

# IBM Tivoli Netcool/OMNibus 7.2 Administration and Configuration

## At a glance

<b>Duration:</b>	5 Days
<b>Delivery method:</b>	Classroom
<b>Language:</b>	English

## Course description

A five day comprehensive training for operators and administrators starting with a basic understanding of the IBM Tivoli Netcool/OMNibus version 7.2 product, how it may be used to manage events in a network computing environment, followed by installation, administration, and configuration of the OMNibus 7.2 solution. Subjects explored include operator usage training - including basic fault management techniques using native v7.2 operator interface(s), installation and licensing procedures, configuring security and component communications, as well as architecture and implementation. Examples of ObjectServer SQL syntax and automations are examined. The main focus is on the deployment, configuration, and everyday maintenance of Netcool/OMNibus 7.2 from the perspective of the administrator. At the outset of the training, students will learn basic operational characteristics and engage in an installation of OMNibus 7.2 on a classroom server, followed by covering the standard configuration objects through classroom exercises.

Over the training period of five days, the practical exercises demonstrate how to perform operation and administrative tasks using the OMNibus Administrator GUI, command line tools, and process control. These exercises are structured to teach the operation, administration and configuration of OMNibus in a network and systems environment. Lab exercises will cover: ObjectServer configuration and options, probes, gateways, and process control.

## Objectives

After completing this course, students will be able to:

- Identify and describe basic features components and concepts of Netcool/OMNibus.
- Use the Conductor
- Use the Event List Alerts View
- Build views using the View Builder
- Build filters using the Filter Builder
- Use basic features of the Event List Monitor Boxes
- Install Netcool/OMNibus and perform licensing and patching tasks. FlexLM licensing is removed in v7.2 - so students will be made aware of new Tivoli licensing.
- Work in the Netcool directory structure
- Understand communications protocols. v7.2 introduces enhancements to IDUC that allow

- alarm 'fast tracking'. This new comms channel will be discussed in depth.
- Create a Netcool ObjectServer
  - Append ObjectServer database structures and properties
  - Work with probes and rules files
  - Use process controls
  - Configure ObjectServer failover and failback. v7.2 introduces failover for automations. Students will learn how to enable/use the automation failover functionality.
  - Understand gateways and configure them.
  - Create statements using ObjectServer Data Definition Language (DDL).
  - Modify menus and create tools
  - Use advanced probe techniques to configure correlation and deduplication
  - Understand automations (database triggers, signal triggers, temporal triggers).
  - Appreciate architecture considerations
  - Administer users, groups, conversions, and classes
  - Describe Object Server health monitoring.
  - Explain internationalization capabilities within OMNIBus.
  - Introduce IPv6 configuration for OMNIBus.
  - Describe the functionality of the IBM online help system - new to v7.2.

#### Course outline

1. DAY 1
  - Components and Concepts
  - Getting Started
  - The Event List
  - Views and Filters
  - Using Tools
2. DAY 2
  - Installation
  - The Directory Structure
  - Communications Protocols
  - The ObjectServer
3. DAY 3
  - Basic Probes
  - Process Control
  - Failover and Failback
  - Gateways
4. DAY 4
  - ObjectServer SQL
  - Menus and Tools
  - Advanced Probe Techniques
5. DAY 5
  - Automations
  - Administration
  - Architecture

#### Who will benefit from this course

This course is designed specifically for any individual who may be technically responsible for design and implementation of a production-ready OMNIBus system. Such individuals may include operations staff, IT support staff, IT engineering staff, IT architects or IT consultants. Independent of operating system specifics, considerable 'server-side' product detail is provided around the administration and functionality of an OMNIBus system. Students should expect exposure to all fundamental elements of OMNIBus.

#### Required skills/knowledge

- A practical understanding of UNIX system administration, specifically:
  - UNIX Editor vi
  - UNIX and Linux directory and command-line structures
  - Basic utilities, such as PS, GREP, Telnet, and FTP
  - Diagnosing and resolving causes of software problems
- TCP/IP, network management, and SNMP
- Basic shell scripting or programming, and database terminology

