



# Identity Lifecycle Manager (ILM) 2007 Advanced Implementer and Developer Course

## Introduction

This 4-day instructor-led course is a direct follow-on from the Oxford Computer Group ILM 2007 course number 2731, and addresses ILM 2007 advanced implementation and development issues.

## Audience

This course is intended for the ILM architect, implementer or Developer who is familiar with basic ILM implementation (and must have attended the Oxford 2731 course, or gained equivalent knowledge).

The actual amount of code written during the course is quite small; the course has been structured such that developers can spend more time looking at provided code, and tweaking it, whereas the implementer can spend more time considering the wider problems and their solutions.

## Prerequisites

They will have broad experience in ILM-related infrastructure technologies (like LDAP, Windows 200X, AD, SQL Server, Exchange etc.) as well as an understanding of the .NET framework, some familiarity with the Visual Studio .NET environment and more than a passing acquaintance with Visual Basic .NET.

## 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.

## Course Outline

### Module 1: Using Rules Extensions

- Deployment in the .NET environment
- When do Rules Run?
- The Visual Studio Environment ("tips for survival")
- Protecting your Source Code
- *Lab: The Visual Studio Environment*
- *Demo: Visual SourceSafe*

### Module 2: ILM and Other Classes

- Object Oriented Concepts (as they apply to ILM)
- The ILM Classes
- Some VB .NET issues
- Debugging
- XML Reader Classes
- *Lab: ILM classes*
- *Lab: Debugging*
- *Lab: XML Reader classes*

### Module 3: Exceptions and Reporting

- Exception Handling and Prevention
- Data Validation
- Using WMI from VB .NET
- Using SQL Queries to report on the metadirectory
- *Lab: Extending Logging and Handling Exceptions*
- *Lab: Validation*
- *Demo: WMI*
- *Lab: Reporting on the Metaverse*

### Module 4: Some Implementation Considerations

- Data Discovery versus Ongoing Operations
- Joining, Projection and Bread-crumbling
- Disaster Recovery
- Run Cycles
- Design Considerations
- *Lab: Join Resolution*
- *Lab/Demo: Delayed Join Resolution*



**Module 5: Basic techniques**

- Multiple Metaverse Extensions
- SQL Server Deltas and Triggers
- Manual Precedence
- Lab: Multiple Metaverse Extensions
- Lab: Database Deltas
- Demo: Using LDAP and CDO with Exchange

**Module 6: Managing Accounts**

- Role Based Access Control vs Account Management
- Managing Active Directory Accounts
- Creating Missing Parent OUs
- Group Population
- Lab: Multiple Active Directory Accounts
- Lab: Creating Missing OUs
- Lab: Group Population

**Module 7: Workflow**

- Approaches to Workflow
- Data driven and workflow provisioning
- Lab/Demo: Contractor Account Workflow Provisioning
- Lab: Delayed Actions

**Module 8: Extending MAs**

- SQL Server as an Intermediary (SSIS/DTS)
- Extensible Connectivity MAs (XMAs)
- Extending Password Management
- Lab: SQL Server as Intermediary
- Lab: Post-Processing XMA
- Lab: SSIS Automation XMA
- Lab: Generalized XML XMA
- Lab: Extending Password Management



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**About Oxford Computer Group**

Oxford Computer Group (OCG) is an IT service company that specializes in identity and access management. With worldwide operations OCG has an enviable repository of expertise, solution components and training courses. OCG has deployed 400+ enterprise-wide identity and access solutions and our instructors have trained over 4000 people on Microsoft IDA technologies. We understand identity and access management – benefit from our experience and capability. Worldwide operations in North America, United Kingdom, Germany and BeNeLux

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