55114: Planning, Deploying and Managing Microsoft Project Server 2010

Duration: 3 Days
Method: Instructor-Led

Course Description

The goal of this three-day instructor-led course is to provide students with the knowledge and skills necessary to effectively plan, deploy and manage Microsoft Project Server 2010.

Target Audience

This course is intended for:

- Administrators
- Systems Engineers
- PMO Managers
- Project Managers
- Consultants
- Persons responsible for the deployment and management of a Microsoft Project and Portfolio Management (PPM) Solution using Project Server 2010

Prerequisites

Before attending this course, participants must have:

- Microsoft Windows Server 2003/2008 networking
- Microsoft Project Professional
- Basic project management concepts

Course Completion

After completing this course, participants will be able to:

- Describe and plan the Microsoft EPM Infrastructure deployment
- Install and configure IIS 7 Web Services and SQL Server 2008
- Deploy SharePoint and Project Server 2010
- Create enterprise custom fields
- Configure and manage views and security
- Configure and manage time and task management settings
- Customize Project sites
- Import projects and resources
- Work with Project Server Administration tools
- Backup and Restore Project Server 2010

Course Outline

Module 1: Planning to Deploy Project Server 2010

- What's New in Project Server 2010?
- Logical Architecture
  - Client Tier
  - Web Tier
  - Application Tier
  - Database Tier
- Physical Architecture
  - Non-Redundant Configurations
  - High Availability Configurations
- SharePoint Site Architecture
  - Project Professional 2010 Requirements
  - Project Web App Requirements
  - Project Server 2010 Requirements

Module 2: Installing and Configuring Prerequisites

- Creating Service Accounts
  - Overview of Service Accounts
  - Stand-Alone Installation
  - Service Accounts Required
  - Single-Server/Multi-Server Farm Installation
  - Security Groups Required
- Installing and Configuring IIS 7
  - Install IIS 7 using Server Manager
  - Install IIS 7 using PowerShell Script
  - Understanding Web Application Pools
  - Create a Web Site

Lab: Creating Service Accounts
Lab: Installing and Configuring IIS 7
Lab: Configuring SQL Server

Module 3: Deploying and Configuring SharePoint and Project Server 2010

- Installing Software Prerequisites
  - SharePoint 2010 Products Preparation Tool
  - Manual Installation of Prerequisite Software
- Installing SharePoint and Project Server 2010
  - SharePoint Setup Program
  - Standalone Installation
  - Farm Installation
  - Project Server Setup Program
- Configuring SharePoint Server 2010
  - SharePoint 2010 Products Configuration Wizard
  - Running the Farm Configuration Wizard
  - Manually Configuring SharePoint Services
  - Creating Service Applications
  - Configuring Outgoing E-mail
  - Configuring a Multi-Server Farm
- Creating and Configuring a PWA Site
  - Creating a Web Application-Claims-Based Authentication
  - Provisioning a Project Web App Site
  - Creating a Web Application-Classic Mode Authentication

Lab: Installing Prerequisite Software
Lab: Configuring SharePoint and Project Server 2010
Lab: Creating and Configuring a PWA Site
Lab: Installing SharePoint and Project Server 2010

Module 4: Configuring Project Server Clients

- Microsoft Project Professional 2010
  - Overview of Microsoft Project 2010
  - Installing Microsoft Professional
  - Logging on to Project Server
  - Local Project Cache
  - Managing Local Project Cache
  - Difference between Authentication and Authorization
  - Creating a Project Server Authentication Profile
- Working with Project Web App
  - Logging on to PWA using Internet Explorer
  - Signing In and Signing Out of PWA
  - Adding a PWA Site to Trusted Sites Zone
- Configuring Exchange Server Integration
  - Enabling Exchange Synchronization for PWA Site
  - Creating a PWA User Account for each Exchange CAS
  - Modifying Project Server Users for Exchange Sync
  - Configuring Impersonation Permissions

Lab: Working with Project Web App
Lab: Configuring Project Professional 2010
Lab: Configuring Exchange Server Integration

Module 5: Configuring Project Server Settings

- Configuring Time and Task Settings
  - Configuring Fiscal Periods
  - Configuring Time Reporting Periods
  - Configuring Task Settings and Display
- Configuring Timesheet Settings
  - Configuring Timesheet Settings and Defaults
  - Creating Line Classifications
  - Configuring Administrative Time
- Configuring Operational Policies
  - Configuring Alerts and Reminders
  - Configuring Additional Server Settings
  - Configuring Server-Side Event Handlers
  - Configuring Project Site Settings
  - Configuring Project Site Provisioning Settings
  - Active Directory Enterprise Resource Pool Synchronization

Lab: Configuring Timesheet Settings
Lab: Configuring Project Site Provisioning Settings
Lab: Configuring Operational Policies

Module 6: Configuring Enterprise Data Settings

- Configuring Enterprise Custom Fields
  - Overview of Custom Fields
  - Enterprise Custom Fields
  - Configuring Enterprise Field Definitions
  - Creating Enterprise Custom Field Definitions
  - Creating Lookup Tables
  - Preconfigured Enterprise Custom Fields
- Configuring Enterprise Objects
  - Resource Breakdown Structure
  - Security Rules and the RBS
  - Configuring the Enterprise Global
  - Configuring Enterprise Calendars
- Importing Resource and Project Data
  - Overview of Importing Data
  - Importing Projects to Enterprise
  - Importing Resources to Enterprise

Lab: Configuring Enterprise Custom Fields
Lab: Importing Resources and Projects
Lab: Configuring Enterprise Objects

Module 7: Managing Project Server Security

- Overview of Project Server Security
  - Project Server Security Workflow
  - Project Server Security Entities
  - Project Server Users
  - Project Server Groups
  - Project Server Categories
- Understanding Security Permissions
  - Project Server Security Permissions
  - Global Permissions
  - Category Permissions
  - Category Dynamic Rules
  - Security Templates
- Creating Project Server Users
  - Creating Project Server Users using PWA
  - Creating Project Server Users using STSADM
- Creating Project Server Groups
  - Overview of Project Server Groups
  - Creating Project Server Groups using STSADM
  - Creating Project Server Groups using PWA
  - Configuring Active Directory Synchronization for Groups
- Creating Project Server Categories
  - Overview of Project Server Categories
  - Creating Project Server Categories using PWA
  - Creating Project Server Categories using STSADM

Lab: Creating Security Templates
Lab: Creating Project Server Users
Lab: Installing and Configuring Windows 7
Lab: Working with Project Server Categories

Module 8: Configuring OLAP Cubes and Views

- Configuring Analysis Services
  - Overview of OLAP Cubes
  - How Project Server Creates OLAP Cubes
  - Requirements for SQL Server Analysis Services
- Configuring and Building the OLAP Database
  - Customizing OLAP Database Configuration
  - Configuring the OLAP Database Build Settings
  - Configuring Clients to View OLAP Cubes
- Creating and Modifying Views
  - Overview of Views
  - Creating or Modifying Views

Lab: Creating and Modifying Views
Lab: Configuring and Building the OLAP Database
Lab: Configuring SQL Server Analysis Services

Module 9: Customizing Project Sites
- Working with Project Sites
  - Working with Risks
  - Working with Issues
  - Working with Document Libraries
  - Working with Deliverables
  - Project Site Permissions
- Working with SharePoint Web Parts
  - Web Part Security
  - Adding Web Parts to Project Site
  - Adding a Web Part in the Web Part Gallery
- Treating a Custom Project Site Template
  - Customize the Project Site
  - Save the Site as a Template
  - Modify Project Site Provisioning Settings

Lab: Working with SharePoint Web Parts
Lab: Working with Project Site Templates

Module 10: Project Server Administration
- Working with Administration Tools
  - SharePoint Developer Dashboard
  - Health Analyzer
  - Diagnostic Logs
  - Best Practices with Diagnostic Logs
- Project Server Database Administration
  - Deleting Enterprise Objects
  - Forcing Check-In Enterprise Objects
  - Backing Up and Restoring Project Server Data
- Project Server Disaster Recovery
  - Backing Up and Restoring Databases using SharePoint Central Administration
  - How to Back Up a SQL Server Database
  - How to Restore a SQL Server Database

- Appendix A
- Configuring Forms Based Authentication
  - Overview of Forms Based Authentication
  - Creating a SQL Server Database to Store FBA Users
  - Configuring FBA Objects on SQL Server
  - Configuring IIS Web Sites to use SQL Provider
  - Adding Extranet Users using the IIS Console
  - Crating a DNS Alias (CNAME) Record
  - Extending the PWA Web Application

Lab: Working with Administration Tools
Lab: Working with Database Administration
Lab: Backing Up and Restoring Project Server Databases
Lab: Configuring Forms Based Authentication