

Operations Manager 2007 - Management Pack Development and Reporting

Number of Days: Four (4)

This course is designed for the Operations Manager Administrator or Application Subject Matter Expert within an organization that is tasked with the creation of Management Packs to monitor applications used within their organization.

Instructors:

The instructors that deliver this course are experienced, enterprise consultants who have experience in the deployment of Operations Manager. All of our instructors have real-world expertise and are both accomplished consultants and excellent presenters that make the delivery interesting and provide insight into real world issues that they have had to provide solutions to.

Description:

This class is designed to provide attendees with the knowledge they require to create a custom Management Pack. The hands-on labs in this class will walk the attendees through the process of creating a custom Management Pack from the design and planning stages through to the creation of reports. This class will use a 'popular' application and step through the MP development process as an exercise that results in a production quality MP that can be used in a production environment.

This class consists of the following sessions:

- Session 1:** Management Pack Overview
- Session 2:** Management Pack Authoring Tools
- Session 3:** XML Basics
- Session 4:** Management Pack Best Practices
- Session 5:** Architecting Management Pack Design
- Session 6:** Object Discoveries
- Session 7:** Groups
- Session 8:** Monitors
- Session 9:** Rules
- Session 10:** Tasks
- Session 11:** Views
- Session 12:** Reporting Overview
- Session 13:** Understanding The Data Warehouse
- Session 14:** T-SQL Basics
- Session 15:** Creating A Basic Report
- Session 16:** Creating A Linked Report
- Session 17:** Advanced Authoring Concepts

Session 1: Management Pack Overview

At the end of this session you will:

- Understand model based design and service definition models
- Understand the basic elements of a management pack
- Understand the lifecycle of management pack development
- Understand health rollup in management packs

Session 2: Management Pack Authoring Tools

At the end of this session you will:

- Understand the different tools available for use in developing management packs

Session 3: XML Basics

At the end of this session you will:

- Understand the different tools available for use in developing management packs

Session 4: Management Pack Best Practices

At the end of this session you will:

- Understand the different management pack best practices and how to apply them to your development of management packs

Session 5: Architecting Management Pack Design

At the end of this session you will:

- Understand how to define the Health Model of a management pack
- Understand how to define references and relationships in a management pack
- Understand how to define object classes and discoveries

Session 6: Object Discovery

At the end of this session you will:

- Understand how to create object discoveries through a variety of methods.

Session 7: Groups

At the end of this session you will:

- Understand how to create groups in a management pack

Session 8: Monitors

At the end of this session you will:

- Understand the different monitor types available in a management pack, and when to use each type
- Learn how to create monitors using a variety of methods

Session 9: Rules

At the end of this session you will:

- Understand the different rule types available in a management pack, and when to use each type
- Learn how to create rules using a variety of methods.

Session 10: Tasks

At the end of this session you will:

- Understand the different types of tasks available in a management pack
- Learn how to create tasks for a management pack

Session 11: Views

At the end of this session you will:

- Understand how to create different views in a management pack

Session 12: Reporting Overview

At the end of this session you will:

- Understand how reports work in Operations Manager
- Understand how reports are contained within a management pack

Session 13: Understanding the Data Warehouse

At the end of this session you will:

- Understand the schema of the Operations Manager Data Warehouse
- Understand the key views and tables used for reporting

Session 14: T-SQL Basics

At the end of this session you will:

- Have a basic understanding of T-SQL and how it can be used to create queries for future reports.

Session 15: Creating a Basic Report

At the end of this session you will:

- Learn how to create a basic report and include it in a management pack
- Learn how to add parameters to a report

Session 16: Creating a Linked Report

At the end of this session you will:

- Learn how to create a linked report in a management pack

Session 17: Advanced Authoring Concepts

At the end of this session you will:

- Understand some advanced authoring concepts in management pack development, including creating a custom data source and a custom unit monitor