



Key Data

Course #: 8355A

Number of Days: 3

Availability: Sept 2004

Languages: US-EN

Format: Instructor Led Training

Student Materials:

- Student Courseware

Format:

- Instructor-Led

Certification Exams:

- W1 AX-05-050 Axapta Server V 3.0
- W1 AX-05-020 Axapta MS SQL Database v. 3.0

Certification Track:

- None

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.

Key Related Courses:

- Install and Configuration I
- Advanced Admin

Course Syllabus

Microsoft Axapta Installation and Configuration Course II

Elements of this syllabus are subject to change.

Introduction

This 3 day course goes into more detail about Microsoft® Business Solutions–Axapta® 3 tier setup starting with a 3-tier installation, Web deployment, database administration, tools, tuning, troubleshooting, OLAP and Benchmarking.

Audience

This course is intended for System Administrations and other technical support responsible for the planning and installation and configuration of Microsoft Axapta 3.0. This audience typically includes technical consultants who should be working with Microsoft Axapta to develop customizations and modifications to meet clients' needs. Additionally, consultants who are responsible for training or supporting the customer should benefit from this course.

At Course Completion

After completing this course, students should be able to:

- Install Microsoft Axapta in a 3-tier environment.
- Understand and use the database administration tools, and tuning.
- Perform their own troubleshooting, using tools discussed in the course
- Understand and deploy Web deployment.
- Understand OLAP and be able to install and configure it.
- Understand the Benchmarking tool and how to install and use it.
- Understand the importance of Backup and Recovery.

Prerequisites

Before attending this course, students must have:

- Completed the Microsoft Axapta Installation and Configuration I course.
- A strong working knowledge of Microsoft® Windows® 2000, Windows 2003, or Windows XP. Successful completion of Microsoft Certification Exams 70-215 and 70-216 or 70-290 and 70-291 would be ideal.
- High technical proficiency with Microsoft® SQL Server® 2000.
- Knowledge of X++ programming is an advantage when talking about tuning of Microsoft Axapta systems.

Student Materials

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

The following is provided in the student kit:

- *Microsoft Axapta 3.0 Installation and Configuration Course II Manual*

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

Introduction to Microsoft Axapta 3.0

This chapter introduces the students to the Microsoft Axapta 3.0 Installation and Configuration II Course. It provides a general overview of each chapter and establishes a few housekeeping rules for the duration of the course.

Sections
<ul style="list-style-type: none"> • Welcome and introductions • Course overview • Course expectations • Housekeeping rules
Exercises
<ul style="list-style-type: none"> • None

After completing this chapter, students should be able to:

Understand the outline for the course.

Determine if their expectations align with the course.

Chapter 1: Microsoft Axapta 3-Tier Installation

This chapter discusses the Microsoft Axapta 3.0 Server architecture and walks you through a Microsoft Axapta 3.0 3-tier server installation.

Sections
<ul style="list-style-type: none"> • Understand Microsoft Axapta 3.0 Server Architecture • Install Microsoft Axapta 3.0 – Server • Configure Microsoft Axapta to run in a 3- tier connection
Exercises
<ul style="list-style-type: none"> • Simple 3-Tier setup installation • Multiple Environments • Multiple AOS Instances • Test Your Knowledge

After completing this chapter, students should be able to:

- Understand Microsoft Axapta 3.0 Server Architecture
- Install Microsoft Axapta 3.0 – Server
- Configure Microsoft Axapta to run in a 3-tier connection

Chapter 2: Microsoft Axapta Web Deployment

This chapter teaches the student how to install Web Deployment in Microsoft Axapta.

Sections
<ul style="list-style-type: none"> • Web Deployment • Microsoft Axapta Web Deployment installation • Virtual Directory • Web Page Creation
Exercises
<ul style="list-style-type: none"> • Web Deployment Setup • Test Your Knowledge

After completing this chapter, students should be able to:

- Understand Web Deployment in Microsoft Axapta.
- Install and setup Microsoft Axapta Web deployment.

Chapter 3: Microsoft Axapta Database Administration, Tools, and Tuning

This chapter focuses on teaching the student about Microsoft Axapta Database Administration, using the Microsoft Axapta and SQL Database tools. It will also teach how tuning can enhance performance.

Sections
<ul style="list-style-type: none"> • Perform basic Microsoft Axapta Database Administration • Use Microsoft Axapta internal Database Tools • Use the basic internal SQL Database Tools • Learn how tuning can enhance performance
Exercises
<ul style="list-style-type: none"> • Test Your Knowledge

After completing this chapter, students should be able to:

- Perform basic Microsoft Axapta Database Administration
- Use Microsoft Axapta internal Database Tools
- Use the basic internal SQL Database Tools

Chapter 4: Microsoft Axapta Troubleshooting

This chapter teaches the student how to use the many tools that help troubleshoot problems on the Microsoft Axapta system. It discusses many of the common problems and how to resolve them.

Sections
<ul style="list-style-type: none"> • Troubleshooting Introduction • Troubleshooting Tools • Preparation • Identifying Problems • Resolving Problems
Exercises
<ul style="list-style-type: none"> • Test Your Knowledge

After completing this chapter, students should be able to:

- Use Microsoft Axapta Troubleshooting Tools.
- Identify common problems and resolve them.
- Test Your Knowledge.

Chapter 5: OLAP

This chapter walks the student through the installation of and setup of Microsoft Axapta OLAP.

Sections
<ul style="list-style-type: none"> • Install Microsoft Axapta OLAP
Exercises
<ul style="list-style-type: none"> • None

After completing this chapter, students should be able to:

- Set up the Microsoft Axapta OLAP functionality on a client workstation.

Chapter 5: Benchmarking Tool

In this chapter, students learn about the benchmark tool in Microsoft Axapta. With this understanding, they are better able to utilize this tool.

Sections
<ul style="list-style-type: none"> • Creation and Initialization Phase • Setting up the benchmark environment • Analyzing benchmark results
Exercises
<ul style="list-style-type: none"> • Test Your Knowledge

After completing this chapter, students should be able to:

- Use the benchmarking tool.

Appendix A: Backup and Recovery

In Backup and Recovery, students learn the importance of a good backup plan and identify some important considerations when implementing the plan. They will also learn how to manually and automatically backup a SQL server database.

Sections
<ul style="list-style-type: none"> Understand the backup and recovery process Plan and Maintain Backup and Recovery
Exercises

After completing this appendix, students should be able to:

- Understand the importance of backup and recovery.
- Be able to establish a viable backup and recovery plan.

Appendix B: Internal Command-Line Parameters

This appendix contains a description of the internal command-line parameters that can be used with Microsoft Axapta.

Sections
<ul style="list-style-type: none"> Internal command-line parameters
Exercises

Appendix C: System Variables

This Appendix contains a description of System Variables, which Microsoft Axapta uses to be independent of the underlying SQL database.

Sections
<ul style="list-style-type: none"> System Variables
Exercises

Appendix D: System Tables

This Appendix contains a description of Microsoft Axapta System Tables, which hold data that is used by the kernel to control the behavior of the kernel.

Sections
<ul style="list-style-type: none"> System Tables
Exercises

Appendix E: Just in time upgrade

This Appendix contains information about the just in time upgrade approach which can ease performance problems during upgrades.

Sections
<ul style="list-style-type: none"> • Upgrade Framework • Idempotency • Performance
Exercises

Appendix F: Microsoft Axapta and Oracle

This Appendix should familiarize you with the Oracle database/Microsoft Axapta-specific setup and configuration considerations. This appendix is directed towards people who are certified in Oracle. For installation, refer to the Oracle CD and the Microsoft Axapta Installation and Configuration I course.

Sections
<ul style="list-style-type: none"> • Set up guidelines in connection with Microsoft Axapta.
Exercises

Appendix G: Terminology

This Appendix describes the most commonly used terminology used in this course material.

Sections
<ul style="list-style-type: none"> • Terminology list
Exercises

Appendix H: Answer Key

This appendix provides a complete list of questions and answers posed at the end of each chapter, as a chapter summary.

Sections
<ul style="list-style-type: none"> • Test questions and answers for each chapter
Exercises

After completing this chapter, students should be able to:

- Reinforce their understanding of each chapter.

© 2004 Microsoft Corporation. All rights reserved.

Some elements of this course syllabus are subject to change. This syllabus is for informational purposes only. MICROSOFT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, IN THIS SUMMARY. Microsoft, Microsoft Axapta, Microsoft SQL Server, Microsoft Windows Server 2003, Microsoft Windows, Microsoft Axapta MorphX and Microsoft Windows XP are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Other product and company names mentioned herein may be the trademarks of their respective owners.