



# Forefront Identity Manager 2010 Upgrade (Knowledge Upgrade from ILM 2007)

## ■ Introduction

This course equips students, who are already acquainted with ILM 2007, with the additional knowledge and skills they need to plan for a FIM 2010 deployment. It does this through presentation and discussion, demonstration, and a lot of hands-on exercises.

**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 A515) is intended for Systems Engineers, Developers and Architects 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. They will have good working knowledge of ILM 2007/MIIS 2003 (equivalent to having attended 2731 and then being involved in an implementation); they will also have a sound understanding of the purpose and 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 2010 concepts and components
- Understand the scenarios for which FIM 2010 is appropriate
- Manage Users, Groups, Policy and Credentials through the FIM 2010 portal
- Synchronize identity data between the FIM 2010 portal and other systems such as Active Directory
- Incorporate other data sources such as HR Feeds
- Understand the issues involved in loading existing data (initial load and disaster recovery)
- Understand the technical architecture of FIM 2010
- Configure security for different levels of user
- Extend the schema to incorporate new objects and attributes
- Modify the interface, including look and feel, new or modified forms and navigation
- Understand the features, tools and issues that will be important when operating, auditing and troubleshooting FIM 2010 in a production environment
- Incorporate custom workflows

## ■ 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](#)

A tour of many of the built-in features of FIM 2010 through the “user experience”, in which the student becomes familiar with the interface and the high level architecture, and the business need FIM 2010 addresses.

### ■ [Module 2: Key Concepts](#)

The key concepts are introduced and explored: sets, activities, workflows and policies, how permissions are granted, how workflows are triggered, different types of workflow.

### ■ [Module 3: User and Group Management](#)

This module provides detailed coverage of users and groups, including: data entry; interesting attributes; different types of group; group expiration, renewal and ownership; the relationship with groups in Active Directory and other systems; limitations.

### ■ [Module 4: Synchronizing Objects that Originate in the FIM 2010 Portal](#)

Starting with a reminder of how synchronization works in ILM 2007, this module goes on to cover: how FIM 2010 can be used to provision, manage and deprovision AD and other sources; attribute authority and precedence; codeless outbound inbound rules; coexistence of classic and codeless rules.

### ■ [Module 5: Synchronizing Objects Originating in Other Systems](#)

Synchronization is further explored: various scenarios in which FIM 2010 can be used; sources that are authoritative for objects, such as HR Feeds; the inclusion

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of sources that are not authoritative for objects, such as telephone systems; data discovery issues such as joining and data cleansing; disaster recovery issues.

requests and approvals; auditing and reporting; it goes on to consider operational issues, such as managing run cycles, backup procedures, monitoring activity etc.

## Module 6: Managing Credentials

This module deals with password issues: password reset; the relationship with ILM 2007 password management and synchronization.

## Module 10: More Complex Workflows and MPRs

This covers more complex workflows using functions and parameters. Temporal (time-based) events: expiration, notification and delayed actions. We look at some Windows Workflow Foundation workflows and how to import them.

## Module 7: Installation

This module covers simple installation, but also consideration of likely production topologies, how to scale it, and other considerations (like upgrade and migration).

## Module 8: Portal Configuration and Security Model

The interface configuration is covered, including look and feel and navigation. The portal schema model is also considered: objects, attributes, bindings and validations; use of XPath and search scopes; usage keywords; localization etc; how to extend the schema; and the relationship with the metaverse schema.

## Module 9: Operation, Troubleshooting and Reporting

This module looks at all the sources of information in FIM 2010, including: ILM 2007 features (MV and CS search, event log, operations tool etc.); managing



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### About Oxford Computer Group

Oxford Computer Group (OCG) is a Microsoft Gold Partner specializing in Identity and Access (IDA) management consulting. 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 400 IDA solutions and trained over 4000 people on Microsoft IDA technologies. We understand IDA – benefit from our expertise and capability.

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