

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/ILM 2007 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 and Pre-requisites

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.

All students will have completed course 2279, Implementing Microsoft Windows 2003 Server Active Directory, or have equivalent knowledge. Students will also have some understanding of SQL Server, directories and a working knowledge of programming languages

At Course Completion

At the end of the 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, ADAM, 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 ADAM, including groups and Exchange enablement.
- Manage passwords using WMI and web applications.

Microsoft Certified Professional Exams

No MCP exam currently exists for this course.

Student Materials

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

Course Outline

Module 1: Introduction to MIIS 2003/ILM 2007

- 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

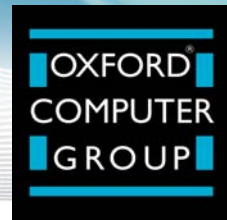
- Tools (Metaverse Designer, Operations Tool, Joiner etc.)
- Basic configuration of a Management Agent
- Basic run profiles
- Verifying results: Operations Manager, Simple Metaverse search, MA statistics
- Practice: Import a Management Agent, Run a full import profile, Examine results (simple Metaverse 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



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- 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 and 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 and 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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