



## **Release Notes History**

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# Changes and New Feature History

Feature/Change	Description
Rev. 85.1.2000	
Bring-Up	Added support for automatic configuration and registration of switch trays. For more information, visit the <a href="#">Bring-Up</a> page.
Licensing	Added licensing support, including product evaluation, REST API access restrictions upon license expiration, and automated expiration notifications. For more information, visit the <a href="#">Licensing</a> page.
Alerts Management	Introduced advanced alert management featuring statistical anomaly detection, port status warnings, and configurable webhook receiver notifications. For more information, visit the <a href="#">Alerts Management</a> page.
Key Performance Indicators (KPI)	Enhanced KPI REST API with expanded filter parameters, additional inventory metrics, and clarified access to per-domain data for improved troubleshooting. For more information, visit the <a href="#">Key Performance Indicators (KPI)</a> page.
Rev. 85.1.1000	
Key Performance Indicators (KPI)	Added support for a KPI REST endpoint that provides key performance indicators (KPIs) for monitoring cluster health and enabling quick issue resolution.
Mutual TLS (mTLS)	Removed the requirement for customer-provided certificates during installation. All associated configuration steps and manual input prompts have been eliminated.
Rev. 85.01.0009	
Security Hardening Enhancements	This release contains important reliability improvements and security hardening enhancements. NVIDIA

Feature/Change	Description
	recommends upgrading your system to this release to improve the devices' security and reliability.
Rev. 85.01.0008	
NMX-M Deployment (including HA, Orchestration)	NMX-M is now deployed on top of Kubernetes, enabling advanced High Availability (HA) and service orchestration.
Partition Management	<p>Added support for additional partitions:</p> <ul style="list-style-type: none"> <li>• Get list of partitions</li> <li>• Add new partition</li> <li>• Update partition</li> <li>• Remove partition</li> </ul>
Observability	A log aggregation system has been implemented, allowing for the collection, aggregation, querying, and alerting of logs from NMX-M, NMX-T, NMX-C services, and monitored systems.
User Management	API user authentication has been added: 'ro-user' and 'rw-user' are now used for secure interactions with the NMX-M API.
Air Gap Support - Cluster Mode	Added support for deployment in environments with strict network isolation, allowing organizations to install and use NMX-M without the need for an internet connection.
Bug Fixes	See <a href="#">Bug Fixes</a> .

Feature/Change	Description
Rev. 85.01.0006	
REST Interface	<p>Added additional API endpoints for listing inventory such as Compute Notes, Switch Nodes, Ports and additional operations.</p> <p>For further information, see section <i>REST Interface</i> in the User Manual.</p>
Mutual TLS (mTLS)	Mutual TLS (mTLS), is a security protocol that ensures both the client and server in a network communication authenticate each other using certificates before establishing a connection. This is an enhancement over standard Transport Layer Security (TLS), where only the server is authenticated by the client.

Feature/Change	Description
	For further information, see section <i>Mutual TLS (mTLS) Configuration</i> in the User Manual.
IPv6	<b>[Alpha]</b> Added support for IPv6 protocol.
HTTPS/Authentication Mechanism	In NMX-M, security and user authentication are critical components, achieved through the use of HTTPS and a PAM-based authentication mechanism. HTTPS (Hypertext Transfer Protocol Secure) is employed to protect data transmitted between clients (such as web browsers) and the server. By encrypting this data using SSL/TLS protocols. HTTPS ensures that sensitive information, such as login credentials and personal details, is safeguarded from interception or tampering by unauthorized parties. When a client connects to a server over HTTPS, the server presents a digital certificate, verified by a trusted Certificate Authority (CA). This certificate authenticates the server's identity and establishes a secure connection, ensuring data integrity, confidentiality, and authentication. For further information, see section <i>HTTPS/Authentication Mechanism</i> in the User Manual.

Feature/Change	Description
Rev. 85.01.0004	
General	NMX-M v85.01.0004 is at Engineering Sample level and subject to changes.
Service Management: REST Interface	The REST API Provides endpoints for Service (NMX-T): List, View, Create, Delete NMX services. Each endpoint has its own API, payload, responses, and schema. For more detailed information about our API, including endpoint descriptions, parameters, and examples, please refer to the Swagger UI. For further information, see section <i>REST Interface</i> in the User Manual
Prometheus Endpoint	The NMX-M exposes Prometheus endpoint for telemetry scraping purposes. For further information, see section <i>Prometheus Endpoint</i> in the User Manual

## Unsupported Functionalities/Features

The following are the unsupported features for MNX-M v85.1.0004:

- IPv6

# Bug Fixes History

Internal Ref.	Issue
4176808	<b>Description:</b> Fixed an issue that resulted in the switch-node entity missing the <code>SwitchIDList</code> , a list of switches relevant to that Switch Node.
	<b>Keywords:</b> switch-node, REST-API
	<b>Discovered in Version:</b> 85.1.0006
	<b>Fixed in Release:</b> 85.1.0008
4176806	<b>Description:</b> Fixed an issue that resulted in the switch entity missing the <code>PortIDList</code> , a list of ports relevant to that switch. The switch entity field <code>SwitchNodeID</code> was removed.
	<b>Keywords:</b> switch, REST-API
	<b>Discovered in Version:</b> 85.1.0006
	<b>Fixed in Release:</b> 85.1.0008
4176805	<b>Description:</b> Fixed an issue that resulted in the chassis entity missing the <code>ComputeNodeIDList</code> , a list of compute-nodes relevant to that chassis and the <code>SwitchNodeIDList</code> , a list of switch-nodes relevant to that chassis.
	<b>Keywords:</b> chassis, compute-node, switch-node, REST-API
	<b>Discovered in Version:</b> 85.1.0006
	<b>Fixed in Release:</b> 85.1.0008
4176803	<b>Description:</b> Fixed an issue that resulted in the GPU entity missing the <code>PortIDList</code> , a list of ports relevant to that GPU. The GPU entity field <code>HostName</code> was removed.
	<b>Keywords:</b> GPU, REST-API
	<b>Discovered in Version:</b> 85.1.0006
	<b>Fixed in Release:</b> 85.1.0008

Internal Ref.	Issue
4176540	<b>Description:</b> Fixed an issue that prevented the Domain UUID filter from being applied to the services in progress.
	<b>Keywords:</b> services, REST-API
	<b>Discovered in Version:</b> 85.1.0006
	<b>Fixed in Release:</b> 85.1.0008

3963239	<b>Description:</b> UpSince remains unchanged when the service transitions from Down to Up.
	<b>Keywords:</b> Service registration
	<b>Discovered in Version:</b> 85.1.0004
	<b>Fixed in Release:</b> 85.1.0006
3936942	<b>Description:</b> After deleting a service, the status might not be displayed as DRAINING.
	<b>Keywords:</b> Service registration
	<b>Discovered in Version:</b> 85.1.0004
	<b>Fixed in Release:</b> 85.1.0006

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