Additional License Authorizations
for HP Network Node Manager i Software products

Product use authorizations

This document provides Additional License Authorizations for the following HP Business Technology Optimization Software products:

Products	Suites
HP Network Node Manager i (NNMi)	HP Automated Network Management Suite
HP Network Node Manager i Advanced	HP Automated Network Management Advanced Suite
HP Network Node Manager i Software Developer Toolkit	
HP Network Node Manager i Integration Enablement License	
HP Network Node Manager i Smart Plug-in for IP Telephony	
HP Network Node Manager i Smart Plug-in for MPLS	
HP Network Node Manager i Smart Plug-in for IP Multicast	
HP Network Node Manager i Smart Plug-in for Network	
HP Network Node Manager i Smart Plug-in Performance for Metrics	
HP Network Node Manager i Smart Plug-in Performance for Traffic	
HP Network Node Manager i Smart Plug-in Performance for Quality Assurance	
HP Network Node Manager i Smart Plug-in for Performance	
HP Network Node Manager i Integration Module for NetCool	

Definitions

Capitalized terms not otherwise defined in this Additional License Authorizations document are defined in the governing Agreement.

Term	Definition
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.

Term	Definition
E-LTU and E-Media	means products which are electronically delivered only, and as such any references to FOB Destination or delivery methods that are stated on Your purchase order other than electronic shall be null and void with respect to these E-LTU or E-Media products.
Global Network Management (GNM)	means an NNM environment of multiple NNM Management Stations, where at least one NNM Global Manager is receiving information from one or more NNM Regional Managers.
Instance	means each implementation of the application installed on a Server.
LTU	means License To Use.
NNM Cold Standby System	means a Non-Production standby system which has the HP Network Node Manager i Software Product installed, but is either shutdown or is not concurrently running any of the product's processes.
NNM Development and Test System	means a Non-Production system which has the HP Network Node Manager i Software Product installed, and is concurrently running some or all of the product's processes for the purpose of a) developing Licensee add-on applications; b) migration testing; or c) pre-production staging.
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 Hot Standby System	means a Non-Production standby system which has the HP Network Node i Manager Software Product installed, and is concurrently running some or all of the product's processes.
NNM iSPI Points	means the Base Templates and metrics a Licensee is authorized to use or monitor.
NNM Management Station	means the software component of the HP Network Node Manager i Software Product that constitutes the central entity, where all messages are received, processed, stored and forwarded to the operator GUI.
NNM Regional Manager	means a NNM Management Station which supplies information to one or more NNM Global Managers.
Nodes	means a collection of network interfaces that the Management Station software can pragmatically associate together.
NNM Node Pack	means a predetermined number of manageable Nodes.
Non-Production or NP	means internal use which is limited to Use on Development and Test Systems and Hot and/or Cold Standby Systems. This NP license requires the previous purchase of the equivalent or greater production licenses. Support for NP licenses is restricted to the period of and current status of the equivalent production license.
NNM Production System	means a system which has a HP Network Node Manager i Software Product installed and is running some or all of the product's processes to be used for collecting data, executing product logic, or sending/receiving messages.
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.
Server	means any designated computer system in which an Instance or Instances of the Software is installed.
Suite	means two or more software products combined into a single license offering. The specific software products included in a Suite are specified in the Software Specific License Terms below. Software products included in a Suite are governed by the individual authorizations and use restrictions associated with each Software Product.
Traffic Collector Connection	means the association of an Instance of HP Network Node Manager I Smart Plug-in Performance for traffic with a remote Instance of a flow collector for the purpose of receiving flow data from the flow collector
Unlimited NNM Nodes	means that the NNM Management System software does not programmatically limit to the number of Nodes that can be managed from that Instance of the Management Station software; however, there are practical limits based on overall system resources, system performance, and constraints of the operating system.
Unlimited NNM iSPI Points	means that the NNM Management System software does not programmatically limit to the number of NNM iSPI Points that can be managed from that Instance of the Management Station software; however, there are practical limits based on overall system resources, system performance, and constraints of the operating system.

Software specific license terms

For Software products with software specific license terms, these terms are described below. Software Products covered by this additional license authorization (as listed on the first page under *Product use authorizations*) and not covered in this section do not have software specific license terms.

HP Network Node Manager i

An HP Network Node Manager i Software Product is licensed for use on a single computer or Clustered Computer. Depending on the implementation and use, an appropriate license is required for:

- NNM Production System: HP Network Node Manager i Software Product LTU is required.
  For clarification only, installing an HP Network Node Manager i Software Product on a Clustered Computer only requires the Production LTU; a separate Non-Production LTU is not required.

- NNM Cold Standby System: HP Network Node Manager i Software Product Non-Production LTU is required.

- NNM Development and Test System: HP Network Node Manager i Software Product Non-Production LTU is required.

- NNM Hot Standby System: HP Network Node Manager i Software Product Non-Production LTU is required.

A Network Node Manager i Software Product consists of three components for functionality: Management Station, Nodes and Smart Plug-Ins. The reference to Node Packs reflects the number of Nodes that the Licensee may concurrently monitor from the Management System and comes in various counts, including, but not limited to: 50 and Unlimited Nodes. Smart Plug-ins provide additional functionality to either NNMi or NNMi Advanced.

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

HP Network Node Manager i (*Standard* Functionality at the NNM Management Station)
An HP Network Node Manager i Software Product Node Pack License-To-Use (LTU) consists of two components: Management System and Nodes which are purchased in 50 Node Packs. 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).

HP Network Node Manager i Advanced (*Advanced* functionality at the NNM Management Station)
An HP Network Node Manager i Advanced Software Product Node Pack License-To-Use (LTU) consists of two components: Management System and Nodes which are purchased in 50 Node Packs.   NNMi Advanced has the unique ability to function as a NNM Global Manager (GNM) within a Global Network Management environment.   Any Node that exists in an NNM Global Manager as well as an associated NNM Regional Manager will be counted by the LTU of both NNM Management Stations. Additional NNM 50-Node Pack Licenses, above what's required for Local Management Stations, may need to be purchased to implement a GNM environment.

HP Network Node manager i Smart Plug-Ins

An HP Network Node Manager i Smart Plug-ins Software Product NNM iSPI Node Pack License-To-Use (LTU) consists of two components: Management System and Nodes. The reference to Node Packs reflects the number of Nodes that the Licensee may concurrently monitor from the Management System and comes in various counts, including, but not limited to: 50 and Unlimited Nodes.

An HP Network Node Manager i Smart Plug-ins Software Product NNM iSPI Point Pack License-To-Use (LTU) consists of NNM iSPI Points. The reference to Point Packs reflects the number of NNM iSPI Points the Licensee may use to concurrently enable NNM iSPI Base Templates and monitor metrics from the Management System and comes in various counts, including, but not limited to: 100 and Unlimited NNM iSPI Points.

NNM iSPI Nodes and NNM iSPI Points may be used to enable monitoring of the following network technologies, as per below:

Smart Plug-In	Covers
NNM iSPI 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
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	
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
NNM iSPI for Performance	
Each Node	1 NNM iSPI Node

HP Network Node Manager i Suite offerings

Suite	Offering includes
HP Automated Network Management Suite	1 HP Network Automation 50 Node Pack 1 HP Network Node Manager i 50 Node Pack 1 HP Network Node Manager i Smart Plug-In Network Engineering Toolset 50 Node Pack 1 HP Network Node Manager i Smart Plug-In Performance for Metrics 50 Node Pack 1 HP Network Node Manager i Integration Enablement License 50 Node Pack 100 Network Node Manager i Smart Plug-in Points which can be shared between the following as long as the total number of licenses consumed does not exceed 100 per Automated Network Management Suite 50 node pack: - HP Network Node Manager i Smart Plug-In Performance for Quality Assurance - HP Network Node Manager i Smart Plug-In Performance for Traffic
HP Automated Network Management Advanced Suite	1 HP Network Automation 50 Node Pack 1 HP Network Node Manager i Advanced 50 Node Pack 1 HP Network Node Manager i Smart Plug-In Network Engineering Toolset 50 Node Pack 1 HP Network Node Manager i Smart Plug-In Performance for Metrics 50 Node Pack 1 HP Network Node Manager i Integration Enablement License 50 Node Pack 300 Network Node Manager i Smart Plug-in Points licenses which can be shared between the following as long as the total number of licenses consumed does not exceed 300 per Automated Network Management Advanced Suite 50 node pack: - HP Network Node Manager i Smart Plug-In Performance for Quality Assurance - HP Network Node Manager i Smart Plug-In Performance for Traffic - HP Network Node Manager i Smart Plug-in for IP Telephony (iSPI IP Telephony) - HP Network Node Manager i Smart Plug-in for MPLS (iSPI MPLS) - HP Network Node Manager i Smart Plug-in for IP Multicast (iSPI IP Multicast)
HP Network Node Manager i + HP Network Node Manager i Smart Plug-In Performance for Metrics	1 HP Network Node Manager i 50 Node pack 1 HP Network Node Manager i Smart Plug-In Performance for Metrics 50 Node Pack
HP Network Node Manager i + HP Network Node Manager i Smart Plug-In Performance for Metrics + HP Network Node Manager i Smart Plug-In Network Engineering Toolset	1 HP Network Node Manager i 50 Node pack 1 HP Network Node Manager i Smart Plug-In Performance for Metrics 50 Node Pack 1 HP Network Node Manager i Smart Plug-In Network Engineering Toolset 50 Node Pack

Technology for better business outcomes