



Preliminary Course Syllabus

Planning, Deploying, and Managing an Enterprise Management Solution

Elements of this syllabus are subject to change.

The goal of this five-day instructor-led course is to provide systems engineers with the knowledge and skills necessary to effectively plan, deploy, and manage a Microsoft® Office Project Server 2003 solution.

Key Data

Course #: 2732

Number of Days: 5

Format: Instructor-Led

Certification Exams: 70-281

This course helps you prepare for the following Microsoft Certified Professional exams:

70-281: *Planning, Deploying, and Managing an Enterprise Management Solution*

Certification Track: MCSE

This course syllabus should be used to determine whether the course is appropriate for the students, based on their current skills and technical training needs.

Course content, prices, and availability are subject to change without notice.

Audience

Candidates for this course are IT professionals who operate in medium to very large computing environments that use the Microsoft Windows Server™ 2003 operating system. Typical environments in which they work have the following characteristics:

- Supported users ranging from 200 to 5,000 or more
- Multiple physical locations

Typical products and technologies include Windows Server 2003, Internet Information Services (IIS), Microsoft Windows® SharePoint™ Services, Microsoft SQL Server™, Project Server 2003, Microsoft Project Professional 2003, SQL Analysis Services, Office Web components and messaging and collaboration platforms, and network security products and technologies.

At Course Completion:

After completing this course, students will be able to:

- Plan a Project Server infrastructure.
- Plan the deployment of Project Server.
- Install and configure Project system servers.
- Install Project Server 2003.
- Plan client software distribution.
- Deploy client software.
- Plan Project Server 2003 operations.
- Configure and manage resource and project data.
- Configure and manage views and security.
- Administer Project Server 2003.
- Migrate project data.
- Plan the testing of a Project Server 2003 deployment.
- Troubleshoot Project Server 2003.

Prerequisites

Before attending this course, students must have:

- Completed Course 2279, *Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure*.
- A working knowledge of basic project management concepts.

Student Materials

The student kit includes a comprehensive workbook and other necessary materials for this class.

For a referral to a Microsoft Certified Technical Education Center in your area, see the Microsoft Training and Certification Web site at <http://www.microsoft.com/traincert>. Call your local Microsoft Certified Technical Education Center for more information and to register for classes.

Module 1: Overview to Project Server 2003 Deployment

During the deployment of a Project Server 2003 infrastructure, a systems engineer must know the terminology used in project management and in Project Server 2003. In this module, the students are introduced to these terms and how they are used. In addition, the students must analyze functional specifications as they are written by the business analyst and project manager. This module discusses the components of the functional specifications, and the relationships of other job roles in a Project Server 2003 solution.

Lessons
<ul style="list-style-type: none">▪ Introduction to Project Server 2003▪ Deploying Project Server 2003
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Identifying Project Server 2003 Components▪ Practice: Deploying Project Server 2003▪ Practice: Project Server 2003 Deployment Process▪ Lab: Overview of Project Server 2003 Deployment

After completing this module, students will be able to:

- Describe an overview of the Project Server 2003 architecture.
- Describe an overview of Project Server 2003 deployment.

Module 2: Planning the Project Server 2003 Infrastructure

This module covers the tasks, tools, and knowledge needed to plan the Project Server infrastructure. The module explains what the components are within the infrastructure and how to plan for optimum usage.

Lessons
<ul style="list-style-type: none">▪ Introduction to the Logical Architecture of Project Server 2003▪ Analyzing Current Infrastructure▪ Planning for High Availability and Scalability▪ Planning the Physical Architecture for Project Server 2003▪ Planning Security for System Servers
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Introduction to the Logical Architecture of Project Server 2003▪ Practice: Analyzing Current Infrastructure▪ Practice: Planning for High Availability and Scalability▪ Practice: Planning the Physical Architecture for Project Server 2003▪ Practice: Planning Security for System Servers▪ Lab: Planning the Project Server 2003 Infrastructure

After completing this module, students will be able to:

- Describe the logical architecture of Project Server 2003.
- Analyze the current infrastructure.
- Plan for high availability and scalability.
- Plan the physical architecture for Project Server 2003.
- Plan security for system servers for Project Server 2003.

Module 3: Installing and Configuring Project System Servers

This module covers the tasks, tools, and knowledge needed for installing and configuring Project system servers.

Lessons
<ul style="list-style-type: none">▪ Creating Service Accounts▪ Configuring IIS 6.0▪ Configuring SQL Server for Project Server 2003 Installation▪ Configuring Windows SharePoint Services
Practices
<ul style="list-style-type: none">▪ Practice: Creating Service Accounts▪ Practice: Configuring IIS 6.0▪ Practice: Configuring SQL Server for Project Server 2003 Installation▪ Practice: Configuring Windows SharePoint Services

After completing this module, students will be able to:

- Create service accounts.
- Install and configure IIS 6.0 servers.
- Configure SQL Server for Project Server 2003 installation.
- Install and configure Windows SharePoint Services.

Module 4: Implementing Project Server 2003

This module covers the tasks, tools, and knowledge needed to complete the installation and configuration of Project Server 2003, and to confirm that the connectivity to the Project system servers is complete.

Lessons
<ul style="list-style-type: none">▪ Lesson: Installing Project Server 2003▪ Lesson: Migrating SQL Analysis Services Repository
Practices
<ul style="list-style-type: none">▪ Practice: Installing Project Server 2003▪ Practice: Migrating the SQL Analysis Services Repository

After completing this module, students will be able to:

- Install and configure Project Server 2003.
- Migrate the SQL Analysis Services repository.

Module 5: Planning the Deployment of Project Server 2003 Clients

This module covers the tasks, tools, and knowledge needed to plan deployment of Project Server. Students will learn how to plan for client software distribution.

Lessons
<ul style="list-style-type: none">▪ Selecting Client Software▪ Planning Client Software Deployment
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Planning Deployment of Project ActiveX® Controls and Project Web Access▪ Practice: Planning Client Software Deployment▪ Lab: Planning the Deployment of Project Server 2003 Clients

After completing this module, students will be able to:

- Plan the selection of client software.
- Plan client software deployment.
- Plan post-installation testing.

Module 6: Deploying Client Software

This module describes how to determine the configuration and connectivity of client software used to access Project Server. The module will cover the two available client-end options: Project Professional and Microsoft Internet Explorer.

Lessons
<ul style="list-style-type: none">▪ Deploying Project Professional 2003▪ Creating a Custom Installation of Project Professional 2003▪ Connecting Project Professional 2003 to Project Server 2003▪ Configuring Project Web Access Client Computers▪ Configuring Outlook Integration for Project Server 2003 Clients
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Creating an Administrative Installation Point▪ Practice: Creating a Custom Installation of Project Professional 2003▪ Practice: Connecting Project Professional 2003 to Project Server 2003▪ Practice: Configuring Project Web Access Client Computers▪ Practice: Configuring Outlook Integration for Project Server 2003 Clients▪ Lab: Deploying Client Software

After completing this module, students will be able to:

- Deploy Project Professional 2003.
- Create a custom installation of Project Professional 2003.
- Connect Project Professional 2003 to Project Server 2003.
- Configure Project Web Access client computers.
- Configure Microsoft Outlook® Integration for Project Server 2003 clients.

Module 7: Planning Project Server 2003 Operations

This module covers the tools, tasks, and knowledge required to plan a Project Server 2003 operation, including planning the security structure, using Active Directory® to integrate Project Server 2003 resource pools and security groups, and importing or migrating existing project data.

Lessons
<ul style="list-style-type: none">▪ Planning the Project Server 2003 Security Structure▪ Integrating Project Server 2003 with Active Directory▪ Planning to Import Existing Data▪ Planning Project Data Migration▪ Planning Disaster Recovery
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Planning the Project Server 2003 Security Structure▪ Practice: Integrating Project Server 2003 with Active Directory▪ Practice: Planning to Import Existing Data▪ Practice: Planning Project Data Migration▪ Practice: Planning Project Server 2003 Disaster Recovery▪ Lab: Planning Project Server 2003 Operations

After completing this module, students will be able to:

- Plan a Project Server 2003 security structure.
- Create a plan to integrate Project Server 2003 with Active Directory.
- Plan the importation of existing data.
- Plan project data migration.
- Plan Project Server 2003 disaster recovery.

Module 8: Configuring and Managing Resource and Project Data

This module describes how to determine the configuration and connectivity of client software used to access Project Server. Lessons presented in this module will cover the two client-end options that are available: Project Professional and Internet Explorer.

Lessons
<ul style="list-style-type: none">▪ Configuring Enterprise Custom Fields▪ Configuring Enterprise Outline Codes▪ Creating Enterprise Calendars▪ Importing Resource and Project Data into the Enterprise▪ Creating Generic Resources▪ Associating Resources with the Enterprise Custom Fields and Outline Codes▪ Editing Resource Calendars
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Configuring Enterprise Custom Fields▪ Practice: Configuring Enterprise Outline Codes▪ Practice: Creating Enterprise Calendars▪ Practice: Importing Resources into a Resource Pool▪ Practice: Creating Generic Resources▪ Practice: Associating Resources with the Enterprise Custom Fields and Outline Codes▪ Practice: Creating Resource Calendars▪ Lab: Configuring and Managing Resource and Project Data

After completing this module, students will be able to:

- Configure Enterprise custom fields.
- Configure Enterprise outline codes.
- Create Enterprise calendars.
- Import resources into the Enterprise resource pool.
- Create generic resources.
- Associate resources with Enterprise custom fields and outline codes.
- Edit resource calendars.

Module 9: Configuring and Managing Views and Security

This module describes how to configure views and security for Project Server.

Lessons
<ul style="list-style-type: none">▪ Configuring Enterprise Features▪ Creating and Configuring OLAP Cubes▪ Creating Portfolio Analyzer Views▪ Creating Project, Resource, and Assignment Views▪ Configuring Project Server Security▪ Configuring Account Synchronization
Practices and Lab

Course Outline • Planning, Deploying, and Managing an Enterprise Management Solution

- Practice: Configuring Enterprise Features
- Practice: Creating and Configuring OLAP Cubes
- Practice: Creating Portfolio Analyzer Views
- Practice: Creating Project, Resource, and Assignment Views
- Practice: Configuring Project Server Security
- Practice: Configuring Account Synchronization
- Lab: Configuring and Managing Views and Security

After completing this module, students will be able to:

- Configure Enterprise features.
- Create and configure the online analytical processing (OLAP) cube.
- Create Portfolio Analyzer views.
- Create Project, Resource, and Assignment views.
- Configure Project Server 2003 security.
- Configure account synchronization.

Module 10: Administering an Enterprise Project Management Solution

This module describes how to administer an Enterprise Project Management solution.

Lessons
<ul style="list-style-type: none">▪ Managing Project Server 2003 Features▪ Configuring Tracking Settings▪ Managing Windows SharePoint Services
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Managing Project Server Features▪ Practice: Configuring Tracking Settings▪ Practice: Managing Windows SharePoint Services▪ Lab: Administering an Enterprise Project Management Solution

After completing this module, students will be able to:

- Manage Project Server 2003 features.
- Configure tracking settings.
- Manage Windows SharePoint Services.

Module 11: Migrating Project Data

This module describes how to migrate project data for use with Project Server 2003.

Lessons
<ul style="list-style-type: none">▪ Migrating Project Data from Previous Versions of Microsoft Project▪ Migrating SharePoint Team Services Data
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Migrating Project Data from Previous Versions of Microsoft Project▪ Practice: Migrating SharePoint Team Services Data▪ Lab: Migrating Project Data

After completing this module, students will be able to:

- Migrate project data from previous versions of Microsoft Project.
- Migrate SharePoint Team Services data.

Module 12: Planning Testing

Course Outline • Planning, Deploying, and Managing an Enterprise Management Solution

This module covers how to plan for the testing of Project Server 2003 deployment.

Lessons
<ul style="list-style-type: none">▪ Monitoring Role-Based Performance▪ Creating a Test Plan for Project Server 2003
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Monitoring Role-Based Response Times▪ Practice: Creating a Test Plan for Project Server 2003▪ Lab: Planning Testing

After completing this module, students will be able to:

- Monitor role-based performance.
- Create a test plan for Project Server 2003.

Module 13: Troubleshooting Project Server 2003

This module describes how to troubleshoot Project Server 2003.

Lessons
<ul style="list-style-type: none">▪ Lesson: Project Server 2003 Data Flow Paths▪ Lesson: Introduction to Project Server 2003 Troubleshooting Tools▪ Lesson: Troubleshooting Project Server 2003 Issues
Practices and Lab
<ul style="list-style-type: none">▪ Practice: Project Server 2003 Troubleshooting Tools▪ Lab: Troubleshooting Project Server 2003

After completing this module, students will be able to:

- Describe Project Server 2003 data flow paths.
- Describe Project Server 2003 troubleshooting tools.
- Describe troubleshooting for Project Server 2003 issues.

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