**IBM Netcool Operations Insight 1.4 Implementation and Configuration**

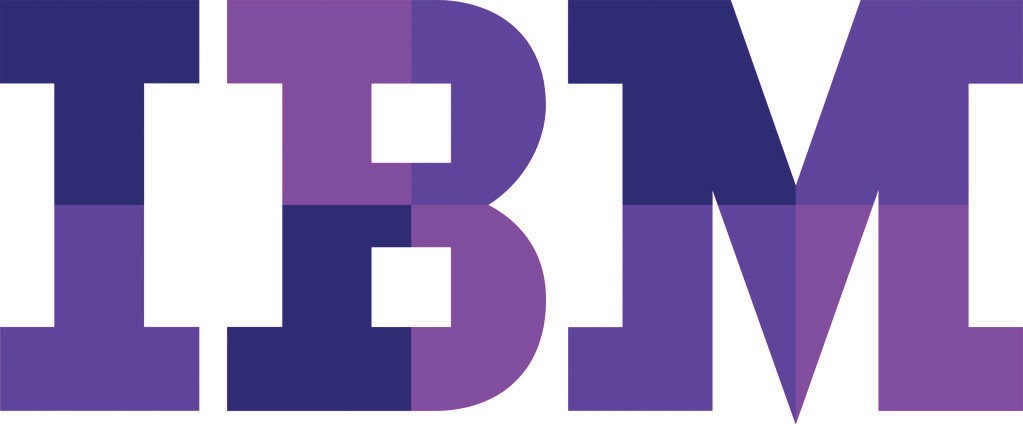


TN521 (Classroom)

# Course description

This 3-day class teaches you how to install the Netcool for Operations Insight components, including Networks for Operations Insight.

On Day 1 in this class, you install Netcool/OMNIbus V8.1, Netcool/OMNIbus Web GUI V8.1, Netcool/Impact V7.1, and IBM Operations Analytics Log Analysis V1.3. In addition, you install and configure the event search and event analytics features that are unique to Netcool Operations Insight. On Day 2, you install IBM Tivoli Network Manager IP Edition V4.2, and the topology search feature. On Day 3, you install IBM Tivoli Netcool Configuration Manager, and verify the solution.



The lab environment for this course uses the Red Hat Enterprise Linux platform.

For information about other related courses, visit the IBM Training website:

<http://www.ibm.com/training>

**General information**

**Delivery method**

Classroom or instructor-led online (ILO)

**Course level**

ERC 1.0

**Product and version**

Netcool Operations Insight 1.4

**Audience**

This course is designed for administrators who must install Netcool Operations Insight.

**Learning objectives**

* Install the following components of IBM Netcool Operations Insight base, among others:
  + Netcool/OMNIbus core V8.1.0.5
  + Netcool/OMNIbus Web GUI V8.1.0.4
  + Netcool/Impact V7.1.0.4
  + IBM Operations Analytics Log Analysis V1.3.2
* Configure event search and event analytics features
* Install the following components of Networks for Operations Insight, among others:
  + IBM Tivoli Network Manager IP Edition V4.2
  + IBM Tivoli Netcool Configuration Manager V6.4.2
  + Install and configure the topology search feature

### Prerequisites

Before taking this course, make sure that you have the following skills:

* Install and configure Netcool/OMNIbus core 8.1.0.5
* Install and configure Netcool/OMNIbus Web GU 8.1.0.4
* Install and configure Netcool/Impact 7.1.0.4
* Install and configure IBM Operations Analytics Log Analysis 1.3.2
* Install and configure IBM Tivoli Network Manager IP Edition 4.2
* Install and configure IBM Tivoli Netcool Configuration Manager 6.4.2

Before taking this course, make sure that you take the following courses:

* TN025 IBM Netcool/OMNIbus 8.1 Installation and Configuration
* TN045 IBM Tivoli Netcool/Impact Administration and Implementation
* TN324 IBM Tivoli Network Manager IP Edition 4.1.1 Operations and Administration
* TOD30 IBM Operations Analytics Log Analysis 1.3 Administration
* TOS47 IBM Tivoli Netcool Configuration Manager 6.4: Operations and Configuration

**Duration**

3 days

**Skill level**

Intermediate

**Classroom (ILT) setup requirements**

**Table 1. Hardware and operating system**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **System label** | **Machine type and processor** | **RAM** | **Hard disk size** | **Display** | **Operating system** |
| host1 | 2.5 GHz or faster Duo Core | 8192 MB | 60 GB | 1024x768 | RHEL 6.3 64  bit |
| host2 | 2.5 GHz or faster Duo Core | 8192 MB | 60 GB | 1024x768 | RHEL 6.3 64  bit |
| **Table 2. Network** |  |  |  |  |  |
| **System label** | **isolated/single** | **Internet** | **DHCP server** | **Promiscuous mode** | |
| host1 | isolated | not necessary | not necessary | not necessary | |
| host2 | isolated | not necessary | not necessary | not necessary | |

**Table 3. Software other than operating system**

**Software Software Software**

IBM Security Directory Server installed on host1

Mozilla Firefox ESR installed on host1 and host2

IBM Java installed on host1 and host2

# Notes

The following unit and exercise durations are estimates, and might not reflect every class experience.

This course is a new course.

**Course agenda**

1. **Netcool Operations Insight introduction and overview**

Lesson 1 Overview

Lesson 2 Architecture

Exercise 1 Validating the host1 server configuration Estimated time for this unit’s lecture is 45 minutes. Estimated time for this unit’s exercises is 45 minutes.

The primary intent of this unit is to introduce the components in Netcool Operations Insight and describe their roles within the solution.

1. **Installing IBM Netcool Operations Insight base**

Lesson 1 Overview

Lesson 2 Netcool/OMNIbus core Lesson 3 Netcool/OMNIbus Web GUI Lesson 4 Netcool/Impact

Lesson 5 IBM Operations Analytics Log Analysis Exercise 1 DB2

Exercise 2 Netcool/OMNIbus core Exercise 3 Netcool/OMNIbus Web GUI

Exercise 4 Configuring LDAP as an authentication source Exercise 5 Netcool/Impact

Exercise 6 IBM Operations Analytics Log Analysis Estimated time for this unit’s lecture is 60 minutes. Estimated time for this unit’s exercises is 3 hours.

The primary intent of this unit is to provide a brief overview of the steps that are required to install the products for Netcool Operations Insight. The students should already know how to install each of these products. That knowledge is a prerequisite for this class. You need to focus on any steps that are unique to Netcool Operations Insight. For example, make sure the students understand that the Netcool/Impact installation contains an extension that is unique to Netcool Operations Insight.

### Configuring IBM Netcool Operations Insight base

Lesson 1 Configuring Event Search Lesson 2 Verifying Event Search Lesson 3 Configuring Event Analytics Lesson 4 Verifying Event Analytics

Exercise 1 Netcool/OMNIbus Insight Pack Exercise 2 Message Bus Gateway Exercise 3 Configuring Event Analytics

Exercise 4 Verifying Netcool Operations Insight features

Estimated time for this unit’s lecture is 2 hours. You will likely start the lecture on the end of day 1, and complete the lecture on the following day.

Estimated time for this unit’s exercises is 1 hour.

This unit provides the detailed instructions for installing and configuring the features that are unique to Netcool Operations Insight.

### IBM Tivoli Network Manager

Lesson 1 Overview

Lesson 2 Installing Network Manager Lesson 3 Post installation configuration

Lesson 4 Installing and configuring Topology Search Exercise 1 Installing the SNMP probe

Exercise 2 Installing and configuring a topology database Exercise 3 Installing Tivoli Network Manager

Exercise 4 Performing post-installation configuration Exercise 5 Installing the Network Manager Insight Pack

Estimated time for this unit’s lecture is 90 minutes. Estimated time for this unit’s exercises is 3 hours.

In this unit, the students install Network Manager. The students should already know how to install Network Manager. That knowledge is a prerequisite for this class. You need to focus on any steps that are unique to Netcool Operations Insight. For Network Manager, the students need to understand how to install the product and use the V8.1 ObjectServer. You need to focus on the topology search feature which is unique to Networks for Operations Insight.

### IBM Tivoli Netcool Configuration Manager

Lesson 1 Overview

Lesson 2 Creating the database

Lesson 3 Installing Jazz for Service Management Lesson 4 Installing Netcool Configuration Manager Lesson 5 Installing Device Drivers

Lesson 6 Post installation configuration

Lesson 7 Configuring integration with Network Manager Lesson 8 Out-of-band change

Exercise 1 Creating users Exercise 2 Creating the database

Exercise 3 Installing Jazz for Service Management Exercise 4 Installing Netcool Configuration Manager Exercise 5 Installing device drivers

Exercise 6 Post-installation configuration

Exercise 7 Configuring integration with Tivoli Network Manager Exercise 8 Configuring Out-of-Band Change (OOBC) daemon

In this unit, the students install Netcool Configuration Manager. The students should already know how to install Netcool Configuration Manager. That knowledge is a prerequisite for this class. You need to focus on the steps that integrate Netcool Configuration Manager to Netcool Operations Insight. This is primarily the configuration to enable single sign-on.

### Verifying Networks for Operations Insight

Lesson 1 Solution verification

Exercise 1 Starting the network simulator Exercise 2 Solution verification

Estimated time for this unit’s lecture is 1 hour. Estimated time for this unit’s exercises is 1 hour.

In this unit, the students verify the features of Networks for Operations Insights. If the products are installed correctly, the exercises in this unit are straight forward.

# For more information

To learn more about this course and other related offerings, and to schedule training, visit ibm.com/training.

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