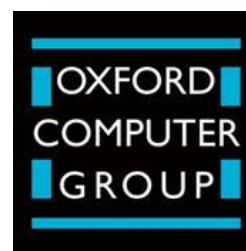


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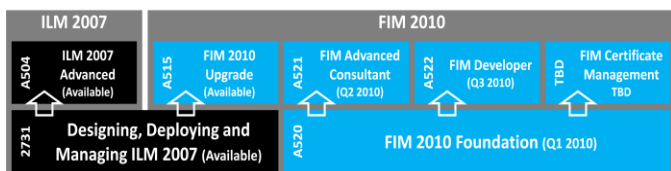
Introduction

This course is for students who have no previous FIM or ILM 2007 experience. It makes use of presentation, discussion, demonstration, and a lot of hands-on exercises to introduce and explain the features and capabilities of FIM, and the solution scenarios it addresses.

The course is written for and performed on a release candidate (RC1) — and is therefore subject to some variation from this specification.

Audience and Pre-requisites

This 4 day course (number A520) is intended for Systems Engineers, Developers, Architects and Project Leaders who need to gain a good understanding of how FIM 2010 can be applied to managing identity information across a number of directories or databases. Typically they would follow on with a more advanced course (see below – for



more detail see the OCG FIM 2010 Training Roadmap at our website). It is also suitable for those people who simply want to review the technology in some depth. All students will have a sound understanding of the purpose and some experience of the workings of Active Directory, Exchange and SQL Server.

At Course Completion

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

- Understand FIM concepts and components
- Identify appropriate FIM scenarios
- Manage users, groups and passwords using FIM
- Synchronize identity data across systems, such as AD and HR
- Understand the issues involved in loading existing data (initial load and disaster recovery)
- Configure security for different levels of user
- Manage password self-service reset and synchronization

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: Introducing FIM 2010

This is a tour of many of the built-in features of FIM through the “user experience”, in which the student becomes familiar with the interface, the high level architecture, and the business need FIM addresses. At this point you see the “finished article” – the rest of the course is spent understanding how this works, and building the “finished article” from a raw installation. The lab is a walkthrough of creating a new user and managing groups and credentials for that user – as well as the experience of that new user.

Module 2: The Synchronization Service Manager

We introduce the FIM Synchronization Service Manager and explain its features through scenarios that do not use the FIM Portal. We introduce the main tools (Metaverse Designer, Operations Tool, Joiner etc.), and we cover basic configuration of a Management Agent along with run profiles, verifying results, simple Metaverse search. During the lab, a new Management Agent is created for a simple HR system.

Module 3: Management Agents

We look at various types of Management Agent, including LDAP and file-based sources. We cover concepts such as schema discovery, filters, join and projection rules, connectors and disconnectors, joining, provisioning, deprovisioning, different kinds of attribute flow etc. In the lab, two more Management Agents are created, and a simple data driven scenario for managing a directory is established (ADLDS).

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Module 4: The FIM Service and Portal

We examine the FIM Service and application database, introducing key concepts such as sets, workflows and policies, and how permissions are granted. Next we look at how the FIM Service integrates with the FIM Synchronization Service, and how data flows between them. The labs build a FIM MA and flow our HR data from the Synchronization Service to the portal, and portal data to the Synchronization Service.

Module 5: Managing Active Directory from the Portal

In this module we create an Active Directory MA and configure it via the portal to manage mailbox-enabled users in AD. This means creating Synchronization Rules, Workflows, Management Policy Rules, including complex attribute flows. The labs configure FIM so that users are automatically created (provisioned) into AD, renamed, and removed (deprovisioned) as necessary.

Module 6: Credential Management

Primarily this is about passwords. We address the essentials of Certificate Management (this is a large subject that has a course of its own) and then proceed to cover self-service password reset and password synchronization in detail. The labs cover all aspects of password management in FIM (with the exception of writing custom password management workflows and extensions).

Module 7: Group Management

This module covers the management of distribution and security groups – including the relationship between groups in Active Directory and other systems. More work is done on sync rules, workflows and MPRs. We also cover the configuration of workflow approvals.

The labs build on our scenario to include the management of various types of groups in Active Directory.

Module 8: Other Considerations

In this module we draw together the threads of what is perhaps the most important feature of the FIM Service – Management Policy Rules: the different types, different uses, how they are processed and how to troubleshoot them.

Then we consider some operational considerations, including the management of run cycles using scripts, and also backup, restore and disaster recovery.

5 Labs cover additional features of MPRs and also provide experience in the operational matters. The last of these labs puts the finishing touches on what has – perhaps surprisingly – turned out to be quite a thorough proof-of-concept system.



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Oxford Computer Group (OCG) is a Microsoft Gold Partner specializing in Identity and Access (IAM) management consulting and training. With operations in the USA, UK and mainland Europe, OCG has an enviable repository of expertise, solution components and training courses. OCG has deployed over 500 IAM solutions and trained over 5000 people on Microsoft IAM technologies. We understand IAM – benefit from our expertise and capability.
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