	Deployment	Support	Engine	Platform
•	NVIDIA A100 HGX 40GB			2022, 2019		
•	NVIDIA A100 PCIe 80GB					
•	NVIDIA A100 PCIe 80GB liquid cooled					
•	NVIDIA A100 HGX 80GB					
•	NVIDIA A40					
•	NVIDIA A30X					
•	NVIDIA A30					
•	NVIDIA A30 liquid cooled					
•	NVIDIA A10					
•	NVIDIA A16					
•	NVIDIA A2					
	NVIDIA H800 PCIe 94GB (H800 NVL)					
	NVIDIA H800 PCIe 80GB					

	Hypervisor	CDU	Curat OC	Comtains	Container
GPU	or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Orchestration Platform
NVIDIA H100 PCIe 94GB (H100 NVL)					
NVIDIA H100 PCIe 80GB					
NVIDIA					
NVIDIA L40S					
NVIDIA					
NVIDIA L4					
► NVIDIA L2					
NVIDIA RTX 6000 Ada					
NVIDIA RTX 5000 Ada					
NVIDIA RTX A6000					
NVIDIA RTX A5500					
NVIDIA RTX A5000					
NVIDIA RTX 6000 passive					
NVIDIA RTX 8000 passive					

GF	PU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
>	NVIDIA T4 NVIDIA V100					
•	NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe 80GB liquid cooled NVIDIA A800 HGX 80GB	 Red Hat Enterprise Linux 9.2, 9.0 Red Hat Enterprise Linux 8.9, 8.8, 8.6 Red Hat Enterprise Linux 7.9 	► Bare metal	N/A	Podman	N/A
•	A800 40GB PCIe active cooled NVIDIA AX8001	Red Hat Enterprise Linux 8.9, 8.8, 8.6	► Bare metal	N/A	containerd	HPE Ezmeral Runtime Enterprise 5.5
•	NVIDIA A100X					
•	NVIDIA A100 PCIe 40GB					
•	NVIDIA A100 HGX 40GB					
•	NVIDIA A100 PCIe 80GB					
•	NVIDIA A100 PCIe 80GB liquid cooled					

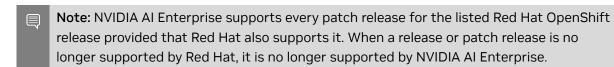
The NVIDIA GH200 Grace Hopper Superchip is supported only in bare-metal deployments on Red Hat Enterprise Linux, SUSE Linux Enterprise Server, and Ubuntu.

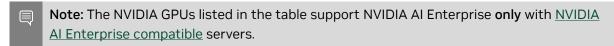
		Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GF	νU	Metal OS	Deployment	Support	Engine	Platform
•	NVIDIA H100 PCle 80GB					
•	NVIDIA H100 SXM5 94GB <u>3</u>					
•	NVIDIA H100 SXM5 80GB <u>3</u>					
•	NVIDIA H100 SXM5 64GB <u>3</u>					
•	NVIDIA L40					
•	NVIDIA L40S					
•	NVIDIA L20					
•	NVIDIA L4					
•	NVIDIA L2					
•	NVIDIA RTX 6000 Ada					
•	NVIDIA RTX 5000 Ada					
•	NVIDIA RTX A6000					
•	NVIDIA RTX A5500					

NVIDIA H100 SXM5 GPUs are supported only in bare-metal deployments on Red Hat Enterprise Linux, SUSE Linux Enterprise Server, and Ubuntu with NVIDIA Datacenter Drivers. NVIDIA vGPU guest drivers are not supported.

GPU		Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
RT	/IDIA TX 5000					
RT	/IDIA TX 6000 sssive					
RT	/IDIA TX 8000 ssive					
► NV	/IDIA T4 /IDIA 00					

Red Hat OpenShift Support





GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
 NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe 80GB liquid cooled NVIDIA A800 HGX 80GB 	Red Hat OpenShift 4.11 and later using RHCOS	► Bare metal	N/A	CRI-O	Red Hat OpenShift 4.11 and later using RHCOS

	Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GPU	Metal OS	Deployment	Support	Engine	Platform
NVIDIA A800 40GB PCIe active cooled					
NVIDIA AX8001					
NVIDIA A100X					
NVIDIA A100 PCIe 40GB					
NVIDIA A100 HGX 40GB					
NVIDIA A100 PCIe 80GB					
NVIDIA A100 PCIe 80GB liquid cooled					
NVIDIA A100 HGX 80GB					
NVIDIA A40					
NVIDIA A30X					
NVIDIA A30					
NVIDIA A30 liquid cooled					
NVIDIA A10					

		Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GF		Metal OS	Deployment	Support	Engine	Platform
•	NVIDIA A16					
•	NVIDIA A2					
•	NVIDIA H800 PCIe 94GB (H800 NVL)					
•	NVIDIA H800 PCIe 80GB					
•	NVIDIA H100 PCIe 94GB (H100 NVL)					
•	NVIDIA H100 PCle 80GB					
•	NVIDIA H100 SXM5 94GB <u>3</u>					
•	NVIDIA H100 SXM5 80GB <u>3</u>					
•	NVIDIA H100 SXM5 64GB <u>3</u>					
•	NVIDIA L40					
•	NVIDIA L40S					
•	NVIDIA L20					
•	NVIDIA L4					

GF	PU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
•	NVIDIA L2					
•	NVIDIA RTX 6000 Ada					
•	NVIDIA RTX 5000 Ada					
•	NVIDIA RTX A6000					
•	NVIDIA RTX A5500					
•	NVIDIA RTX A5000					
•	NVIDIA RTX 6000 passive					
•	NVIDIA RTX 8000 passive					
•	5000					
•	NVIDIA T4					
•	NVIDIA V100					

SUSE Linux Enterprise Server Support



Note: The NVIDIA GPUs listed in the table support NVIDIA AI Enterprise **only** with <u>NVIDIA AI Enterprise compatible</u> servers.

		Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GP	U	Metal OS	Deployment	Support	Engine	Platform
•	NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe	SUSE Linux Enterprise Server 15 SP2+	Enterprise Server 15	containerd	UpstreamKubernetes1.21through1.25	
	80GB liquid cooled				Docker	N/A
•	NVIDIA A800 HGX 80GB					
•	NVIDIA A800 40GB PCIe active cooled	PCle				
•	NVIDIA AX800 <u>1</u>					
•	NVIDIA A100X					
•	NVIDIA A100 PCIe 40GB					
•	NVIDIA A100 HGX 40GB					
•	NVIDIA A100 PCIe 80GB					
•	NVIDIA A100 PCIe 80GB liquid cooled NVIDIA					
	A100 HGX 80GB					

	Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GPU	Metal OS	Deployment	Support	Engine	Platform
NVIDIA A40					
NVIDIA A30X					
NVIDIA A30					
NVIDIA A30 liquid cooled					
NVIDIA					
NVIDIA					
NVIDIA A2					
NVIDIA GH200 Grace Hopper Superchip2					
NVIDIA H800 PCIe 94GB (H800 NVL)					
NVIDIA H800 PCIe 80GB					
NVIDIA H100 PCIe 94GB (H100 NVL)					
NVIDIA H100 PCIe 80GB					
NVIDIA H100					

		Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GP		Metal OS	Deployment	Support	Engine	Platform
	SXM5 94GB <u>3</u>					
•	NVIDIA H100 SXM5 80GB <u>3</u>					
•	NVIDIA H100 SXM5 64GB <u>3</u>					
•	NVIDIA L40					
•	NVIDIA L40S					
•	NVIDIA L20					
•	NVIDIA L4					
•	NVIDIA L2					
•	NVIDIA RTX 6000 Ada					
•	NVIDIA RTX 5000 Ada					
•	NVIDIA RTX A6000					
•	NVIDIA RTX A5500					
•	NVIDIA RTX A5000					
•	NVIDIA RTX 6000 passive					

GI	PU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
•	NVIDIA RTX 8000 passive NVIDIA T4					
	NVIDIA V100					

Ubuntu Support



Note: The NVIDIA GPUs listed in the table support NVIDIA AI Enterprise **only** with <u>NVIDIA AI Enterprise compatible</u> servers.

GPU	J	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
	NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe 80GB liquid cooled NVIDIA	Ubuntu 22.04 LTSUbuntu 20.04 LTS	NVIDIAvGPUGPU passthrough	Ubuntu 22.04 LTSUbuntu 20.04 LTS	containerd	 Upstream Kubernetes 1.21 through 1.25 VMware vSphere with Tanzu 7.0 U3c
 ₹ ₹ ₹ ₹ 	A800 HGX 80GB NVIDIA A800 40GB PCIe active cooled				Docker	N/A
)	NVIDIA AX800 <u>1</u> NVIDIA A100X					

0.5	NI I	Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GF		Metal OS	Deployment	Support	Engine	Platform
•	NVIDIA A100 PCIe 40GB					
•	NVIDIA A100 HGX 40GB					
•	NVIDIA A100 PCle 80GB					
•	NVIDIA A100 PCIe 80GB liquid cooled					
•	NVIDIA A100 HGX 80GB					
•	NVIDIA A40					
•	NVIDIA A30X					
•	NVIDIA A30					
•	NVIDIA A30 liquid cooled					
•	NVIDIA A10					
•	NVIDIA A16					
•	NVIDIA A2					
•	NVIDIA H800 PCIe 94GB (H800 NVL)					

		Hypervisor				Container
GP	υU	or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Orchestration Platform
•	NVIDIA H800 PCIe 80GB NVIDIA H100 PCIe				3	
	94GB (H100 NVL)					
•	NVIDIA H100 PCle 80GB					
•	NVIDIA L40					
•	NVIDIA L40S					
•	NVIDIA L20					
•	NVIDIA L4					
•	NVIDIA L2					
•	NVIDIA RTX 6000 Ada					
•	NVIDIA RTX 5000 Ada					
•	NVIDIA RTX A6000					
•	NVIDIA RTX A5500					
•	NVIDIA RTX A5000					
•	NVIDIA RTX 6000 passive					

		Hypervisor				Container
GP	DI I	or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Orchestration Platform
>	NVIDIA RTX 8000 passive NVIDIA T4 NVIDIA V100	Wetai 03	Deployment	Зарроге	Liigiile	T lactoriii
•	NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe 80GB liquid cooled NVIDIA	▶ Ubuntu 22.04 LTS▶ Ubuntu 20.04 LTS	4 LTS ntu	N/A	containerd	 Upstream Kubernetes 1.21 through 1.25 VMware vSphere with Tanzu 7.0 U3c
•	A800 HGX 80GB NVIDIA				Docker	N/A
	A800 40GB PCle active cooled					
•	NVIDIA AX800 <u>1</u>					
•	NVIDIA A100X					
•	NVIDIA A100 PCle 40GB					
•	NVIDIA A100 HGX 40GB					
•	NVIDIA A100 PCIe 80GB					
•	NVIDIA A100 PCle					

		Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GP	บ	Metal OS	Deployment	Support	Engine	Platform
	80GB liquid cooled					
•	NVIDIA A100 HGX 80GB					
•	NVIDIA A40					
•	NVIDIA A30X					
•	NVIDIA A30					
•	NVIDIA A30 liquid cooled					
•	NVIDIA A10					
•	NVIDIA A16					
•	NVIDIA A2					
•	NVIDIA GH200 Grace Hopper Superchip2					
•	NVIDIA H800 PCIe 94GB (H800 NVL)					
•	NVIDIA H800 PCIe 80GB					
•	NVIDIA H100 PCle 94GB (H100 NVL)					

CD	u i	Hypervisor or Bare-	GPU Doployment	Guest OS	Container	Container Orchestration
GP ▶	NVIDIA H100 PCIe 80GB NVIDIA H100 SXM5 94GB <u>3</u>	Metal OS	Deployment	Support	Engine	Platform
•	NVIDIA H100 SXM5 80GB <u>3</u>					
•	NVIDIA H100 SXM5 64GB <u>3</u>					
•	NVIDIA L40					
•	NVIDIA L40S					
•	NVIDIA L20					
•	NVIDIA L4					
>	NVIDIA L2 NVIDIA RTX 6000 Ada					
•	NVIDIA RTX 5000 Ada					
•	NVIDIA RTX A6000					
•	NVIDIA RTX A5500					

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
NVIDIA RTX A5000					
NVIDIA RTX 6000 passive					
NVIDIA RTX 8000 passive					
NVIDIA T4 NVIDIA V100					

VMware vSphere Support



Note: The NVIDIA GPUs listed in the table support NVIDIA AI Enterprise **only** with <u>NVIDIA AI Enterprise compatible</u> servers.

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
 NVIDIA A800 PCIe 80GB NVIDIA A800 PCIe 80GB liquid cooled NVIDIA 	VMware vSphere Hypervisor (ESXi) Enterprise Plus Edition 8.0 VMware vCenter	NVIDIA vGPUGPU pass through	 SUSE Linux Enterprise Server 15 SP2+ Ubuntu 22.04 LTS Ubuntu 20.04 LTS 	containerd	 Upstream Kubernetes 1.21 through 1.25 VMware vSphere with Tanzu 7.0 U3c
A800 HGX 80GB	Server 8.0			Docker	N/A
NVIDIA A800 40GB PCIe active cooled	VMware vSphere Hypervisor (ESXi) Enterprise Plus		Red Hat OpenShift 4.11 and later using Red Hat	CRI-O	Red Hat OpenShift 4.11 and later using RHCOS

GPU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
NVIDIA AX8001 NVIDIA	Edition 7.0 Update 3 VMware		Linux CoreOS (RHCOS)		
A100X NVIDIA A100 PCIe 40GB NVIDIA A100 HGX 40GB NVIDIA A100 PCIe 80GB NVIDIA	VMware vCenter Server 7.0 Update 3 VMware vSphere Hypervisor (ESXi) Enterprise Plus Edition 7.0 Update 2 VMware vCenter Server 7.0 Update 2	Server 7.0 Update 3 VMware vSphere Hypervisor (ESXi) Enterprise Plus Edition 7.0 Update 2	➤ Red Hat Enterprise Linux 9.2, 9.0 ➤ Red Hat Enterprise Linux 8.9, 8.8, 8.6 ➤ Red Hat Enterprise	Podman	N/A
A100 PCle 80GB liquid cooled NVIDIA		vCenter Server 7.0	Red Hat Enterprise Linux 8.9, 8.8, 8.6	containerd	HPE Ezmeral Runtime Enterprise 5.5
A100 HGX 80GB			MicrosoftWindows	N/A	N/A
NVIDIA A40			Server 2022,		
NVIDIA A30X NVIDIA			≥ Microsoft		
A30 NVIDIA			Windows 11,10		
A30 liquid cooled					
NVIDIA A10					
NVIDIA A16					
NVIDIA A2NVIDIAH800 PCIe					

	Hypervisor or Bare-	GPU	Guest OS	Container	Container Orchestration
GPU	Metal OS	Deployment	Support	Engine	Platform
94GB (H800 NVL)					
NVIDIA H800 PCIe 80GB					
NVIDIA H100 PCIe 94GB (H100 NVL)					
NVIDIA H100 PCIe 80GB					
NVIDIA					
NVIDIA L40S					
NVIDIA					
► NVIDIA L4					
► NVIDIA L2					
NVIDIA RTX 6000					
Ada NVIDIA RTX 5000 Ada					
NVIDIA RTX A6000					
NVIDIA RTX A5500					
NVIDIA RTX A5000					

GF	PU	Hypervisor or Bare- Metal OS	GPU Deployment	Guest OS Support	Container Engine	Container Orchestration Platform
***	NVIDIA RTX 6000 passive NVIDIA RTX 8000 passive NVIDIA T4 NVIDIA					
	V100					

Chapter 2. NVIDIA RAPIDS Accelerator for Apache Spark Support

NVIDIA RAPIDS Accelerator for Apache Spark is a software component of NVIDIA AI Enterprise. It uses NVIDIA GPUs to accelerate Spark data frame workloads transparently, that is, without code changes.

NVIDIA AI Enterprise supports RAPIDS Accelerator for Apache Spark on the following platforms:

- Google Cloud Dataproc
- ▶ <u>Databricks</u> on the following cloud services:
 - Amazon Web Services (AWS)
 - Microsoft Azure
- Amazon EMR (formerly "Amazon Elastic MapReduce")

Chapter 3. NVIDIA AI Enterprise Supported Cloud Services

NVIDIA AI Enterprise is supported on several cloud services with bring-your-own-license (BYOL) licensing. Pay-as-you-go licensing is also available with some cloud services.

- Alibaba
- Amazon Web Services Elastic Compute Cloud (AWS EC2)
- ► Google Cloud Platform (GCP)
- Microsoft Azure
- Oracle Cloud Infrastructure
- ▶ Tencent Cloud



Note: Red Hat Enterprise Linux guest OS support is limited to running containers by using Docker **without** Kubernetes. NVIDIA AI Enterprise features that depend on Kubernetes, for example, the use of GPU Operator, are not supported on Red Hat Enterprise Linux.

3.1. Alibaba

GPU	Supported Alibaba Instances	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA V100	gn6e gn6v	Linatura da Maila aunata a	▶ Ubuntu 22.04
NVIDIA A10	gn7e gn7i	Upstream Kubernetes	▶ Ubuntu 20.04

3.2. Amazon Web Services Elastic Compute Cloud (AWS EC2)

Note: Pay-as-you-go licensing is also available for all supported AWS EC2 instances.

GPU	Supported AWS EC2 Instances	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA T4	All G4 series instances		Red Hat Enterprise Linux 8.4
NVIDIA V100	All C5 series instances	Red Hat Er	Red Hat Enterprise
NVIDIA A10G NVIDIA A100	All G5 series instances All P4d and P4de series instances	Amazon Elastic Kubernetes Service (EKS)	Red Hat OpenShift 4.10 using Red Hat
NVIDIA H100	All P5 series instances	Red Hat OpenShift Upstream Kubernetes Red usin	Red Hat OpenShift 4.9 using Red Hat Linux CoreOS (RHCOS)
			Ubuntu 22.04 Ubuntu 20.04

3.3. Google Cloud Platform (GCP)



Note: Pay-as-you-go licensing is also available for all supported GCP instances.

GPU	Supported GCP Instances	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA A100	All A2 series instances		Red Hat Enterprise
NVIDIA H100 NVIDIA L4	All G2 series instances	Coogle Kubernetes	Linux 8.4 Red Hat Enterprise Linux 7.9
NVIDIA T4		Google Kubernetes Engine (GKE)	Red Hat OpenShift
NVIDIA V100	Any <u>predefined</u> <u>machine type.</u> Any <u>custom machine</u> Red Hat OpenShift Upstream Kubernetes		4.10 using Red Hat Linux CoreOS (RHCOS) Red Hat OpenShift 4.9 using Red Hat Linux
	type that can be created in a zone.		CoreOS (RHCOS) Ubuntu 22.04

GPU	Supported GCP Instances	Certified Container Orchestration Platforms	Supported Guest Operating Systems
			Ubuntu 20.04

3.4. Microsoft Azure



Note: Pay-as-you-go licensing is also available for all supported Microsoft Azure instances, **except** NV_A10_v5 instances.

GPU	Supported Azure Instances	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA V100	All NC v3 and ND v2 instances	Azure Kubernetes Service (AKS)	Red Hat Enterprise Linux 8.4
NVIDIA T4	All NC T4_v3 instances		Red Hat Enterprise Linux 7.9
NVIDIA H100	All ND H100_v5instances		Red Hat OpenShift 4.10 using Red Hat
	All NC A100_v4	Red Hat OpenShift	Linux CoreOS (RHCOS)
NVIDIA A100	instances All ND A100_v4 instances	Upstream Kubernetes	Red Hat OpenShift 4.9 using Red Hat Linux CoreOS (RHCOS)
NVIDIA A10	All NV A10_v5 instances		Ubuntu 22.04 Ubuntu 20.04

3.5. Oracle Cloud Infrastructure



Note: Pay-as-you-go licensing is also available for all supported Oracle Cloud Infrastructure instances.

GPU	Oracle Cloud Infrastructure Shapes	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA V100	All VM.GPU3 shapes	Upstream Kubernetes	Linux:
NVIDIA H100	BM.GPU.H100.8		► Ubuntu 22.04
NVIDIA A100	All BM.GPU4 shapes All BM.GPU.A100-v2 shapes		➤ Ubuntu 20.04 Windows:

GPU	Oracle Cloud Infrastructure Shapes	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA A10	All VM.GPU.A10 shapes		MicrosoftWindows Server2022
			Microsoft Windows Server 2019

3.6. Tencent Cloud

GPU	Supported Tencent Cloud Instances	Certified Container Orchestration Platforms	Supported Guest Operating Systems
NVIDIA V100	GN10Xp		▶ Ubuntu 22.04
NVIDIA A10	PNV4	Upstream Kubernetes	▶ Ubuntu 20.04

3.7. NVIDIA GPU Optimized VMI on CSP Marketplace

For ease of use in the cloud, NVIDIA provides compute optimized and validated base Virtual Machine Instances (VMI) through CSP marketplaces. Each VMI includes key technologies and software from NVIDIA for rapid deployment, management, and scaling of AI workloads in the modern hybrid cloud.

Each VMI has the following software pre-installed:

- ▶ Ubuntu Server 20.04
- NVIDIA driver 525 TRD 525.60.13
- Docker-ce 20.10.12
- NVIDIA Container Toolkit 1.8.1
- NVIDIA Container Runtime 3.8.1

Chapter 4. CPU Only Server Support

NVIDIA AI Enterprise supports deployments on CPU only servers that are part of the NVIDIA Certified Systems list. Customers can deploy both GPU and CPU Only systems with VMware vSphere or Red Hat Enterprise Linux.

NVIDIA AI Enterprise will support the following CPU enabled frameworks:

- TensorFlow
- PyTorch
- ▶ Triton Inference Server with FIL backend
- NVIDIA RAPIDS with XGBoost and Dask

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