Additional License Authorizations

For Network Operations Management software products

This Additional License Authorizations document ("ALA") set forth the applicable License Options and additional specific software license terms that govern the authorized use of the software products specified below, and are part of the applicable agreement (i.e., Micro Focus End User License Agreement; and/or any separate agreement that grants Licensee a license to such products (e.g., Customer Portfolio Terms or other Master Agreement); and/or Quotation) (the "Applicable Agreement"). Capitalized terms used but not defined herein shall have the meanings set forth in the Applicable Agreement. All products below are delivered electronically, unless otherwise agreed, and as such, any inconsistent terms that are stated on a purchase order or any other document issued by Customer, are void.

Products and Suites covered

Products	Non-production software class *	Term License Non-production software class (if available) *
Intelligent Management Center for Network Node Manager i	Class 1	Class 3
Network Automation (NA)	Class 2 **	Class 3
Network Automation (NA) Express Edition	Class 1	Class 3
Network Automation (NA) Premium Edition	Class 1	Class 3
Network Automation (NA) Ultimate Edition	Class 1	Class 3
Network Node Manager (NNM) Express Edition	Class 1	Class 3
Network Node Manager (NNM) Premium Edition	Class 1	Class 3
Network Node Manager (NNM) Ultimate Edition	Class 1	Class 3
Network Node Manager i (NNMi)	Class 2	Class 3
Network Node Manager i Advanced	Class 2	Class 3
Network Node Manager i Express Edition	Class 1	Class 3
Network Node Manager i Premium Edition	Class 1	Class 3
Network Node Manager i Ultimate Edition	Class 1	Class 3
Network Node Manager i Smart Plug-in for IP Telephony	Class 2	Class 3
Network Node Manager i Smart Plug-in for MPLS	Class 2	Class 3
Network Node Manager i Smart Plug-in for IP Multicast	Class 2	Class 3
Network Node Manager i Smart Plug-in for Network	Class 2	Class 3
Network Node Manager i Smart Plug-in for Performance	Class 2	Class 3
Network Node Manager i Smart Plug-in Network Engineering Toolset	Class 2	Class 3
Network Node Manager i Smart Plug-in Performance for Metrics	Class 2	Class 3
Network Node Manager i Smart Plug-in Performance for Traffic	Class 2	Class 3
Network Node Manager i Smart Plug-in Performance for Quality Assurance	Class 2	Class 3
Network Node Manager i Integration Enablement	Class 2	Class 3
Network Node Manager i Integration Module for NetCool	Class 2	Class 3
Network Node Manager i Software Developer Toolkit	Class 2	Class 3

Suites	Non-production software class[*]	Term License Non-production software class (if available) [*]
Network Operations Management (NOM) Suite Express Edition	Class 1	Class 3
Network Operations Management (NOM) Suite Premium Edition	Class 1	Class 3
Network Operations Management (NOM) Suite Ultimate Edition	Class 1	Class 3

[*] Additional licenses solely for non-production use may be available as specified in the Non-Production Licensing Guide found at **opentext.com/about/legal/software-licensing** depending on the non-production software class specified above. Any such non-production licenses will be subject to the Non-Production Licensing Guide and the applicable License Option terms and conditions set forth in this ALA.
[**] The Network Automation family of products which were generally available up until December 2009 are Class 1 products.

Definitions

Term	Definition
Automation Insights	Means a capability that provides valuable awareness regarding network automation activities to manage the environment.
Base Template	Means an amount of NNM iSPI Points required for specific NNM iSPIs to be operational at a basic level. The specific amount varies depending on the specific NNM iSPI. More NNM iSPI Points are required for these NNM iSPIs to be fully functional to provide services such as data collection and analysis.
Clustered Computer	Means a group of servers or other resources that act like a single system and enable high availability and in some cases, load balancing and parallel processing.
Core	Means the Server side component of software. Is typically complemented by an Agent component.
Deep Monitoring	Means a capability that provides network function-related observability for certain types of Devices.
Device	Means an addressable entity, physical or virtual, including but not limited to router, switch, bridge, hub, server, PC, laptops, handheld device or printer that resides within the range defined for interrogation and asset tracking.
Endpoint	Means Devices that are connected to the network directly or indirectly. Endpoint examples include servers, virtual machines, network-attached storage, or clients on the Internet.
Endpoint Group (EPG)	Means a logical entity that contains a collection of Endpoints that offer services such as workload processing on the network.
Firewall	Means a network security Device that monitors and filters incoming and outgoing network traffic based on an organization's previously established security policies
Global Network Management (GNM)	Means an NNMi environment of multiple NNMi Management Stations, where at least one NNMi Global Manager is receiving information from one or more NNMi Regional Managers.
Instance	Means each implementation of the application installed on a Server.
IP Phone	Means a dedicated network Device that converts voice into Internet Protocol ("IP") packets for telephone service, and are discovered through a Voice over Internet Protocol ("VoIP") call controller.
Mesh	Means a collection of two or more NA Cores that are replicating data with each other.
NA Node	Means a managed Device (module) that has its own configuration for the purpose of being managed by Network Automation (NA). Note: Network Devices and Nodes are not always the same thing e.g. a switch (one Network Device) may have three nodes: one switching card, one routing card and one backup routing card.
NA Endpoint Node	Means Server Operating System Instance (OSI), Virtual Machines, or vSwitches, which can be managed by the Network Automation.

Term	Definition
NetDevOps	Means a feature that combines network engineering, development, and operations to improve network management's efficiency, agility, and reliability.
Network Automation (NA) Horizontal Scalability	Means two or more NA Cores connected as a Mesh to a common database.
Network Automation (NA) MultiMaster	Means two or more NA Cores connected as a Mesh each with their own dedicated database.
Network Edge Observer	Means a software component that integrates with an NNMi Management Station and provides network discovery, monitoring, and management without requiring a local graphical user interface.
NNM End Point Node	Means Server Operating System Instance (OSI), Ping-Only Devices, or IP Phone, which can be discretely monitored by the Network Node Manager.
NNM Global Manager	Means a NNM Management Station which functions in the role or receiving and consolidating information from one or more NNM Regional Manager(s).
NNM Management Station	Means the software component of the Network Node Manager software product that constitutes the central entity, where all messages are received, processed, stored and forwarded to the operator GUI.
NNM Node	Means a collection of network interfaces that the NNM Management Station software can pragmatically associate together.
NNM Regional Manager	Means a NNM Management Station which supplies information to NNM Global Managers.
NNMi Global Manager	Means a NNMi Management Station which functions in the role or receiving and consolidating information from one or more NNMi Regional Manager(s).
NNM iSPI Node	Means the collection of network interfaces that the NNMi Management Station software can pragmatically associate together for the purpose of being managed by NNMi Smart Plug-Ins.
NNM iSPI Point	Means a Base Template or metric you can manage by NNMi Smart Plug-Ins.
NNMi Management Station	Means the software component of the Network Node Manager i software product that constitutes the central entity, where all messages are received, processed, stored and forwarded to the operator GUI.
NNMi Node	Means a collection of network interfaces that the NNMi Management Station software can pragmatically associate together.
NNMi End Point Node	Means Server Operating System Instance (OSI), Ping-Only Devices, or IP Phone, which can be discretely monitored by the Network Node Manager.
NNMi Regional Manager	Means a NNMi Management Station which supplies information to NNMi Global Managers.
NOM Endpoint Node	Means Server Operating System Instance (OSI), Ping-Only device, vSwitch or IP Phone which can be discretely monitored but not configured by the Network Operations Management Suite.
NOM Node	Means a discovered network element which can be discretely configured or monitored for the purpose of being managed by Network Operations Management Suite. NOM Node Examples include Router, Switch, Firewall, Load Balancer, etc.
Non-SNMP enabled Virtual Machines	Means OS images hosted on a hypervisor that do not implement a Simple Network Management Protocol ("SNMP") management agent, and are discovered through an exposed API on the hypervisor.
Operating System Instance *or* OS Inst *or* OSI	Means each implementation of the bootable program that can be installed onto a physical system or a partition, such as system virtual machines, virtual environments, virtual private servers, containers, guests and zones within the physical system. A physical system can contain multiple Operating System Instances. A container means a system partition based on software rather than hardware. Guests means a VM system running on a host system where the host runs its own complete OS Instance (as opposed to a hypervisor), like VMware Workstation. Zone means Oracle/Sun Solaris specific nomenclature for a software partition which can run a virtual OS instance including but not limited to Sparse, native, and ipkg.

Term	Definition
Ping-only Devices	Means non-snmp network Devices that are only monitored for reachability via internet control message protocol (ICMP).
Points	Means the numerical tracking system representing the total number of metrics you are authorized to execute.
QA Probe	Means an agent based probe which generates specific type of network traffic in a continuous, reliable, and predictable manner for measuring end to end network performance like jitter, latency and packet loss.
Reporting	Means a platform which leverages the cross-domain data in the data lake to provide reporting and dashboarding across systems, networks, and applications including report automation for unique insights. It has a common data model and a shared repository.
Satellite	Means gateway software that interoperates with a standard Core or a Non-Production Core.
Software Defined Network (SDN)	Means an approach to networking that uses software-based controllers or Application Programming Interfaces to communicate across an underlying network.
Software Defined Wide Area Networks (SD-WAN)	Means an approach to Wide Area Networking that uses software-based controllers or Application Programming Interfaces to communicate across an underlying Wide Area Network.
Server	Means any designated computer system in which an Instance or Instances of the software is installed.
Site-to-Site Tunnel	Means a private connection that provides connectivity between two sites.
vSwitch	Means a software application that allows communication between virtual machines.
Virtual Machine	Means OS images hosted on a hypervisor, and discovered through an exposed API on the hypervisor.
VPN Tunnel	A VPN Tunnel is a secure, encrypted communication path created and managed through a Firewall to protect data exchange between networks or Devices over untrusted networks like the internet.
Wireless Access Point	Means a network Device that allows wireless Devices to connect to the wired network.
Wireless Controller	Means a device that monitors and manages Wireless Access Points

Name Change Notification

We are simplifying our portfolio and renaming our products to make it easier for you to understand and find our solutions. These new names will be effective starting November 1, 2024. The table below show the mapping of product names

Previous Name	New Name (effective November 01, 2024)
Network Automation	OpenText™ Network Automation
Network Node Manager i (NNMi)	OpenText™ Network Node Manager
Network Operations Management (NOM)	OpenText™ Network Operations Management

This document might use both the names interchangeably.

License Options

The following License Options are the types of licenses available for a given software product as further specified in this ALA. The applicable License Option for a license shall be as set forth in the Applicable Agreement or Product Order. Those products with only one License Option available shall be governed by such License Option whether or not stated in the Applicable Agreement or Product Order unless otherwise agreed in writing between Licensee and Licensor.

NA Core License

Licensed Software provided under this License Option gives Licensee the right to install or access the Licensed Software on the Server side component of software. An NA Core License must be used together with a separate set of NA Node Licenses.

NA Node License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a managed Device (module) that has its own configuration for the purpose of being managed by Network Automation. One NA Node license includes management of one NA Node or ten NA Endpoint nodes (included in Network Automation 2023.05 or later versions). Note: Network Devices and nodes are not always the same thing e.g., a switch (one Network Device) may have three nodes: one switching card, one routing card and one backup routing card.

NA Satellite License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software to interoperate with a Network Automation Server.

NNM iSPI Node License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a collection of network interfaces that the NNMi Management Station software can pragmatically associate together for the purpose of being managed by NNMi Smart Plug-Ins.

NNM iSPI Points License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with the Base Templates and metrics further specified below for the purpose of being managed by NNMi Smart Plug-Ins.

NNMi Node License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a collection of network interfaces that the NNMi Management Station software can pragmatically associate together. One NNMi Node license includes monitoring of one NNMi Node or ten NNMi Endpoint nodes (included in Network Node Manager 2023.05 or later versions)

Operations Bridge Reporter Node or OBR Node License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a real or virtual computer system, or a Device (for example printer, router or bridge) in a network for the purpose of reporting by Operations Bridge Reporter.

NOM Unit License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software on a rationalized unit of licensing that provides entitlement to multiple metrics in a pre-defined ratio. This licensing unit enables a customer to purchase entitlement as units and apply it to any of the underlying metrics defined by the unit. See software specific license terms below for the Network Operations Management Suite for more details.

NNM Unit License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a collection of network interfaces that the NNM Management Station software can pragmatically associate together. NNM Unit License is a rationalized unit of licensing that provides entitlement to multiple metrics in a pre-defined ratio, for example: One NNM Unit License includes monitoring of one NNM Node. This licensing unit enables a customer to purchase entitlement as units and apply it to any of the underlying metrics defined by the unit. For more details, see the software-specific license terms below for the Network Node Manager product.

NNMi Unit License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a collection of network interfaces that the NNMi Management Station software can pragmatically associate together. NNMi Unit License is a rationalized unit of licensing that provides entitlement to multiple metrics in a pre-defined ratio, for example: One NNMi Unit License includes monitoring of one NNMi Node. This licensing unit enables a customer to purchase entitlement as units and apply it to any of the underlying metrics defined by the unit. For more details, see the software-specific license terms below for the Network Node Manager product.

NA Unit License

Licensed Software provided under this License Option gives Licensee the right to install and use the Licensed Software with a managed Device (module) that has its own configuration for the purpose of being managed by Network Automation. NA Unit License is a rationalized unit of licensing that provides entitlement to multiple metrics in a pre-defined ratio, for example One NA Unit License includes management of one NA Node. This licensing unit enables a customer to purchase entitlement as units and apply it to any of the underlying metrics defined by the unit. For more details, see the software-specific license terms below for the Network Automation product.

Software Specific License Terms

Intelligent Management Center for Network Node Manager i

Intelligent Management Center for Network Node Manager i is licensed by NNMi Node License. For the purposes of Intelligent Management Center for Network Node Manager i, a node is an NNMi Node. An Intelligent Management Center for Network Node Manager i software product is licensed for use on a single computer or Clustered Computer. The reference to NNMi Node reflects the number of NNMi Nodes that the Licensee may concurrently monitor. Intelligent Management Center for Network Node Manager i does not include Vertica.

Network Automation, Network Automation Express Edition, Network Automation Premium Edition, Network Automation Ultimate Edition

Network Automation Express Edition, Network Automation Premium Edition, and **Network Automation Ultimate Edition** are licensed by NA Unit license beginning September 2023. For the purposes of the Network Automation software products, a node means an NA Node. Network Automation Express Edition does not include OS upgrades and configuration change ability. Network Automation Express Edition and Network Automation Premium Edition licenses do not include policy compliance related features.

A license to version 2020.08 and later of Network Automation Premium Edition and Network Automation Ultimate Edition includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

The software specific license terms below only apply to Network Automation NA Unit Licenses purchased after December 2009, Network Automation Express Edition NA Unit Licenses, Network Automation Premium Edition NA Unit Licenses, and Network Automation Ultimate Edition NA Unit Licenses, i.e., class 1 products. The quantity of Network Automation Unit Licenses purchased must be greater than or equal to the total number of nodes or Units being managed. Each Network Automation Server managing nodes in a production environment must have NA Unit Licenses. There is no license quantity

restriction on the number of nodes configurable on a Network Automation Server. Consult the Network Automation product guide for specific node limits on the product due to hardware capacity constraints.

Duplicate copies of production NA Unit License are used on two or more NA Servers to enable use of either NA Horizontal Scalability capabilities. NA Unit License must be used in equal quantities for each NA Server participating in NA Horizontal Scalability.

Unique non-production NA Unit License are used on any additional NA Server beyond the first NA Server to enable use of NA Horizontal Scalability. Non-production NA Unit License must be used in equal quantities for each additional NA Server participating in NA Horizontal Scalability as well as in equal quantities of NA Unit License used on the first NA Server.

Non-Production Dev Test Licenses require the previous purchase of the equivalent or greater production licenses. Support for Non-Production Dev Test Licenses is restricted to the period of and current status of the equivalent production license. Production and Non-Production Node Licenses may require the use of non-Micro Focus third party databases that are not included as part of the NA Node License.

A Network Automation Satellite License permits a separate Server to act as an intermediary point for sending and receiving Network Automation traffic to/from NA Nodes to the NA Server and also adds the ability to handle NA Nodes with duplicate IP addresses.

You shall install and use Network Automation only as a complete product and may not use portions of such software on a standalone basis separate from Network Automation

Network Automation purchased prior to December 2009 is licensed by NA Core License and by NA Node License. **Network Automation** purchased between December 2009 and December 2013 is licensed by NA Node License per Core. **Network Automation Premium Edition** and **Network Automation Ultimate Edition** purchased till August 2023 are licensed by NA Node License and licensed by NA Unit license beginning September 2023. For the purposes of the Network Automation software products, a node means an NA Node. Network Automation Premium Edition licenses do not include policy compliance related features.

Only Licensees with active support contracts for Network Automation, Network Automation Premium Edition and Network Automation Ultimate Edition who have installed BSA Essentials reporting software prior to December 20, 2015, will be entitled to use BSA Essentials in conjunction with these Network Automation software products until the obsolescence dates for BSA Essentials posted on the Support link at **opentext.com**.

A license to version 2020.02 and earlier of Network Automation, Network Automation Premium Edition and Network Automation Ultimate Edition includes the use of Operations Bridge Reporter Standard Edition (version 10.40 and prior) until the obsolescence date for Operations Bridge Reporter Standard Edition posted on the Support link at **opentext.com**. Operations Bridge Reporter is licensed by OBR Node. Each OBR Node represents 10 NA Nodes and includes reporting, collection and customization for Network Automation reports only. This Operations Bridge Reporter Standard Edition License can only be used in conjunction with these Network Automation software products.

The software specific license terms below only apply to Network Automation NA Node Licenses purchased prior to December 2009, Network Automation Premium Edition NA Node Licenses, Network Automation Ultimate Edition NA Node Licenses, Network Automation Express Edition NA Unit Licenses, Network Automation Premium Edition NA Unit Licenses, and Network Automation Ultimate Edition NA Unit Licenses, i.e., class 1 products. The quantity of Network Automation NA Node Licenses or NA Unit Licenses purchased must be greater than or equal to the total number of nodes or Units being managed. Each Network Automation Server managing nodes in a production environment must have NA Node Licenses or NA Unit Licenses. There is no license quantity restriction on the number of nodes configurable on a Network Automation Server. Consult the Network Automation product guide for specific node limits on the product due to hardware capacity constraints.

Duplicate copies of production NA Node Licenses or NA Unit License are used on two or more NA Servers to enable use of either NA Horizontal Scalability or NA MultiMaster capabilities. NA Node Licenses or NA Unit License must be used in equal quantities for each NA Server participating in NA Horizontal Scalability or NA MultiMaster. Network Automation purchased prior to December 2009 additionally requires NA Core Licenses for NA Horizontal Scalability or NA MultiMaster.

The software specific license terms below only apply to Network Automation NA Node Licenses purchased between December 2009 and December 2013, i.e. class 2 products, and not to Network Automation NA Node Licenses purchased prior to December 2009, Network Automation Premium Edition NA Node Licenses, Network Automation Ultimate Edition NA Node Licenses, Network Automation Express Edition NA Unit Licenses, Network Automation Premium Edition NA Unit Licenses, and Network Automation Ultimate Edition NA Unit Licenses, i.e. class 1 products. The quantity of Network Automation NA Node Licenses purchased must be greater than or equal to the total number of nodes being managed. Each Network Automation Server managing nodes in a production environment must have separate NA Node Licenses. There is no license quantity restriction on the number of nodes configurable on a Network Automation Server. Consult the Network Automation product guide for specific node limits on the product due to hardware capacity constraints.

Unique non-production NA Node Licenses or NA Unit License are used on any additional NA Server beyond the first NA Server to enable use of either NA Horizontal Scalability or NA MultiMaster capabilities. Non-production NA Node Licenses or NA Unit License must be used in equal quantities for each additional NA Server participating in NA Horizontal Scalability or NA MultiMaster as well as in equal quantities of NA Node Licenses or NA Unit License used on the first NA Server.

Non-Production Dev Test Licenses require the previous purchase of the equivalent or greater production licenses. Support for Non-Production Dev Test Licenses is restricted to the period of and current status of the equivalent production license. Production and Non-Production Node Licenses require the use of non-Micro Focus third party databases that are not included as part of the NA Node License.

A Network Automation Satellite License permits a separate Server to act as an intermediary point for sending and receiving Network Automation traffic to/from NA Nodes to the NA Server and also adds the ability to handle NA Nodes with duplicate IP addresses.

You shall install and use Network Automation only as a complete product and may not use portions of such software on a standalone basis separate from Network Automation.

Product	Offering Includes
Network Automation Express Edition 1 Unit License	One of the following: ▪ 1 Node of Network Automation Express Edition or ▪ 2 licensed NA nodes enabled for the NetDevOps feature (with Network Automation 24.2 and later release) or 2 licensed NA nodes enabled for the Automation Insights feature (with Network Automation 24.2 and later release)
Network Automation Premium Edition 1 Unit License	One of the following: ▪ 1 Node of Network Automation Premium Edition or ▪ 2 licensed NA nodes enabled for the NetDevOps feature (with Network Automation 24.2 and later release) or 2 licensed NA nodes enabled for the Automation Insights feature (with Network Automation 24.2 and later release)
Network Automation Ultimate Edition 1 Unit License	One of the following: ▪ 1 Node of Network Automation Ultimate Edition or ▪ 2 licensed NA nodes enabled for the NetDevOps feature (with Network Automation 24.2 and later release) or 2 licensed NA nodes enabled for the Automation Insights feature (with Network Automation 24.2 and later release)

Network Node Manager (NNM) Express Edition, Network Node Manager (NNM) Premium Edition, Network Node Manager (NNM) Ultimate Edition

Network Node Manager Express Edition, Network Node Manager Premium Edition, and **Network Node Manager Ultimate Edition** are licensed by NNM Unit License. For the purposes of the Network Node Manager software products, a node means an NNM Node. The Network Node Manager software products are licensed for use on a single computer or Clustered Computer. NNM Nodes are only counted by the local NNM Management Station. If they are replicated to a remote NNM Management Station, they do not count against the license of the remote NNM Management Station.

A license to version 2020.08 and later of **Network Node Manager Premium Edition**, and **Network Node Manager Ultimate Edition** includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

A license to version 2023.05 and later of Network Node Manager Ultimate Edition includes Operations Orchestration. The bundled Operations Orchestration within version 2023.05 and later of Network Node Manager can be used through invocation only from NNM components. This usage is available only for network process orchestration use cases within the context of an NNM Node. For other use cases, such as general-purpose IT Process Orchestration, Operations Orchestration Suite Add-on License must be purchased separately to allow for unrestricted usage.

Product	Offering includes
Network Node Manager Express Edition 1 Unit License	One of the following: ■ 1 Node of Network Node Manager Express Edition or ■ 10 IP Phones or ■ 10 Non-SNMP enabled Virtual Machines (or 10 NNM Endpoint Nodes included in Network Node Manager 2018.08 or later releases) or ■ 4 Endpoints where reporting is enabled or ■ 2 SDN End Point Groups (with Network Node Manager 23.4 or later releases) or ■ 1/15 Firewall with Firewall Deep Monitoring enabled (with Network Node Manager 25.3 and prior release) or ■ 1 Firewall with Firewall Deep Monitoring enabled [includes up to 10 VPN Tunnels] (with Network Node Manager 25.4 and later releases) or ■ 10 VPN Tunnels beyond the tunnels already covered under Firewall Deep Monitoring (with Network Node Manager 25.4 and later releases) or ■ 1 Wireless Access Point with Wireless Deep Monitoring (with Network Node Manager 24.2 and later release) or ■ 1/10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.3 and prior release) or ■ 10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.4 and later release)
	Any object monitored via the Network Edge Observer will consume 1.1 times the NNM Unit consumption when monitored directly by NNM. For example, if a NNM Node monitored by NNMi consumes 1 NNM Unit, the same NNM Node will now consume 1.1 NNM Units if it is monitored via the Network Edge Observer.
	200 Units are consumed to enable SDWAN Overlay monitoring feature (with Network Node Manager 25.4 and later release)

Product	Offering includes
Network Node Manager Premium Edition 1 Unit License	One of the following: ▪ For a license to version 2022.11 and earlier, One (1) Node of Network Node Manager i Ultimate Edition without IP Telephony, IP Multicast or MPLS Monitoring or the orchestration capability in the Network Node Manager i Smart Plug-In Network Engineering Toolset. For a license to version 2023.05 and later, One (1) Node of Network Node Manager Premium Edition or ▪ 10 IP Phones or ▪ 10 Non-SNMP enabled Virtual Machines (or 10 NNM Endpoint Nodes included in Network Node Manager 2018.08 or later releases) or ▪ 4 Endpoints where reporting is enabled or ▪ 2 SDN End Point Groups (only with Network Node Manager 23.4 or later releases) or ▪ 1/15 Firewall with Firewall Deep Monitoring enabled (with Network Node Manager 25.3 and prior release) or ▪ 1 Firewall with Firewall Deep Monitoring enabled [includes up to 10 VPN Tunnels] (with Network Node Manager 25.4 and later release) or ▪ 10 VPN Tunnels beyond the tunnels already covered under Firewall Deep Monitoring (with Network Node Manager 25.4 and later release) or ▪ 1 Wireless Access Point with Wireless Deep Monitoring (with Network Node Manager 24.2 and later release) or ▪ 1/10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.3 and prior release) or ▪ 10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.4 and later release) or Any object monitored via the Network Edge Observer will consume 1.1 times the NNM Unit consumption when monitored directly by NNMi. For example, if a NNM Node monitored by NNMi consumes 1 NNM Unit, the same NNM Node will now consume 1.1 NNM Units if it is monitored via the Network Edge Observer. 200 Units are consumed to enable SDWAN Overlay monitoring feature (with Network Node Manager 25.4 and later release)
Network Node Manager Ultimate Edition 1 Unit License	One of the following: ▪ 1 Node of Network Node Manager Ultimate Edition or ▪ 10 IP Phones or ▪ 10 Non-SNMP enabled Virtual Machines (or 10 NOM Endpoint Nodes included in Network Operations Management 2018.08 or later releases) or ▪ 4 Endpoints where reporting is enabled or ▪ 2 SDN End Point Groups (with Network Node Manager 23.4 or later releases) or ▪ 1/15 Firewall with Firewall Deep Monitoring enabled (with Network Node Manager 25.3 and prior release) or ▪ 1 Firewall with Firewall Deep Monitoring enabled [includes up to VPN Tunnels] (with Network Node Manager 25.4 and later release) or ▪ 10 VPN Tunnels beyond the tunnels already covered under Firewall Deep Monitoring (with Network Node Manager 25.4 and later release) or ▪ 1 Wireless Access Points with Wireless Deep Monitoring (with Network Node Manager 24.2 and later release) or ▪ 1/10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.3 and prior release) or ▪ 10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.4 and later release) or Any object monitored via the Network Edge Observer will consume 1.1 times the NNM Unit consumption when monitored directly by NNM. For example, if a NNM Node monitored by NNM consumes 1 NNM Unit, the same NNM Node will now consume 1.1 NNM Units if it is monitored via the Network Edge Observer. 200 Units are consumed to enable SDWAN Overlay monitoring feature (with Network Node Manager 25.4 and later release)

Network Node Manager i, Network Node Manager i Advanced, Network Node Manager i Express Edition, Network Node Manager i Premium Edition, Network Node Manager i Ultimate Edition

Network Node Manager i (also referred to as Network Node Manager i Standard), **Network Node Manager i Advanced**, **Network Node Manager i Express Edition, Network Node Manager i Premium Edition,** and **Network Node Manager i Ultimate Edition** are licensed by NNMi Node License or NNMi Unit License. For the purposes of the Network Node Manager i software products, a node means an NNMi Node. The Network Node Manager i software products are licensed for use on a single computer or Clustered Computer. NNMi Nodes are only counted by the local NNMi Management Station. If they are replicated to a remote NNMi Management Station, they do not count against the license of the remote NNMi Management Station.

A license to version 2020.08 and later of Network Node Manager i Premium Edition, and Network Node Manager i Ultimate Edition includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

A license to version 2023.05 and later of Network Node Manager i Ultimate Edition includes Operations Orchestration. The bundled Operations Orchestration within version 2023.05 and later of Network Node Manager can be used through invocation only from NNMi components. This usage is available only for network process orchestration use cases within the context of a NNMi Node. For other use cases, such as general-purpose IT Process Orchestration, Operations Orchestration Suite Add-on License must be purchased separately to allow for unrestricted usage.

Network Node Manager i and Network Node Manager i Advanced Nodes are only licensed to customers who purchased such licenses prior to December 1, 2013; the software specific license terms below only apply to Network Node Manager i and Network Node Manager i Advanced and not to Network Node Manager i Premium Edition and Network Node Manager i Ultimate Edition. Network Node Manager i and Network Node Manager i Advanced do not include Vertica.

Network Node Manager i Premium Edition NNMi Node License and Network Node Manager i Ultimate Edition NNMi Node License are only licensed to customers who purchased such licenses till August 2023; Beginning September 2023, Network Node Manager i Express NNMi Unit License, Network Node Manager i Premium NNMi Unit License, and Network Node Manager i Ultimate NNMi Unit License are available. Network Node Manager i Express does not include Vertica entitlement.

For clarification only, installing a Network Node Manager i software product on a Clustered Computer only requires the production NNMi Node License or NNMi Unit License; a separate non-production NNMi Node License or NNMi Unit License is not required.

A Network Node Manager i software product consists of three components for functionality: Management Station, nodes and Smart Plug-Ins. The reference to NNMi Node Licenses reflects the number of NNMi Nodes that you may concurrently monitor from the Management Station. Smart Plug-ins provide additional functionality to either NNMi or NNMi Advanced.

There are two types of Network Node Manager i Management Stations:

- **Network Node Manager i (Standard functionality at the NNMi Management Station)**
  A Network Node Manager i software product NNMi Node License consists of two components: Management Station and nodes. While NNMi can enhance its functionality via the addition of NNMi Smart Plug-Ins, it has other limitations compared to NNM i Advanced, including the inability to function as a manager of other NNM i Management Stations (called Global Network Management).

▪ **Network Node Manager i Advanced (Advanced functionality at the NNMi Management Station)**
A Network Node Manager i Advanced software product NNMi Node License consists of two components: Management Station and nodes. NNMi Advanced has the unique ability to function as an NNMi Global Manager (GNM) within a Global Network Management environment. Any node that exists in an NNMi Global Manager as well as an associated NNMi Regional Manager will be counted by the NNMi Node License of both NNMi Management Stations. Additional NNMi Node Licenses, above what's required for local Management Stations, may need to be purchased to implement a GNM environment.

Network Node Manager i Smart Plug-ins

Network Node Manager i Smart Plug-ins consist of additional functionality that comes with either Network Node Manager i Premium Edition or Network Node Manager i Ultimate Edition or is being licensed separately for Network Node Manager i and Network Node Manager i Advanced. A Network Node Manager i Express Edition license does not include any of the Smart Plug-ins. A license to version 2022.11 and earlier of Network Node Manager i Premium Edition does not include the following Smart Plug-ins: iSPI for IP Multicast, iSPI for IP Telephony, iSPI for MPLS, iSPI NET, and iSPI Performance for Traffic. A license to version 2023.05 and later of Network Node Manager i Premium Edition does not include the following Smart Plug-ins: iSPI for IP Multicast, iSPI for IP Telephony, iSPI for MPLS, iSPI NET. A license to version 2022.11 and earlier of Network Node Manager i Ultimate Edition does not include Operations Orchestration Studio.

A license to version 2020.08 and later of each of the Network Node Manager i Smart Plug-ins includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

Network Node Manager i Smart Plug-ins are licensed separately only to Licensees who purchased such licenses prior to December 1, 2013; the software specific license terms below only apply to licenses sold for use with Network Node Manager i and Network Node Manager i Advanced and not with Network Node Manager i Express Edition, Network Node Manager i Premium Edition and Network Node Manager i Ultimate Edition.

A Network Node Manager i Smart Plug-ins software product NNM iSPI Node License consists of nodes. For the purposes of the Network Node Manager i Smart Plug-in software products, a node means an NNMi Node. The reference to NNMi Node Licenses reflects the number of nodes that you may concurrently monitor from the Management Station.

A Network Node Manager i Smart Plug-ins software product NNM iSPI Point License consists of NNM iSPI Points. The reference to NNM iSPI Point Licenses reflects the number of NNM iSPI Points you may use to concurrently enable NNM iSPI Base Templates and monitor metrics from the Management Station.

NNM iSPI Node Licenses and NNM iSPI Point Licenses may be used to enable monitoring of the following network technologies, as per below:

Smart Plug-In	Covers
NNM iSPI IP Telephony	
Each NNM iSPI Telephony Base Template	1,000 NNM iSPI Points
Each IP Phone Node	1 NNM iSPI Point
Each IP Gateway Node	3 NNM iSPI Points
Each IP PBX/System Node	7 NNM iSPI Points

Smart Plug-In	Covers
Smart Plug-In	Covers
NNM iSPI MPLS	
Each NNM iSPI MPLS Base Template	5,000 NNM iSPI Points
Each Label Switch Router (LSR) Node	4 NNM iSPI Points
Each OSI Layer-3 VRF Interface	4 NNM iSPI Points
Each OSI Layer-2 Forwarding Interfaces	5 NNM iSPI Points
NNM iSPI IP Multicast	
Each NNM iSPI IP Multicast Base Template	1,500 NNM iSPI Points
Each IP Multicast Node	5 NNM iSPI Points
Each IP Multicast Source Group, N(S,G)	4 NNM iSPI Points
NNM iSPI NET	
Each Node	1 NNM iSPI Node
NNM iSPI Performance for Metrics or NNM iSPI for Performance	
Each Node	1 NNM iSPI Node
NNM iSPI Performance for QA	
Each QA Probe	1 NNM iSPI Point
NNM iSPI Performance for Traffic	
Each sFlow Interface	1 NNM iSPI Point
Each NetFlow Interface	5 NNM iSPI Points

Network Operations Management bundle offerings

Bundle	Offering includes
Network Node Manager i + Network Node Manager i Smart Plug-In Performance for Metrics	▪ 1 Network Node Manager i 50 NNMi Node License bundle ▪ 1 Network Node Manager i Smart Plug-In Performance for Metrics 50 NNM iSPI Node License bundle
Network Node Manager i + Network Node Manager i Smart Plug-In Performance for Metrics + Network Node Manager i Smart Plug-In Network Engineering Toolset	▪ 1 Network Node Manager i 50 NNMi Node License bundle ▪ 1 Network Node Manager i Smart Plug-In Performance for Metrics 50 NNM iSPI Node License bundle ▪ 1 Network Node Manager i Smart Plug-In Network Engineering Toolset 50 NNM iSPI Node License bundle

Network Operations Management Suite offerings

Suite	Offering includes
Network Operations Management Suite Express Edition 1 Unit License	One of the following for NNM: ▪ 1 NOM Node of Network Node Manager Express Edition along with Reporting or ▪ 10 IP Phones or ▪ 10 Non-SNMP enabled Virtual Machines (or 10 NOM Endpoint Nodes included in Network Operations Management 2018.08 or later releases) or ▪ 4 Endpoints where reporting is enabled or ▪ 2 SDN End Point Groups (with Network Operations Management 23.4 or later releases) or ▪ 1/15 Firewall with Firewall Deep Monitoring enabled (with Network Node Manager 25.3 and prior release) or ▪ 1 Firewall with Firewall Deep Monitoring enabled [includes up to 10 VPN Tunnels] (with Network Operations Management 25.4 and later release) or ▪ 10 VPN Tunnels beyond the tunnels already covered under Firewall Deep Monitoring (with Network Operations Management 25.4 and later release) or ▪ 1 Wireless Access Point with Wireless Deep Monitoring (with Network Operations Management 24.2 and later release) or ▪ 1/10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.3 and prior release) or ▪ 10 SD-WAN Site-to-Site Tunnel (with Network Operations Management 25.4 and later release) And one of the following for NA: ▪ 1 Node of Network Automation Express Edition with Reporting or ▪ NetDevOps feature for 2 licensed NA nodes (with Network Automation 24.2 and later release) or ▪ Automation Insights feature for 2 licensed NA nodes (with Network Automation 24.2 and later release)
	Any object monitored via the Network Edge Observer will consume 1.1 times the NOM Unit consumption when monitored directly by NNMi. For example, if a NOM Node monitored by NNMi consumes 1 NOM Unit, the same NOM Node will now consume 1.1 NOM Units if it is monitored via the Network Edge Observer. 200 Units are consumed to enable SDWAN Overlay monitoring feature (with Network Node Manager 25.4 and later release) A license to version 2020.08 and later of Network Operations Management Suite Express Edition includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

Suite	Offering includes
Network Operations Management Suite Premium Edition 1 Unit License	One of the following for NNM:

One of the following for NNM:

- For a license to version 2022.11 and earlier, One (1) Node of Network Node Manager i Ultimate Edition without IP Telephony, IP Multicast or MPLS Monitoring or the orchestration capability in the Network Node Manager i Smart Plug-In Network Engineering Toolset. For a license to version 2023.05 and later, One (1) Node of Network Node Manager Premium Edition or
- 10 IP Phones or
- 10 Non-SNMP enabled Virtual Machines (or 10 NOM Endpoint Nodes included in Network Operations Management 2018.08 or later releases) or
- 4 Endpoints where reporting is enabled or
- 2 SDN End Point Groups (only with Network Operations Management 23.4 or later releases) or
- 1/15 Firewall with Firewall Deep Monitoring enabled (with Network Node Manager 25.3 and prior release) or
- 1 Firewall with Firewall Deep Monitoring enabled [includes up to 10 VPN Tunnels] (with Network Operations Management 25.4 and later release) or
- 10 VPN Tunnels beyond the tunnels already covered under Firewall Deep Monitoring (with Network Operations Management 25.4 and later release) or
- 1 Wireless Access Point with Wireless Deep Monitoring (with Network Operations Management 24.2 and later release) or
- 1/10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.3 and prior release) or
- 10 SD-WAN Site-to-Site Tunnel (with Network Operations Management 25.4 and later release)

And one of the following for NA:

- 1 Node of Network Automation Premium Edition or
- NetDevOps feature for 2 licensed NA nodes (with Network Automation 24.2 and later release) or
- Automation Insights feature for 2 licensed NA nodes (with Network Automation 24.2 and later release)

Any object monitored via the Network Edge Observer will consume 1.1 times the NOM Unit consumption when monitored directly by NNMi. For example, if a NOM Node monitored by NNMi consumes 1 NOM Unit, the same NOM Node will now consume 1.1 NOM Units if it is monitored via the Network Edge Observer.

200 Units are consumed to enable SDWAN Overlay monitoring feature (with Network Node Manager 25.4 and later release)

A license to version 2019.11 or earlier of Network Operations Management Suite Premium Edition includes the use of Operations Bridge Reporter Standard Edition (version 10.40 and prior) until the obsolescence date for Operations Bridge Reporter Standard Edition posted on MySupport at softwaresupport.softwaregrp.com/obsolescence-migrations. Operations Bridge Reporter is licensed by OBR Node. Each OBR Node represents 10 NA Nodes and includes reporting, collection and customization for Network Operations Management Suite reports only. This Operations Bridge Reporter Standard Edition License can only be used in conjunction with these Network Operations Management Suite software products.

A license to version 2020.08 and later of Network Operations Management Suite Premium Edition includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

Suite	Offering includes
Network Operations Management Suite Ultimate Edition 1 Unit License	One of the following for NNM: ▪ 1 Node of Network Node Manager Ultimate Edition or ▪ 10 IP Phones or ▪ 10 Non-SNMP enabled Virtual Machines (or 100 NOM Endpoint Nodes included in Network Operations Management 2018.08 or later releases) or ▪ 4 Endpoints where reporting is enabled or ▪ 2 SDN End Point Groups (with Network Operations Management 23.4 or later releases) or ▪ 1/15 Firewall with Firewall Deep Monitoring enabled (with Network Node Manager 25.3 and prior release) or ▪ 1 Firewall with Firewall Deep Monitoring enabled [includes up to 10 VPN Tunnels] (with Network Operations Management 25.4 and later release) or ▪ 10 VPN Tunnels beyond the tunnels already covered under Firewall Deep Monitoring (with Network Operations Management 25.4 and later release) or ▪ 1 Wireless Access Point with Wireless Deep Monitoring (with Network Operations Management 24.2 and later release) or ▪ 1/10 SD-WAN Site-to-Site Tunnel (with Network Node Manager 25.3 and prior release) or ▪ 10 SD-WAN Site-to-Site Tunnel (with Network Operations Management 25.4 and later release) And one of the following for NA: ▪ 1 Node of Network Automation Ultimate Edition or ▪ NetDevOps feature for 2 licensed NA nodes (with Network Automation 24.2 and later release) or ▪ Automation Insights feature for 2 licensed NA nodes (with Network Automation 24.2 and later release)
	Any object monitored via the Network Edge Observer will consume 1.1 times the NOM Unit consumption when monitored directly by NNMi. For example, if a NOM Node monitored by NNMi consumes 1 NOM Unit, the same NOM Node will now consume 1.1 NOM Units if it is monitored via the Network Edge Observer.
	200 Units are consumed to enable SDWAN Overlay monitoring feature (with Network Node Manager 25.4 and later release)
	Includes Operations Orchestration (with Network Operations Management Suite Ultimate Edition version 2018.02 and higher). The bundled Operations Orchestration within version 2022.11 and earlier of Network Operations Management Suite Ultimate Edition can be used through invocation only from or to NOM components. The bundled Operations Orchestration within version 2023.05 and later of Network Operations Management Suite Ultimate Edition can be used through invocation only from NOM components. This usage is available only for network process orchestration use cases within the context of a NOM Node. For other use cases such as general purpose IT Process Orchestration, it is required to purchase an Operations Orchestration Suite Add-on License which will provide unrestricted usage.
	A license to version 2019.11 or earlier of Network Operations Management Suite Ultimate Edition includes the use of Operations Bridge Reporter Standard Edition (version 10.40 and prior) until the obsolescence date for Operations Bridge Reporter Standard Edition posted on MySupport at softwaresupport.softwaregrp.com/obsolescence-migrations. Operations Bridge Reporter is licensed by OBR Node. Each OBR Node represents 10 NA Nodes and includes reporting, collection and customization for Network Operations Management Suite reports only. This Operations Bridge Reporter Standard Edition License can only be used in conjunction with these Network Operations Management Suite software products.

Suite	Offering includes
	A license to version 2020.08 and later of Network Operations Management Suite Ultimate Edition includes use of an embedded Vertica data storage component with a limit of 20 TB across all of the Network Operations Management software products. Storage is measured in Raw Data Size for data stored in Vertica and Licensee is permitted to load, store and analyze data intended only for the delivery of capabilities and functions specific to the Network Operations Management software products. End-customer's third-party tools are permitted to access data stored in Vertica but data may not be loaded or used for purposes other than as described. An additional Vertica Expansion License is required for additional data capacity. Each Vertica Expansion Add-on License permits ITOM product licenses to divide the Add-on aggregate capacity as required within a single ITOM product or across multiple ITOM products for a given Vertica cluster, within the usage guidelines as listed above. The Vertica Expansion Add-On SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher.

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