



## Course Outline

### Course 6064A: Implementing and Managing a Windows Mobile Infrastructure

#### About this Course

This three-day instructor-led course provides in-depth knowledge on implementing and managing Windows Mobile 6.

#### Audience Profile

The audience for this course includes people with 2 or more years experience working with previous versions of Exchange Server. Most students will have basic knowledge about Exchange Server 2007 and will have managed enterprise-level Exchange Server organizations. Students are expected to be new to participating in designing Windows Mobile solutions for Exchange Server 2007 or be planning to design a Windows Mobile 6 infrastructure for Exchange Server 2007 in the near future. Students may have done some mobility deployment for Exchange Server 2003 but want to learn how to deploy Windows Mobile 6 in the Exchange Server 2007 environment.

#### At Course Completion

After completing this course, students will be able to:

- Identify the components of a Windows Mobile infrastructure.
- Use Windows Mobile in a business environment.
- Implement ActiveSync for Windows Mobile.
- Implement System Center Mobile Device Manager.
- Configure Exchange Server 2007 for Windows Mobile.
- Configure the security framework for Windows Mobile.
- Configure SQL Server for Windows Mobile.
- Configure applications on Windows Mobile devices.
- Use and manage advanced Windows Mobile features.

#### Prerequisites

Before attending this course, students must have:

- Around 2-3 years of experience in installing, configuring and managing Exchange Server
- Basic knowledge about the features of Exchange Server 2007
- Basic knowledge about the features of SQL Server 2005
- At least one year of experience in installing, configuring, and managing Exchange Server in an Active Directory environment
- At least one year of experience in working with Windows Server 2003 (including TCP/IP and DNS)
- Working experience (one year or more) with Active Directory Directory Service
- Familiarity with mobile and general network security concepts:
  - Firewalls
  - Reverse proxy
  - Certificates
- Basic knowledge of Security protocols such as EAP, TLS, WPA, WEP, and 802.1x
- Familiarity in using mobile e-mail devices



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#### ***Module 1: Introduction to Planning a Windows Mobile Infrastructure***

##### **Lessons**

- Overview of Windows Mobile
- Understanding Mobile Phone Connectivity
- Customizing Mobile Devices

##### **Lab : Managing Applications on Windows Mobile Devices**

- Managing Mobile Devices and Files
- Configuring Buttons to Launch an Application
- Configuring Mobile Messaging Protocols

After completing this module, students will be able to:

- Identify the components and features of Windows Mobile.
- Describe the mobile phone connectivity options for Windows Mobile devices.
- Customize mobile devices

#### ***Module 2: Using Windows Mobile in the Business Environment***

##### **Lessons**

- Preparing for the Implementation of Windows Mobile
- Enterprise Data Access Considerations
- Connecting to Resources by Using Windows Mobile

##### **Lab : Selecting an Appropriate Edition, Device Type, and Data Plan**

- Identifying an Appropriate Windows Mobile Edition, Device Type, and Data Plan
- Identifying an Appropriate Method to Access Data

After completing this module, students will be able to:

- Create an implementation plan for the deployment of Windows Mobile.
- Apply the considerations for securely accessing enterprise data.
- Access Windows SharePoint from Windows Mobile.

#### ***Module 3: Implementing ActiveSync***

##### **Lessons**

- Selecting a Synchronization Method
- Configuring Desktop Synchronization
- Troubleshooting ActiveSync Problems

##### **Lab : Managing Synchronization Options for Windows Mobile Devices**

- Selecting a Synchronization Method
- Troubleshooting EAS Synchronization Issues with the Server
- Troubleshooting EAS Issues on the Client



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- Troubleshooting EAS Issues on the Desktop
- After completing this module, students will be able to:
- Select a synchronization method.
  - Configure desktop synchronization.
  - Troubleshoot ActiveSync problems

### ***Module 4: Implementing Microsoft System Center Mobile Device Manager***

#### **Lessons**

- Overview of Microsoft System Center Mobile Device Manager
- Understanding the Working of Microsoft System Center Mobile Device Manager
- Planning the Microsoft System Center Mobile Device Manager Infrastructure
- Enrolling Devices in Microsoft System Center Mobile Device Manager
- Managing Group Policy by Using Microsoft System Center Mobile Device Manager

#### **Lab : Implementing Microsoft System Center Mobile Device Manager**

- Determining the Prerequisites for Using System Center Mobile Device Manager
  - Enrolling Devices in System Center Mobile Device Manager
  - Creating a Group Policy by Using Group Policy Management Console
- After completing this module, students will be able to:

- Describe System Center Mobile Device Manager.
- Explain the working of System Center Mobile Device Manager.
- Plan for the System Center Mobile Device Manager infrastructure.
- Explain the process of enrolling devices in System Center Mobile Device Manager.
- Manage group policy by using System Center Mobile Device Manager.

### ***Module 5: Planning the Exchange Server Infrastructure to Support Windows Mobile***

#### **Lessons**

- Evaluating Server Requirements for a Windows Mobile Infrastructure
- Planning for a Single Server Infrastructure
- Planning for Securing Internet Connectivity
- Configuring Exchange Server 2007 for Mobile Messaging
- Configuring Device Policies
- Managing Exchange ActiveSync

#### **Lab : Planning the Exchange Server Infrastructure to Support Windows Mobile**

- Evaluating the Requirements for a Windows Mobile Infrastructure
  - Planning for a Single Server Infrastructure
  - Preparing the Exchange Server for Secure Mobile Messaging Configuration
  - Configuring Device Policies
  - Managing Exchange ActiveSync
- After completing this module, students will be able to:

- Evaluate the server requirements for a Windows Mobile infrastructure.
- Create a plan for a single server infrastructure.



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- Create a plan for securing Internet connectivity.
- Configure Microsoft Exchange Server 2007 for mobile messaging.
- Configure device policies.
- Manage Exchange ActiveSync

### ***Module 6: Managing Security for Windows Mobile Devices***

#### **Lessons**

- Configuring ISA Server for Mobility
- Managing Mobile Devices by Using CSPs

#### **Lab : Managing Security for Windows Mobile Devices**

- Configuring Reverse Proxy for Outlook Web Access
- Configuring Reverse Proxy for Exchange ActiveSync Publishing

After completing this module, students will be able to:

- Configure Internet Security and Acceleration Server for mobility.
- Manage mobile devices by using configuration service providers.

### ***Module 7: Configuring SQL Server for Windows Mobile***

#### **Lessons**

- Configuring Microsoft SQL Server 2005 Compact Edition for Mobility
- Providing Mobile Users Access to Enterprise Data

#### **Lab : Configuring SQL Server for Windows Mobile**

- Creating and Configuring Publications for Mobile Devices
- Creating SQL Server Subscriptions on Mobile Devices
- Testing the Configuration by Using the Windows Mobile 6 Professional Emulator

After completing this module, students will be able to:

- Configuring Microsoft SQL Server 2005 Compact Edition for Mobility.
- Providing mobile users Access to enterprise data.

### ***Module 8: Application Configuration for Windows Mobile***

#### **Lessons**

- Applications for Windows Mobile
- Installing and Removing Applications
- Configuring SharePoint Team Site
- Accessing SharePoint Team Site

#### **Lab : Application Configuration for Windows Mobile**

- Installing and Removing an Application
- Creating and Accessing a SharePoint Server 2007 Team Site
- Accessing a SharePoint Site from a Windows Mobile Device on the Internet



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After completing this module, students will be able to:

- Explain the different types of applications for Windows Mobile.
- Install and remove applications on Windows Mobile.
- Configure the SharePoint team site on Windows Mobile.
- Access the SharePoint team site from Windows Mobile.

### ***Module 9: Working with Advanced Windows Mobile Features***

#### **Lessons**

- Using Certificates on Windows Mobile
- Troubleshooting Common Problems While Installing Certificates
- Troubleshooting Common Issues With System Center Mobile Device Manager
- Installing and Configuring Self Service Portal

#### **Lab : Working with Advanced Windows Mobile Features**

- Installing a Certificate on Windows Mobile
- Troubleshooting System Center Mobile Device Manager Issues

After completing this module, students will be able to:

- Use certificates on Windows Mobile devices.
- Troubleshoot common problems while installing certificates on Windows Mobile.
- Troubleshoot common issues with System Center Mobile Device Manager.
- Install and configure Self Service Portal.