

ManageEngine Training



Network Configuration Manager

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The primary objective of this course is to enable you to effectively manage the configurations of your network devices such as switches, routers, firewalls and others with ease using Network Configuration Manager. The duration of the course is two days, with a seven-hour session each day. The duration can be extended subject to consultation and implementation needs if any.

Course Objectives

At the end of this course you will be able to optimally use Network Configuration Manager to:

- Retrieve and maintain versions of all your device configurations
- View, compare, edit and upload configurations from a centralized web-interface
- Monitor configuration changes in real-time and generate notifications
- Prevent unauthorized changes and approve genuine changes
- Define standard practices and policies and automatically examine configurations for compliance
- Generate reports on compliance status
- Automate all device configuration tasks
- <>Get complete record of 'who', 'what' and 'when' of configuration changes

Who Should Attend

IT Managers looking to

- reduce network outages occurring due to faulty configuration changes,
- ensure that configurations comply to a defined set of standard practices, policies & Government regulations
- automate device configuration tasks to reduce operation costs

Network Administrators / Engineers looking to

- maintain versions of device configurations in a secure, centralized repository and manage them from a single interface
- monitor configuration changes in real-time
- automate time-consuming, repetitive configuration tasks
- carry out configuration changes to large number of devices with precision and ease

Network Security Professionals looking to

- ensure that their network devices remain perfectly secure
- prevent unauthorized configuration changes
- keep track of 'who', 'what' and 'when' of configuration changes
- ensure that configurations comply to the security policies of the enterprise

Course Agenda

Introduction

- Network Configuration Management - Challenges
- Network Configuration Manager - A Pragmatic Solution
- What you can do with Network Configuration Manager
- Features
- Benefits
- Supported Device Models

Installation & Basic Settings

- Supported OS
- Minimum Hardware Requirements
- Supported Browsers
- Components of Network Configuration Manager
- Installation Procedure
- Installation as server startup service
- Ports used by Network Configuration Manager
- Mandatory Settings

Getting Started

- Connecting Web-Interface
- Arrangement of Web Interface

Setting up Inventory

- Ways of Adding Devices
 - * Discovery
 - * Manual Addition
 - * Importing Devices
- Providing Credentials
 - * Choosing Protocols
 - * Verifying Credentials
- Creating Credential Profiles
- Grouping Devices

Performing Configuration Operations

- Backing up configuration
- Viewing Device Details
 - * Hardware Details
 - * Basic Device Properties
- Viewing Device Configuration
- Creating Baselines

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- Editing Configuration
 - Creating Drafts
 - Uploading Configuration
 - * Uploading Full Device Configuration
 - * Uploading Select Lines
 - * Uploading a Snippet
 - * Uploading Configuration to Multiple Devices
 - Comparing Configuration Versions

Performing Actions on Devices

- Executing 'show' commands
- Launching telnet connection

Setting up Change Detection

- Detecting configuration changes
 - * Real-time change detection
 - * Scheduled Change detection
- Capturing information on 'who changed' the configuration

Enabling Change Management

- Managing Configuration Changes
- Defining Change Management Rules
- Notifications on configuration changes

Compliance Management

- Defining Compliance Policies
- Creating Compliance Rules
- Running Compliance Check
- Generating Compliance Reports

Role-based Access Control

- Defining roles for users
 - * Administrator
 - * Power User
 - * Operator
- Assigning Devices to Power Users & Operators
- Configuration upload approval

Audit & Reports

- Operation Audit
 - * Details captured by the trails
 - * Viewing the audit records
- Schedule Audit

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- Generating Reports
 - * Network Reports
 - * Configuration Reports
 - * User Reports
 - * Policy Compliance Reports
 - Reports in different formats

Automating Configuration Tasks

- Automation through scripts & templates
- Creating Templates
- Creating Scripts
- Schedules
 - * Creating scheduled tasks for
 - * Configuration Backup
 - * Report Generation and
 - * Compliance Check
- Audit of scheduled tasks
- Managing Schedules

Setting up Disaster Recovery

- Disaster Recovery Options
 - * Backing up the device configuration files
 - * Backing up the entire database
- Restoring backed up data

Miscellaneous Operations & Tools

- Searching Devices
- Searching Configuration
- Exporting Configuration Files
- Database Administration

Use-Cases

Troubleshooting

Tips Best Practices

Maintenance

- Upgrade Process
- Support Process



About ZOH O Corporation

ZOH O Corporation provides affordable software for management and provisioning of complex networks, systems and IT applications. With a broad product portfolio and an active customer base ranging from enterprises, equipment vendors and service providers, ZOH O Corp. has emerged as a very affordable and high-quality alternative to expensive software that is common in this industry. ZOH O Corp. is headquartered in Pleasanton, CA with offices in NJ, NH, India, UK, China and Japan. It has a well-trained partner base around the globe and thousands of customers world-wide.

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