

DX NetOps 22.2.x Spectrum Foundations 200

Course Code: 20NPS20030

Course Description

This **DX NetOps 22.2.x: Spectrum Foundations 200** course will show you how to successfully deploy DX NetOps Spectrum. You will learn about fault management, alarm forwarding, and getting the most from OneClick functionality. You will also be provided with the knowledge to enable you to implement, operate, and maintain a large-scale deployment. In addition, the benefits of installing add-ons will be illustrated using the Spectrum Network Fault Manager Report Manager.

Delivery Method

Instructor-Led Training

Duration

Five days

Course Objectives

- Upon completion of this course, you will be able to:
- Implement DX NetOps Spectrum to optimize your implementation and maximize your return on investment.
- Model the network with DX NetOps Spectrum Discovery to create and automate network management tasks to keep your network model accurate.
- Customize a topology view to make it easier to understand.
- Configure user security to help ensure that only authorized users gain access to specific network components.
- Manage DX NetOps Spectrum databases so you can quickly restore them in the event of a system failure.
- Investigate fault isolation and alarm notification to resolve alarms efficiently.
- Establish a distributed SpectroSERVER environment to manage your network that might be too large or geographically remote to manage with a single SpectroSERVER.
- Create a fault-tolerant environment to automatically assume control of network monitoring.

Hands-On

This course includes practical hands-on exercises that enable you to test your new skills and begin to use those skills in a working environment.

Prerequisites

- None

Additional Courses Available

- DX NetOps 22.2.x: Spectrum Optimization and Customization 300
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Course Outline

Module 1: Define DX NetOps Spectrum

- Describe DX NetOps Spectrum
- Describe the architecture
- Define the directory structure

Module 2: Model the Network with DX NetOps Spectrum Discovery

- Configure discovery
- Schedule discovery
- Configure DX NetOps Spectrum for SNMPv3
- Perform service provider discovery
- Configure automatic trap-based modeling

Module 3: Model Networks

- Annotate a view
- Model a network manually
- Employ special model types

Module 4: Navigate OneClick

- Navigate OneClick
- Navigate OneClick WebApp
- Navigate CA Business Intelligence Reports and Dashboards

Module 5: Manipulate Models

- Run searches
- Create Custom Searches
- Edit model attributes
- Implement Global Collections
- Set up server monitoring

Module 6: Configure User Security

- Configure user access
- Secure network models
- Create a custom role
- Configure preferences
- Configure LDAP authentication.

Module 7: Manage DX NetOps Spectrum Databases

- Backup and restore the SpectroSERVER database.
- Backup and restore the DDM database.

Module 8: Investigate Fault Isolation and Alarm Notification

- Describe fault isolation
- Automate alarm notifications

Module 9: Manage DX NetOps Spectrum Processes with processd

- Modify processd behavior
- Manage processd with cmdC

Module 10: Establish Spectrum Performance View

- Investigative Spectrum performance views
- Describe the Spectrum Performance View architecture
- Identify distributed SpectroSERVER prerequisites
- Identify how to set up Spectrum Performance View
- Investigate Global Collections
- Enable Trap Director

Module 11: Create a Fault-Tolerant Environment

- Describe the fault-tolerant SpectroSERVER architecture.
 - Describe failover scenarios and standby mode
Identify OneClick guidelines for fault tolerance and load balancing.
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