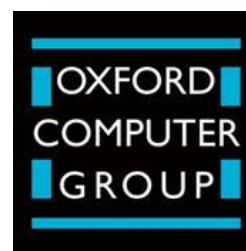


Forefront Identity Manager 2010 Advanced Consultant

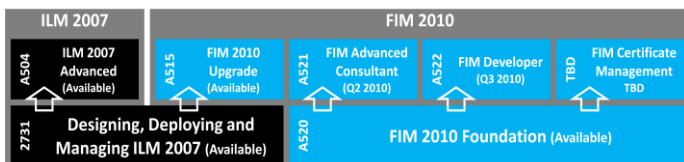


Introduction

This course follows on from the Foundation course, and makes use of presentation, discussion, demonstration, and a lot of hands-on exercises to cover the more advanced aspects of FIM, and put consultants in a position to be ready to deploy FIM 2010.

Audience and Pre-requisites

This 4 day course (number A521) is intended for Systems Engineers, Developers and Architects who need to gain a deeper understanding of how FIM 2010 can be implemented. They will have attended the FIM 2010 Foundation Course (number A520). Students will find it an advantage if they can read simple Visual Basic code, but this is not an absolute pre-requisite. Where code is used, the emphasis will be on the need for code and how it fits into the overall architecture, rather than on the programming details.



At Course Completion

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

- Manage Users, Groups, Policy and Credentials through the FIM 2010 portal
- Configure the portal to manage additional resource types, including look and feel, modified forms and navigation
- Handle more complex workflows and MPRs, including temporal MPRs and custom workflows
- Manage and trouble-shoot all types of synchronization, using custom rules extension where necessary
- Build simple custom MAs
- Understand how to operate and troubleshoot an implementation, including using WMI, backup and disaster recovery considerations
- Understand the technical architecture and different installation topologies of FIM 2010
- Understand a wide range of techniques and architectures, and how to go about implementing more complex architectures

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

This outline is provisional and subject to change.

Module 1: FIM 2010 Reminder

The course starts with a tour of the features of FIM 2010 that were covered in the Foundation Course, pointing out those areas which this course will further develop. This is an opportunity to clear up any misunderstandings before launching into a lot of new stuff.

Module 2: Portal Configuration

The interface configuration is covered, including look and feel and navigation. The portal schema model is also considered: resources, 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 3: More Complex Workflows and MPRs

This covers more complex workflows using functions and parameters, and temporal (time-based) MPRs for expiration, notification and delayed actions. We create and import some simple Windows Workflow Foundation workflows.

Module 4: Understanding Synchronization

This module covers synchronization in depth. It explores the whole process, including holograms and how to troubleshoot synchronization errors. The new Synchronization Rules are mapped to the classic rules, identifying where to use each type, and where extensions are required.

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Module 5: Classic Rule Extensions

This module introduces (coded) extensions of classic MA configuration, including coded provisioning, attribute flow and deprovisioning. Topics include DLL extension architecture, metaverse and MA DLL concepts, creating and debugging extensions. Suggestions are made for effective management and best practices.

Module 6: Custom Management Agents

This topic is covered using practical examples of custom MAs for connecting to unusual sources, including password management. The module attempts to satisfy the needs of the more developer-oriented students by providing examples (which are not covered in detail), while focussing on the configuration and outcomes.

Module 7: Installation and Alternative Topologies

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

Module 8: 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

requests and approvals; auditing and reporting; it goes on to consider operational issues, such as backup and disaster recovery procedures, and using WMI to manage run cycles, monitor activity etc.

Module 9: Techniques and Architectures

This module takes what you have learned on this course so far and applies to it in a very practical way to a number of scenarios, including techniques such as: data validation, using SQL queries to report on the metadirectory, approaches to delta import, and manual precedence. It goes on to consider – theoretically – issues that are beyond the course to cover practically. For example: What approaches are there to additional types of group management? How would you go about configuring role-based access control? What are the possibilities for audit and attestation?



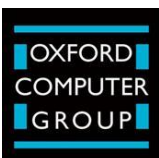
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