# Fast Lane

# IBM Tivoli Network Manager IP Edition 4.2 Operations and Administration (TN325G)

**ID** TN325G **Prix** CHF 4 390,– (Hors Taxe) **Durée** 5 jours

## A qui s'adresse cette formation

This course is for administrators, integrators, and users who are responsible for configuring and using Tivoli Network Manager or Network Operations Insight.

## Pré-requis

Before taking this course, you should have the following skills: -

- Basic Linux shell script editing using vi or gedit
- Understanding of the function of routers and switches and layers 2 and 3 of the Open Systems Interconnect (OSI) model
- Understanding of the types of devices that operate at Layer 1 of the OSI model

## Contenu

*Introduction and Architecture*

- Features overview
- Architectural overview
- Troubleshooting with log and trace files
- Architectural considerations

*Discovery Basics*

- How discovery works
- The discovery wizard
- Starting discovery
- Checking discovery status
- Discovery configuration tabs

*Advanced Discovery Options*

- Configure discovery of multicast networks
- Discovery filtering
- Discovering with collectors
- Troubleshooting discovery
- Optimizing discovery

*Visualization Basics*

- Visualization architecture
- Event views
- The Hop View
- Network views
- Link status and capacity
- Tabular and Grid views
- Tools

*Advanced Visualization*

- Path Views
- Topology Editor
- Device Structure Browser
- Bookmarks
- Adding classes and icons
- Cross-domain network views
- Network Health Dashboard
- Create custom dashboards

*Polling*

- Polling architecture
- Polling policies
- Polling definitions
- Manage and unmanage devices and interfaces
- Configure adaptive polling
- Realtime MIB graphing
- Distributed polling
- Troubleshooting information

- Installing Tivoli Common Reporting
- Troubleshooting Cognos

*Optical Transport and Radio Access Networks*

*Understanding DNCIM*

- DNCIM database basics
- Populating DNCIM database
- Mapping information into the MODEL service

*Installing Tivoli Network Manager 4.1.1*

- Installation preparation
- Installing Tivoli Network Manager
- The root user post installation tasks
- Install Tivoli Common Reporting
- Component communications
- Optional configuration of OMNIbus processes running as a non-root user
- Process control
- Starting Tivoli Network Manager

*Customizing Discovery*

- Discovery in-depth
- Creating database tables
- Prepare stitchers to enrich discovery
- Run the custom scripts and stitchers

*Gateway and Network Fault Isolation*

- Architecture and basis concepts
- RCA overview
- Gateway plug-ins
- New rules for special events
- Troubleshooting gateway event processing

*Administrative Perl Scripts*

*Tivoli Network Manager Failover*

- Failover basics
- What happens with failover

*Tivoli Network Manager Reports*

- Overview
- Viewing and scheduling reports
- Cognos and BIRT reports
- Included reports

**Centres de formation dans le monde entier**





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