



Exported: July 16, 2026

DGX GBx00_Bx00_SPOD_NMC 2.3.1

Firmware

Component	B200	B300	GB200	GB300	Notes
DGX FW	26.07.1	26.07.1	1.3.10	1.0.10	

Compute Node Firmware

Component	B200	B300	GB200	GB300	Notes
BlueField-3 BFB	3.2.0-113	3.2.0-113	3.2.1-50	3.2.1-50	
DGX SBIOS	1.8.0	01.00.08	02.04.17	2.05.21	
ConnectX-7 Firmware	28.47.2556	28.47.2556	28.47.2556	28.47.2556	
ConnectX-8 Firmware	-	40.47.2556	-	40.47.2556	
BMC	26.06.24	01.01.44	DGX BMC 25.06-C	DGX BMC 25.09-4	

Rack Firmware

Component	B200	B300	GB200	GB300	Notes
PMC Firmware - Delta	-	-	3.2.4	3.2.4	
PMC Firmware - Liteon	-	-	1.3.10	1.3.10	
PSU Firmware - Delta	-	-	01x04	01x04	
NVSwitch NVOS	-	-	25.02.4354	25.02.4354	
Switch CPLD Bundle	-	-	GB200-P4978_0003_260118.1.0	GB300-P4058-0301_0042_25052 0.1.1_custom	
PSU Firmware - Liteon	-	-	01x01	01x01	

Host Software

Cluster Management

Component	B200	B300	GB200	GB300	Notes
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Component	B200	B300	GB200	GB300	Notes
NVIDIA Base Command Manager (BCM)	11.33.1	11.33.1	11.33.1	11.33.1	
nmc-airgap CLI Tool	1.10.0	1.10.0	1.10.0	1.10.0	

OS & Driver & System Stack

Component	B200	B300	GB200	GB300	Notes
DCGM	4.5.2	4.5.2	4.5.2	4.5.2	
Ubuntu	24.04	24.04	24.04	24.04	
nvfwupdate	2.0.9	2.0.9	2.0.9	2.0.9	
nvidia-container-toolkit	1.18.2	1.18.2	1.18.2	1.18.2	
DGX Base OS	DGX OS 7.5	DGX OS 7.5	DGX OS 7.5	DGX OS 7.5	
DGX OS Kernel	6.8.0-101-generic	6.8.0-101-generic	6.17.0-1012-nvidia-64k	6.17.0-1012-nvidia-64k	
DOCA OFED	3.2.1-044413	3.2.1-044413	3.2.1-044413	3.2.1-044413	
GPU Driver	580.126.20	580.126.20	580.126.20	580.126.20	
NVSM	25.09.07	25.09.07	25.09.07	25.09.07	

Network

Component	B200	B300	GB200	GB300	Notes
Quantum NVOS	25.02.6077	25.02.6077	25.02.6077	25.02.6077	
MLNX OS	3.12.6000	3.12.6000	-	-	
UFM Enterprise	1.14.1	1.14.1	-	-	
UFM XDR AC	2.3.1	2.3.1	2.3.1	2.3.1	
Cumulus OS	5.16	5.16	5.16	5.16	

Workload Management

Component	B200	B300	GB200	GB300	Notes
Slurm	25.05	25.05	25.05	25.05	
Enroot	4.1.2	4.1.2	4.1.2	4.1.2	
Pyxis	0.23.0	0.23.0	0.23.0	0.23.0	

Kubernetes

Core & Operators

Component	B200	B300	GB200	GB300	Notes
Kubeflow Training Operator	1.9.3	1.9.3	1.9.3	1.9.3	
Kubernetes	1.34	1.34	1.34	1.34	
MetaLB	0.15.3	0.15.3	0.15.3	0.15.3	
NVIDIA DRA Driver	25.8	25.8	25.8	25.8	
Calico	3.31.5	3.31.5	3.31.5	3.31.5	
GPU Operator	26.3.1	26.3.1	26.3.1	26.3.1	
MPI Operator	0.8.0	0.8.0	0.8.0	0.8.0	
Network Operator	26.1	26.1	26.1	26.1	

Security

Component	B200	B300	GB200	GB300	Notes
NMC Security Policies	2.0.15	2.0.15	2.0.15	2.0.15	

Observability

Component	B200	B300	GB200	GB300	Notes
Alloy	1.13.2	1.13.2	1.13.2	1.13.2	
kube-prometheus-stack	81.5.0	81.5.0	81.5.0	81.5.0	
NMC Grafana Visualizations	27.3.2	27.3.2	27.3.2	27.3.2	
DCGM Exporter	4.5.1-4.8.0	4.5.1-4.8.0	4.5.1-4.8.0	4.5.1-4.8.0	
Grafana	13.0.1	13.0.1	13.0.1	13.0.1	
Grafana Loki	3.6.7	3.6.7	3.6.7	3.6.7	
Node Exporter	1.11.1	1.11.1	1.11.1	1.11.1	
Prometheus	3.11.3	3.11.3	3.11.3	3.11.3	

AI Workload Platform

Component	B200	B300	GB200	GB300	Notes
NIM Operator	3.1.0	3.1.0	3.1.0	3.1.0	
Run:ai	2.25	2.25	2.25	2.25	

Resiliency & Platform Management

Component	B200	B300	GB200	GB300	Notes
Autonomous Hardware Recovery (Runbooks)	2.3.26	2.3.26	2.3.26	2.3.26	
Autonomous Job Recovery (AJR)	1.5.0	1.5.0	1.5.0	1.5.0	
Domain Power Service (DPS)	0.7.10	0.7.10	0.7.10	0.7.10	
NVIDIA Resiliency Extensions (NVRx)	0.4.1	0.4.1	0.4.1	0.4.1	
NetQ	Not Supported	Not Supported	5.1.0	5.1.0	
NMC LaunchPad	0.2.19	0.2.19	0.2.19	0.2.19	
Autonomous Hardware Recovery (Software)	29.1.104	29.1.104	29.1.104	29.1.104	

Appendix: Terms and Definitions

AHR: Autonomous Hardware Recovery	GPU: Graphics Processing Unit	OFED: OpenFabrics Enterprise Distribution
AJR: Autonomous Job Recovery	Grafana: Visualization and Dashboarding Platform	OS: Operating System
APS: Auto-Resume Policy	HMC: Hardware Management Controller	PMC: Power Management Controller
ARE: Autonomous Recovery Engine	HTTP: Hypertext Transfer Protocol	Prometheus: Metrics Collection System
BCM: Base Command Manager	K8s: Kubernetes	PSU: Power Supply Unit
BMC: Baseboard Management Controller	KPI: Key Performance Indicator	RAS: Run:ai Admission Service
CMHA: Cluster Management High Availability	Loki: Log Aggregation System	RCS: Run:ai Control Service
CPLD: Complex Programmable Logic Device	LTS: Long-Term Support	RLS: Run:ai Logging Service
CUDA: Compute Unified Device Architecture	MFT: Mellanox Firmware Tools	RMA: Return Merchandise Authorization
cuDNN: CUDA Deep Neural Network Library	MIG: Multi-Instance GPU	RMB: Run:ai Message Bus
DCGM: Data Center GPU Manager	NCCL: NVIDIA Collective Communication Library	RQS: Run:ai Queueing Service
DGX: NVIDIA Deep GPU Xceleration AI Compute System	NetQ: NVIDIA Network Telemetry and Validation Platform	RTPU: Run:ai Training Processing Unit
DNS: Domain Name System	NIC: Network Interface Card	Run:ai: AI Workload Orchestration Platform
DOCA-Host: DOCA Host Software Package	NMS: Network Management System	SBIOS: System Basic Input Output System
DOCA-OFED: DOCA-based OpenFabrics Enterprise Distribution	NMX: NVIDIA NVLink Management Software	SBOM: Software Bill of Materials
DOCA: Data-Center-on-a-Chip Architecture	NMX-C: NVIDIA NVLink Management Software (Controller)	SLS: Streaming Log Service
DPU: Data Processing Unit	NMX-M: NVIDIA NVLink Management Software (Manager)	SMR: System Management Read Only Memory
EROT: Embedded Root of Trust	NMX-T: NVIDIA NVLink Management Software (Telemetry)	TLS: Transport Layer Security
ETCD: Distributed Key-Value Store (Kubernetes)	nvfwupdate: NVIDIA Firmware Update Tool	TSDB: Time-Series Database
FACT: Fault Attribution and Characterization Technology	NVL72: NVIDIA NVLink Large-Scale Rack Architecture	TUI: Text User Interface
GB200: NVIDIA DGX Grace Blackwell 200 System	NVOS: NVLink Operating System	UFM: Unified Fabric Manager
GB300: NVIDIA DGX Grace Blackwell 300 System	NVRx: NVIDIA Resiliency Extension	UI: User Interface
GDRCopy: GPU Direct Remote Direct Memory Access Copy Library	NVSM: NVIDIA System Manager	ZTP: Zero-Touch Provisioning
GDS: GPUDirect Storage	NVSwitch: NVIDIA NVLink Switch	