



Release: NMC 2.3

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NVIDIA Mission Control 2.3 General Availability

Package / Dependency	Component	Version
Autonomous Hardware Recovery	Mission Control - autonomous hardware recovery (Runbooks)	2.3.26
	Mission Control - autonomous hardware recovery (Software)	29.1.79
Autonomous Job Recovery	Mission Control - autonomous job recovery	1.5.0
DGX OS - Image-Included with NVIDIA Base Command Manager (BCM)	DCGM	4.5.2
	DGX OS	DGX OS 7.4
	DOCA OFED	3.2.1-044411
	GPU Driver	580.126.16
	Kernel - ARM	6.17.0-1008-nvidia-64k
	Kernel - X86_64	6.8.0-90-generic
	nfvwupdate	2.0.9
	nvidia-container-toolkit	1.18.2
	NVSM	25.09.04
	Ubuntu	24.04
DPS	DPS	0.7.10
Launchpad	Launchpad	0.2.13
NMC k8s Security Policies	Calico & Kyverno Policies	2.0.12
NVIDIA Base Command Manager (BCM)	BCM	11.32.0
	Calico	3.31.0
	Enroot	4.0.1
	GPU Operator	25.10.1
	Grafana	3.31.3
	Kubeflow training operator	1.9.3
	Kubernetes	1.34
	MetalLB	0.15.3
	MPI Operator	0.7.0
	Network Operator	25.10
NIM Operator	3.0.2	

Package / Dependency	Component	Version
	Node Exporter	1.9.1
	NVIDIA DRA Driver	25.8
	Prometheus	3.7.3
	Pyxis	0.21.0
	Slurm	25.05
NVIDIA Mission Control	Air-Gap Tool	1.6.2
NVRx	Osiris	0.4.1
Observability Stack	Alloy	1.13.2
	DCGM Exporter	4.2.3-4.1.1
	kube-prometheus-stack	81.5.0
	Loki	3.5.2
	NMC Grafana Visualizations	27.3.2
Run:ai	Run:ai	2.23

DGX GB200/GB300 NVL72 Systems Rack Firmware & SPOD Networking

Package / Dependency	Component	Version
Compute Firmware	Compute FW - GB200	1.3.6
	Compute FW - GB300	1.0.6
Compute nodes equipped with BlueField-3 DPUs	BlueField-3 (BF3) BFB	3.2.1-42_25.11
Compute nodes equipped with CX7/8 network interface cards	ConnectX7(CX7) - GB200	28.47.2526
	ConnectX7(CX7) - GB300	28.47.2526
	ConnectX8(CX8) - GB300	40.47.2526
Firmware	BMC Bundle (BMC+FPGA+ERoT) - GB200	P4978_0004_260127.1.3
	BMC Bundle (BMC+FPGA+ERoT) - GB300	P4093_0004_26127.1.0
	SBIOS Bundle (SBIOS+ERoT) - GB200	P4978_0006_251130.1.0
	SBIOS Bundle (SBIOS+ERoT) - GB300	P4093_0006_251218.1.0
	Switch CPLD Bundle - GB200	P4978_0007_251130.1.2
	Switch CPLD Bundle - GB300	GB300-P4093_0007_251218.1.0
NMX/NetQ	NetQ	5.1.0
NVSwitch NVOS	NVOS Package - GB200	25.02.2553
	NVOS Package - GB300	25.02.4347
PowerShelf Liteon	PMC - Delta - GB200	3.2.4

Package / Dependency	Component	Version
	PMC - Delta - GB300	3.2.4
	PMC - Liteon - GB200	1.3.10
	PMC - Liteon - GB300	1.3.10
	PSU - Delta - GB200	01x04
	PSU - Liteon - GB200	01x01
Quantum XDR (InfiniBand) Switches	IB NVOS version	25.02.6077
Spectrum (Ethernet) Switches	Cumulus OS	5.15
Unified Fabric Manager (UFM) Appliance	UFM XDR AC	2.3.1

DGX B200/B300 FW and Networking (SPOD)

Package / Dependency	Component	Version
BF3_BFB	BlueField-3 (BF3_BFB)	3.2.0-113
Compute Firmware	Compute FW - DGX B200	25.12.1
	Compute FW - DGX B300	25.12.1
	Compute FW - DGX Hx00	25.12.2
Compute nodes equipped with CX network interface cards	ConnectX7 (CX7)	28.47.1088
	ConnectX8 (CX8)	40.47.1088
Quantum NDR/XDR (InfiniBand) Switches	IB NVOS version	25.02.6077
	MLNX-OS	3.12.6000
Spectrum (Ethernet) Switches	Cumulus OS	5.15
Unified Fabric Manager (UFM) Appliance	UFM Enterprise Appliance	1.14.1
	UFM XDR AC	2.3.1

Appendix: Terms and Definitions

AHR: Autonomous Hardware Recovery

AJR: Autonomous Job Recovery

APS: Auto-Resume Policy

ARE: Autonomous Recovery Engine

BCM: Base Command Manager

BMC: Baseboard Management Controller

CMHA: Cluster Management High Availability

CPLD: Complex Programmable Logic Device

CUDA: Compute Unified Device Architecture

cuDNN: CUDA Deep Neural Network Library

DCGM: Data Center GPU Manager

DGX: NVIDIA Deep GPU Xceleration AI Compute System

DNS: Domain Name System

DOCA-Host: DOCA Host Software Package

DOCA-OFED: DOCA-based OpenFabrics Enterprise Distribution

DOCA: Data-Center-on-a-Chip Architecture

DPU: Data Processing Unit

EROT: Embedded Root of Trust

ETCD: Distributed Key-Value Store (Kubernetes)

FACT: Fault Attribution and Characterization Technology

GB200: NVIDIA DGX Grace Blackwell 200 System

GB300: NVIDIA DGX Grace Blackwell 300 System

GDRCopy: GPU Direct Remote Direct Memory Access Copy Library

GDS: GPUDirect Storage

GPU: Graphics Processing Unit

Grafana: Visualization and Dashboarding Platform

HMC: Hardware Management Controller

HTTP: Hypertext Transfer Protocol

K8s: Kubernetes

KPI: Key Performance Indicator

Loki: Log Aggregation System

LTS: Long-Term Support

MFT: Mellanox Firmware Tools

MIG: Multi-Instance GPU

NCCL: NVIDIA Collective Communication Library

NetQ: NVIDIA Network Telemetry and Validation Platform

NIC: Network Interface Card

NMS: Network Management System

NMX: NVIDIA NVLink Management Software

NMX-C: NVIDIA NVLink Management Software (Controller)

NMX-M: NVIDIA NVLink Management Software (Manager)

NMX-T: NVIDIA NVLink Management Software (Telemetry)

nvfwupdate: NVIDIA Firmware Update Tool

NVL72: NVIDIA NVLink Large-Scale Rack Architecture

NVOS: NVLink Operating System

NVRx: NVIDIA Resiliency Extension

NVSM: NVIDIA System Manager

NVSwitch: NVIDIA NVLink Switch

OFED: OpenFabrics Enterprise Distribution

OS: Operating System

PMC: Power Management Controller

Prometheus: Metrics Collection System

PSU: Power Supply Unit

RAS: Run:ai Admission Service

RCS: Run:ai Control Service

RLS: Run:ai Logging Service

RMA: Return Merchandise Authorization

RMB: Run:ai Message Bus

RQS: Run:ai Queueing Service

RTPU: Run:ai Training Processing Unit

Run:ai: AI Workload Orchestration Platform

SBIOS: System Basic Input Output System

SBOM: Software Bill of Materials

SLS: Streaming Log Service

SMR: System Management Read Only Memory

TLS: Transport Layer Security

TSDB: Time-Series Database

TUI: Text User Interface

UFM: Unified Fabric Manager

UI: User Interface

ZTP: Zero-Touch Provisioning