HP BSM Network Node Manager i 9.x Software

Exam description

This exam tests your ability to demonstrate, deploy and manage HP BSM Network Node Manager i 9.x Software to exploit its powerful out-of-the-box capabilities that enable the network operations teams to efficiently manage physical and virtual networks of any size. Knowledge of business requirements, technical prerequisites and constraints when deploying and managing a business class installation is assumed. You will need to demonstrate knowledge of the benefits that the HP Network Node Manager i 9.x Software provides as a standalone network management solution, and as part of an integrated Automated Network Management solution, and how the benefits are realized. You will also need sufficient experience and fluency with the basics of operating systems and system administration, network protocols and network device administration.

Who should take this exam?

The ideal candidate for this exam is a network administrator, a solution architect, a presales technical consultant or an implementer who works in a team or under the supervision of a senior consultant when dealing with complex, enterprise wide deployments. The most successful candidates have at least three months (and preferably more than six months) of real world experience implementing and maintaining Network Node Manager i 9.x Software to manage medium complexity networks.

Exam contents

This exam has 69 questions. Here are types of questions to expect:

- Multiple choice (multiple responses)
- Multiple choice (single response)
- Drag-and-drop

Tips for taking this exam

Rather than emphasize simple memorization, HP exams attempt to assess whether you have the knowledge and skills that a networking professional requires on the job. Therefore, some questions feature exhibits or scenarios. As you see, you will have an average of about ninety seconds per question.

Take the time to read the entire question and consider all of the options carefully before you answer. If the question indicates that it features an exhibit, study the exhibit and reread the question. Make sure to select the answer that correctly responds to the question that is asked — not simply an answer that includes some correct information. If the question asks for more than one answer, remember to select each correct answer. You will not receive partial credit for a partially correct answer.

Objectives

This exam validates that you can successfully perform the following:

Exam ID	HP0-M51
Exam type	Proctored exam taken at dedicated testing center
Exam duration	1 hour 45 minutes
Exam length	69 questions
Passing score	74%
Delivery languages	English, Japanese
Related certifications	• HP AIS - BSM Network Node Manager i v9
Supporting courses	These recommended courses help you prepare for the exam: • 00379687 - NNMI120 - Network Node Manager i Software 9.x Essentials
Additional study materials	• HP Network Node Manager i Software Deployment Reference 9.1 Pages 48-50, 92, 97, 111, 163-166, 200-201, 267-275, 318, 358, 424, 473, 500, 579, 605-608, 613 HP Passport user ID and password required. • Deployment and Migration Guide 9.1, Pages 453-454, 503, 540, 547 HP Passport user ID and password required. • Integrating NNMi with a Directory Service through LDAP HP Passport user ID and password required. • Reference Guide via NNMi Console, Page 87 HP Passport user ID and password required. • Online Help 9.10 Configure Device Profiles Help for Operators Key Incident Views Monitoring Incidents Help for Administrators, Page 159 HP Passport user ID and password required. • NNMi Causal Analysis White Paper HP Passport user ID and password required. • HP Network Node Manager i Software Upgrade Reference, Page 51 HP Passport user ID and password required. • HP Network Node Manager iSPI Performance for Traffic Software Installation Guide 9.10, Page 67 HP Passport user ID and password required. • NNM iSPI for NET Planning and Installation Guide 9.10, Pages 21 and 42 HP Passport user ID and password required. • Automated Network Management page

Register for this Exam

You will need an HP Learner ID and a Pearson VUE login and password.

During the exam, you can make specific comments about the exam and items. HP welcomes these comments as part of our continuous improvement process.

No online or hard copy reference material will be allowed at the testing site. This exam may contain beta test items for experimental purposes.

	Sections/Objectives
8%	Fundamental architectures and technologies • Describe Layer 2 and Layer 3 connectivity. • Describe SNMP communication principles. • Describe NNMI components and technologies. • Identify which protocols can be used to communicate with managed nodes. • Describe trap handling by NNMi.
8%	HP Network Node Manager products and solutions • Identify products within the NMC solution suite. • Explain the value-add of integrations. • Describe the value-add of uCMDB/RTSM. • Identify the type of environment where NNMi has its highest value. • Explain the value-add of Automated Network Management.
12%	Deployable solution plan and design • Describe the available solutions for providing NNMi management server resiliency. • Describe the purpose of using a directory service with NNMi. • Describe use cases for implementing multi-tenancy. • Describe the user security model in NNMi. • Describe use cases for implementing Global Network Management (GNM). • Describe network communication requirements for NNMi. • Determine supportability of devices to be managed. • Recognize the migration process fundamentals.
22%	NNMi installation and configuration • Describe the installation process. • Describe Communication Configuration. • Describe Discovery Configuration. • Describe Monitoring Configuration. • Describe Incident Configuration. • Describe Node and Interface Group Configuration. • Describe Management Station Configuration. • Describe User Security and Tenant Configuration. • Describe out of the box integrations with other HP Tools. • Describe which settings can be set globally in the UI Configuration.
11%	Solution performance-tuning and optimization • Describe available System Health information and reports. • Evaluate discovery performance. • Evaluate polling performance. • Evaluate UI performance. • Evaluate trap performance. • Use trap analytics to evaluate trap traffic. • Evaluate disk performance. •Describe how DNS affects NNMi performance.
10%	NNMI troubleshooting and repair • Describe types of application issues identified by application status, user authentication, and client checks. • Troubleshoot missing or too many objects in a group from the Node and Interface groups. • Troubleshoot topology issues, communication and discovery problems. • Verify status, and troubleshoot missing incidents, updates and auto actions. • Perform high-level troubleshooting on licenses, health check and fixes on the database, and the NNMi application server.
13%	Daily operational tasks • Manage the incident lifecycle. • Select the correct workspace for a comprehensive view or root cause events. • Describe the use of menu actions and tools. • Describe the use of real-time graphs. • Describe the use of the MIB browser. • Launch the ISPI Net Diagnostics report. • Interpret results in the Analysis pane.
9%	Administrative tasks

	• Manage NNMi processes and services. • Manage NNMi licensing. • Describe the use of configuration import and export tools. • Discuss NNMi backup and restore utilities. • Manage incidents in the NNMi database. • Manage user access to the NNMi Console. • Configure the severity status for events.
7%	Integration capabilities and plug-ins • Recognize components, capabilities and configurations of the HP Automated Network Management 9.1 solution. • Explain how to integrate third-party tools. Describe the value of the RAMS integration. • Describe the configuration necessary to integrate with OM.

For more information

HP ExpertOne: www.hp.com/go/ExpertOne-ContactUs

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Created January 2014, Rev. 1