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IBM Tivoli Netcool OMNIbus 7.3 Administration and Maintenance Information

**Length:** 4.0 Days  
**Ref:** TN033G-X  
**Delivery method:** Classroom  
**Price:** EUR

Overview

IBM Tivoli Netcool OMNIbus version 7.3 incorporates several advancements over previous versions of this enterprise level operations management solution. This course covers advanced administration configurations such as: Advanced migration topics, TEC migration considerations, product integrations, virtualization support, advanced SQL and query optimization. It also addresses advanced ObjectServer and Webb GUI configurations, new probe and gateway remote installation and configurations, Multitiered architecture, advanced security configurations, new user authentication configurations, best practices and problem resolution. Hands-on labs reinforce the subject matter learned in class.

Public

This advanced course is for existing OMNIbus V7.2.1 and earlier advanced administrators and users. The course is intended to update current skill sets of OMNIbus administrators, implementors, and support personnel to version 7.3 advanced functionality.

Prerequisites

You should have previous Netcool/OMNIbus Configuration**and** Administration experience.

Recommended courses:

- *IBM Tivoli Netcool/OMNIbus 7.3 User (TN013)or (TT013), and*
- *IBM Tivoli Netcool/OMNIbus 7.3 Installation and Configuration (TN023)or (TT023)*

Students who have completed *IBM Tivoli Netcool/OMNIbus 7.2 Administration and Configuration (TN022) or (TT022)* all meet the prerequisites for this course.

Objective

- Describe advanced migration and upgrade procedures
- Utilize TEC migration functionality
- Discuss Globalization
- Configure product integrations and bundle refresh process

- Describe Virtualization feature
- Utilize newly included EIF SDK application and advanced communications
- Utilize advanced command-line SQL for system maintenance
- Configure advance ObjectServer SQL configuration modifications
- Configure and implement advanced probe techniques
- Configure and implement advanced security setups
- Configure and utilize new user authentication processes
- Configure and utilize an advanced multitiered, high availability architecture
- Describe utilization of standards and best practices
- Describe problem resolution methodologies
- Utilize advanced features and configuration tools for the Web GUI interface

## Topics

### Unit 1 - Web GUI and OMNIbus Migrations/Updating

- Licensing considerations and migration
- Version compatibilities
- TEC migration Considerations
- Globalization changes
  - GB18030 Phase 1 compliant
  - Bidi language support
  - Translation
  - Unicode support
  - Support for GB18030
- Bundled release of OMNIbus and Tivoli Network Manager

### Unit 2 - Virtualization and Operating Systems

- Virtualization support
- Operating System and system performance interrelationships

### Unit 3 - Communications

- Distributed Process control
- Advanced communications elements
- Event Integration Facility (EIF) Library inclusion
- Communications protocols

### Unit 4 - Advanced SQL

- Using SQL

- System maintenance
- Creating entities/statements using ObjectServer Data Definition Language (DDL).
- Manipulating Data
- Configuring basic and advanced probe processing
- Creating trigger events - Improve event throughput capability - Review and optimize current default triggers in the ObjectServer
- Creating filters
- Automations
- Tools and menus

## Unit 5 - Advanced Gateways

- Configuring and installing other gateways
- Property values and changes to Bi and UNI gate entities
- ObjectServer configurations
  - Advanced integration w/ CCMDB
  - Event throughput capability
  - Enhanced High Availability

## Unit 6 - Other Probe considerations

- Include EIF libraries and associated functions in OMNIBus
- Generate new event from a probe
- Event flood protection and event rate anomaly detection

## Unit 7 - Security

- FIPS compliance
- SSL and FIPS i.e. ikeyman
- User and Group roles - external authentication and authorizations
- Fully synchronised user and group based security with ObjectServer

## Unit 8 - Tiered Architecture / DSD setup

## Unit 9 - Standards and Best Practices

- Internal diagnostic information
- External diagnostic information
- Tivoli Integration Initiatives 2009 - Solution Health
- Maintaining N-2 Release Compatibility
- Estimating system resource utilization

## Unit 10 - Problem Resolution

- Communication interactions (Webshpere server, TIP portal, Interface File)
- Log files and diagnostics for problem resolution
- IBM Tivoli Health monitoring

#### Unit 11 - Web GUI Advanced Topics

- Maps, pages, server setup, Map configuration management and architecture
- View/Filter setup and administration

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