

# HP Network Node Manager i Software Release Notes

## Software Version: 9.20

This document provides an overview of the changes made to HP Network Node Manager i Software (NNMi) version 9.20.

It contains important information not included in the manuals or in online help.

For the latest additions to these Release Notes, see [sg-pro-oneweb.austin.hp.com/nnm/NNM9.20/releasenotesupdate.htm](http://sg-pro-oneweb.austin.hp.com/nnm/NNM9.20/releasenotesupdate.htm).

For a list of supported hardware platforms, operating systems, and database, see the *HP Network Node Manager i Software System and Device Support Matrix*. For the list of supported network devices, see the *HP Network Node Manager i Software (NNMi) Device Support Matrix* at [sg-pro-oneweb.austin.hp.com/nnm/NNM9.20/devicematrix.htm](http://sg-pro-oneweb.austin.hp.com/nnm/NNM9.20/devicematrix.htm).

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## What's New In This Version

### Overview of the NNMi 9.20 Release

NNMi is a major modernization of the NNM 7.x software. This release contains many new features. Direct single system upgrades of existing NNM 6.x or 7.x installations to NNMi are not supported (see the [Upgrade Reference](#)). Single system upgrades of NNMi 9.0x and NNMi 9.1x to NNMi 9.20 are supported (see the [Upgrade Reference](#)). NNM 8.x installations must be upgraded to NNMi 9.0x before being upgraded to NNMi 9.20.

### NNMi 9.20

#### • Upgrade Notes

- Read the new *NNMi 9.20 Upgrade Path Requirements* document for supported paths for upgrading to NNMi 9.20.
- For important notes about upgrading to NNMi 9.20, see the [Upgrade Reference](#). It is important to read these notes before performing the upgrade. The [Upgrade Reference](#) now includes information about upgrading from the following NNM and NNMi versions:
  - NNM 6.x and 7.x

# Network Node Manager Manual

**Mike Peckar**

## Network Node Manager Manual:

**Fognet's Field Guide to OpenView Network Node Manager** Mike Peckar,2006 **OpenView Network Node Manager** John Blommers,2001 PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE *Fognet's Field Guide to Openview Network Node Manager, 2nd Edition* Mike Peckar,2008 This guide is written for field consultants users and administrators of the HP OpenView Network Node Manager NNM software product It was written for those who seek a shortcut to commonly used product info that is either missing or obfuscated in the product docs and it covers practical implementation information that can't be found in any product manuals or the product man ref pages This guide was gleaned from OpenView users and from the author's thirteen years of compiled notes on the product The 2nd edition covers all 7 x features through 7.53 and features expanded and improved content totaling 353 pages Note This edition has a brief description of NNM 8i features but should NOT be purchased to help with NNM 8i installations **Reference Manual for Telecommunications Engineering** Roger L. Freeman,1994 Contains a compendium of the most frequently used data in day to day telecommunications engineering work tables graphs figures formulae nomograms performance curves standards highlights constants and statistics Designed for easy and rapid access Comprehensive reference for designing building purchasing using or maintaining all kinds of telecommunications systems Central source of information on transmission switching traffic engineering numbering signaling noise modulation and forward error correction **Integrated Network Management, III** Heinz-Gerd Hegering,Yechiam Yemini,1993 The dramatic expansion of integrated network management knowledge achieved over the past two years is recognised in this book The significance of the recent developments is discussed as is the need to build a broad based central forum for the sharing and integration of knowledge amongst vendors and users researchers and developers standards developers and implementers LAN WAN and MAN specialists systems and networks experts indeed the whole network management community Contributions have been sourced from recognised professionals involved in various disciplines across the field This international participation ensures the expertise of vast sections of the telecommunications computer communications and computer industries is represented as well as that of leading users academic and industrial research labs The volume is divided into the following primary topics Management Architecture Distributed Systems Management Implementing Management Architectures Management Requirements Experiences and Evaluation Telecommunications Management Management Applications It is hoped the contents will not only prove to be a useful reference book and text book on current research in the field but also stimulate a further development of emerging technologies **UNIX Review** ,1994-07 **IEEE Open Architectures and Network Programming Proceedings** ,2003 **SNMP Application Developer's Guide** Robert L. Townsend,1995 This book disk package is the first real help that application developers working in TCP IP networks have had for working up network management applications It explores the internals of the SNMP compares version 1 and 2 provides a disk with SNMP source

code an agent program and an application developer's tool set and provides a resource guide to get developers additional information when needed    **Routing and Switching** Rita Puzanova,2002 This book presents an overview of current technology in switching and routing the two main techniques for interconnecting networks giving an overview of the principles of both and looking at the different approaches to integrating the two techniques to gain maximum benefit from the unique and complementary features of each    **Proceedings of the National Communications Forum** ,1987

Network Management and Maintenance Data Comm Magazine,Data Communications Magazine Staff,Data Communications Magazine,1990    Installing and Administering ARPA Services ,1991    *Communications Networks* Michael F. Hordeski,1989    **Computer Networks** Marshall D. Abrams,Ira W. Cotton,1984    *European Conference on Optical Communication* ,2002    ECOC 2002: Wednesday, September 11, 2002 ,2002    Journal of Communications and Networks ,2001    Acronyms and Abbreviations in Astronomy, Space Sciences and Related Fields André Heck,1991    Proceedings ,1991    **2001 MILCOM** ,2001

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table of content next page enhancement adds code to the application data classes to integrate them with jdo as a result of enhancement the enhanced class implements the persistencecapable interface when jdo acts on an application data object it acts on it as a persistencecapable object

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object fields are accessed by their name you must use a name that is unambiguous you may use a simple name for a field within its own class for example we can add a statement within the rectangle class that prints the width and height system out println width and height are width height in this case width and height are

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using transient application data objects and objects of classes that are not persistence capable for parameter values is not portable across jdo implementations declaring the query's variables the query interface provides a method to declare

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in order to provide persistent services for the application s data objects jdo must manage the objects within a java virtual machine jvm jdo manages some objects and does not manage other objects if jdo manages an object it manages its persistent state or its transactional state or both

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managers using a persistence manager the application can control the life cycle and caching of application data objects it can get the identity object for a persistent application data object and it can later fetch the persistent object that corresponds to an identity object finally the persistencemanager interface has factory methods

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