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# IBM MQ V8 Application Development (Linux Labs)

## Information

<b>Length:</b>	24.0 Hours
<b>Ref:</b>	WM508G
<b>Delivery method:</b>	ClassroomInstructor Led Online
<b>Price:</b>	AUD

## Overview

This course focuses on procedural application development for IBM MQ. It covers basic concepts applicable to most IBM MQ versions, new IBM MQ V8 capabilities, and V8.0.0.4 capabilities such as capped message expiry, redistributable clients, and URL support for client channel definition tables.

The course begins by describing IBM MQ, explaining the impact of design and development choices in the IBM MQ environment. It then describes IBM MQ application programming concepts, and provides programming topics and exercises to develop the skills necessary to implement various application requirements. These topics include methods of putting and getting messages, identifying code that creates queue manager affinities, and working with transactions. The course then provides lectures and hands-on experience with IBM MQ clients, and use of the publish/subscribe messaging style. Finally, the course describes the IBM MQ Light interface, introduces Advanced Message Queuing Protocol (AMQP), and explains how to set up an AMQP channel and how to interface with IBM MQ Light.

For information about other related courses, see the IBM Training website:

<http://www.ibm.com/training>

## Public

This course is designed for application developers and architects who are responsible for the development and design of IBM MQ applications.

## Prerequisites

- Successful completion of *Technical Introduction to IBM MQ*(WM103G), or comparable experience with IBM MQ
- Experience in business application design
- Experience in C language development

## Topics

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Course introduction  
IBM MQ overview  
Exercise: Working with IBM MQ to find your message  
Basic design and development concepts  
Exercise: Getting started with IBM MQ development  
MQOPEN, queue name resolution, and MQPUT  
Exercise: Working with MQOPEN and queue name resolution, MQPUT, and MQMD fields  
Getting messages and retrieval considerations  
Exercise: Correlating requests to replies  
Data conversion  
Bind and Message groups  
Committing and backing out units of work  
Exercise: Commit and back out review  
Asynchronous messaging  
Exercise: Asynchronous messaging review  
IBM MQ clients  
Exercise: Working with an IBM MQ client  
Introduction to publish/subscribe  
Exercise: Working with publish/subscribe basics  
Advanced Message Queuing Protocol (AMQP), IBM MQ Light, and IBM MQ  
Exercise: Connecting IBM MQ Light applications to IBM MQ applications  
Course summary

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