

# IBM Tivoli Network Manager IP Edition 3.7 Advanced

## At a glance

Duration:	3 Days
Delivery method:	Classroom
Language:	English

## Course description

The IBM Tivoli Network Manager 3.7 Advanced course builds on the foundation of the IBM Tivoli Network Manager IP Edition Fundamentals course. This 3-day course focuses on advanced discovery customization. Custom stitchers are created to enhance topological information or to instantiate devices and connections manually. You will learn how to create custom tables within the Network Connectivity and Information Model (NCIM) database. You will also create a custom database to be used for creating custom network partition views. Network fault isolation techniques (RCA) will be explained, and you will learn how to create custom polling definitions and policies.

## Objectives

Upon completion of this course, you will be able to:

- Explain the discovery stitching process
- Create new discovery stitchers
- Make several of the most often-requested field customizations to IBM Tivoli Network Manager 3.7
- Create new polling definitions and policies
- Explain root cause analysis (RCA) capabilities

## Course outline

1. Review of Tivoli Network Manager Architecture
2. Stitcher language
3. The discovery stitcher process
4. Building a custom stitcher to add Location based on IP address
5. Creating Topoviz Partition View on new custom field
6. Customizing the NCIM Database

7. Building a custom stitcher to use customer-maintained lookup table
8. Building a custom stitcher to set fields based on pattern matching
9. Manually instantiating topology
10. Creating custom polling definitions and policies
11. Enhancing link state polling
12. Adding Management Information Base (MIB) files to Tivoli Network Manager
13. Network Manager-to-OMNibus gateway customization
14. Enriching events with topology information
15. Overview of Network fault isolation and root cause analysis (RCA)

#### Who will benefit from this course

Pre-sales engineers, system integrators, value added resellers (VARs), and Tivoli Network Manager system administrators who will be required to install, configure, and maintain Tivoli Network Manager

#### Required skills/knowledge

You must have a system administrator level understanding of UNIX or Linux, including knowledge of network management. You should also have:

- Knowledge of network management, including SNMP and TCP/IP, routing, switching, and network management systems
- The ability to use the UNIX or Linux vi editor and diagnose scripting errors