



Designing, Deploying, and Managing Microsoft Identity Integration Server (MIIS) 2003

Introduction

This 4-day instructor led course based on the Service Pack 1 release of MIIS 2003 provides students with the knowledge and skills to aggregate information from a variety of data sources and apply business rules to the flow of data between them.

Audience

This course is intended for the Systems Engineer, Developer or architect who needs to gain a good, basic understanding of how MIIS is applied to managing identity information across a number of directories or database. He or she has good experience on Windows 2000 and/or Windows 2003, some understanding of SQL Server, Directories and at least a working knowledge of programming languages.

At Course Completion

At the end of this course, the student will be able to:

- Install, backup and restore MIIS.
- Configure a metaverse schema.
- Create management agents for a number of external sources, including AD forest, AD/AM, and SQL Server – in a basic configuration.
- Configure management agents, including, connector filters, join rules and attribute flow for straightforward scenarios.
- Configure and verify data flow.
- Create and debug rules extensions (rudiments).
- Manage MIIS using WMI.
- Understand the security implications of an MIIS installation, and ensure a basic level of security.
- View performance counters.
- Work with Active Directory and AD/AM, including groups and Exchange enablement.
- Manage passwords using WMI and web applications.

Prerequisites

Before attending this course, students must have familiarity with the following technologies:

- LDAP
- Active Directory
- Databases
- A language such as Visual Basic

and have completed course 2279, Implementing Microsoft Windows .2003 Server Active Directory, or equivalent knowledge

Microsoft Certified Professional Exams

No MCP exam currently exists for this course.

Student Materials

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

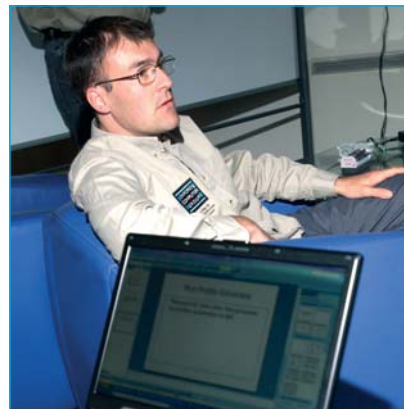


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Course Outline

Module 1 – Introduction to MIIS 2003

- Concepts (objects, attributes, connectors, authority, Metaverse, Connector Space etc.)
- Business need
- MIIS Overview
- Architecture
- Information flow
- Practice - explore

Module 2 – Introduction to the Identity Manager

- Tools (Metaverse Designer, Operations Tool, Joiner etc.)
- Basic configuration of a Management Agent
- Basic run profiles
- Verifying results
 - Operations Manager
 - Simple Metaverse search
 - MA statistics
- Practice
 - Import a Management Agent
 - Run a full import profile
 - Examine results (simple Metaverse search and SQL Server)
 - Delete, modify and Add data and re-import

Module 3 – Detailed Configuration of MAs

- Connecting to various external sources (SQL, LDAP/AD etc.)
- Schema discovery
- MV Designer - schema, precedence, deletion rules
- Data subset (objects, containers, partitions, naming contexts)
- Filters, joins and projection rules (connectors and disconnectors)
- Deprovisioning
- Deleting MAs and MA Data
- Practice
 - Create MA and full import
 - Delta import
 - Examine metaverse in more detail

Module 4 – Data Flow in MIIS 2003

- Staging and synchronization
- Export and confirming Import
- Run profiles (Staging, Sync, Export, Audit files)
- Connector Space (Connectors and disconnectors, Search, Preview)
- More on Metaverse Search
- Run statistics
- Practice
 - Stage
 - Connector Space and preview
 - Sync and join
 - Export
- Joiner
- Practice - Joiner

Module 5 – Introducing Programming Aspects of MIIS

- WMI scripts
- Practice
 - Scheduling MAs through WMI
- DLL Extension architecture
- Metaverse and Management Agent DLL concepts
- Management Agent rules extensions
- Debugging
- Practice
 - Management Agent Extensions
 - Debugging

Module 6 – System Management

- Installing, groups, verifying, uninstalling
- Major security considerations
- Locking down service account
- Encryption - concepts, backing up keys
- Other implementation considerations
- Stand-by servers
- Practice
 - Backup
 - Lock-down
- Best practices
- Optimization
- Command line tools
- Performance counters
- Other issues

Module 7 – Provisioning

- Provisioning and de-provisioning concepts
- File-based and call-based data sources
- Metaverse extension DLL
- Provisioning code
- Practice
 - Simple Provisioning
- Deprovisioning issues
- Practice
 - De-provisioning

Module 8 – Working with Active Directory and ADAM

- Active directory concepts
- Exchange considerations
- Practice Active Directory
- Introduction to ADAM
- Practice ADAM MA
- Groups
- Practice Groups

Module 9 – Password Management

- Password Management
- Password Synchronization
- Password Reset
- Practice: The MIIS Password Portals

Module 10 – Other MAs and Typical Scenarios

- Some necessarily limited discussion of those MA types not covered in the rest of the course
- Some discussion of typical MIIS scenarios

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About Oxford Computer Group:

Oxford Computer Group (Oxford) specialises in identity and access management with operations in North America and Europe, Oxford have an enviable repository of MIIS 2003 expertise and knowledge. Services include: strategic and functional consulting; system integration; solution development; and identity training.

Microsoft selected Oxford to produce and deliver the first training courses on MIIS 2003. We are the experts and have trained the rest of the market (over 1400 people on MIIS) – including some of Microsofts own consultants

To discuss your Identity and Access Management requirements, please contact us.