

# 120 Metastorm Integration Manager for CICS Fundamentals



## Course Syllabus

<b>Important Facts:</b>	4 days  60% Lecture  40% Hands-on Labs
<b>Target Audience:</b>	Future Developers and Architects of web services access to CICS using Metastorm Integration Manager for CICS
<b>Class Objectives:</b>	<p>After completion of this four-day course, the student will be able to apply an advanced working knowledge of Metastorm Integration Manager (MIM) for CICS tools and technologies for creating web services interfaces to a variety of CICS programs and data sources including:</p> <ul style="list-style-type: none"><li>• COMMAREA programs</li><li>• Temporary Storage Queues</li><li>• WebSphere MQ enabled programs</li><li>• Integration with WebSphere MQ</li><li>• LU2 (3270) programs</li><li>• VSAM files</li><li>• DB2 Tables</li><li>• External Web Services</li></ul>
<b>Prerequisites:</b>	<p>This class is intended for students who will be responsible for working in a Metastorm Integration Manager for CICS environment to support integration with CICS programs and data via web services. This is an advanced level course and students in this class should possess some familiarity with z/OS, TSO/ISPF (or equivalent), networking, programming and computer fundamentals. This class assumes the student has a working knowledge of WebSphere MQ or takes our WebSphere MQ class. Students should be reasonably familiar with:</p> <ul style="list-style-type: none"><li>• WebSphere MQ configuration</li><li>• Concepts of WebSphere MQ distributed messaging</li><li>• WebSphere MQ architectural concepts</li><li>• Programming with a language such as C, C++, C#, Java, Perl, Ruby or JavaScript</li></ul>
<b>Topic Outline:</b>	<b>Day 1</b> <ul style="list-style-type: none"><li>▪ MIM for CICS Overview</li><li>▪ CICS Overview (optional)</li><li>▪ Web Services Overview<ul style="list-style-type: none"><li>○ Lab: Exploring Web Services</li></ul></li><li>▪ The Workbench and Registry<ul style="list-style-type: none"><li>○ Lab: Creating a Registry Project with the Workbench</li></ul></li><li>▪ COMMAREA Program Service<ul style="list-style-type: none"><li>○ Lab: Creating a COMMAREA Program Service</li></ul></li><li>▪ TSQ Program Service</li></ul>

- WebSphere MQ Program Service
  - Lab: Creating a WebSphere MQ Program Service

## **Day 2**

- VSAM File Service
  - Lab: Creating a VSAM File Service
- DB2 Table Service
  - Lab: Creating a DB2 Table Service
- Quick Tour of XMScript
  - Lab: Working with Simple XMScripts
- Developing XMScripts with the Workbench
  - Lab: Developing XMScript Programs with the Workbench
- Web Console
  - Lab: Running XMScript Programs using the Web Console
- XML Support in XMScript
  - Lab: Programming with XML in XMScript

## **Day 3**

- XMScript Program Service
  - Lab: Creating an XMScript Program Service
- Status Processing
  - Lab: Adding Status to XMScript Programs
- LU2 Program Service (Four Parts)
  - Lab: Creating an LU2 Program Service (Four Parts)

## **Day 4**

- LU2 Program Service (Four Parts) - continued
  - Lab: Creating an LU2 Program Service (Four Parts) - continued
- Composite Program Services
  - Lab: Working with Complex LU2 Applications
- External Web Services
  - Lab: Invoking External Web Services
- Database Object Services (DBOS)