

## O040 – Oracle Workflow Basics

### Course Objectives

This practical course is designed to introduce the Oracle's business process management tool – Oracle Workflow. The course covers the functionality of the Oracle Workflow engine, showing students how to use Oracle Workflow to automate and streamline business processes using the Workflow Builder, and to implement the workflow functionality in the context of business applications.

The course will introduce the concepts of workflow management and development, as well as focus on the technical PL/SQL API's that are used to build and manage integrated workflow functions within the database. This will use version 2.6 of Workflow builder, sitting on a 10g database, but will be suitable for 9i also.

Who Should Attend	Prerequisites	Duration
Oracle Analyst/Programmers Oracle Technicians Oracle DBA's Oracle Developers	Working knowledge of PC technology Oracle SQL Oracle PL/SQL	3 Days

### Course Contents

#### Introduction

Business Process Automation  
Workflow – Case Study  
Workflow – Technical Model  
Workflow – Principles  
Workflow Builder - Overview  
Process Monitor - Overview  
Notifications – Overview

#### Workflow Builder

Introduction to the Builder  
The Store  
Item Types  
Processes  
Developing Activities  
Developing Transitions  
Functions  
Notifications  
Messages  
Attributes  
Lookup types  
Directory Service  
View Modes

#### Workflow Monitor

Process Monitor Administration  
Access and Control  
Managing Transaction  
Histories  
Process Versions  
Activity History  
Error checking

#### Using Attributes

Attribute Types  
Using attributes with Messages  
Tokens  
Updating Attributes

#### Notifications and Messages

Sending Messages  
Processing Responses  
Automation  
Managing Groups and Participants.  
Roles  
Email Integration  
Message rules  
Dynamic messages

#### Workflow Implementation

Workflow installation and optimisation.  
Workflow integration with Oracle Applications.  
Workflow integration with External Applications.  
Workflow Access, Control, and Security  
Copying Existing Items  
Backing up Items  
The Workflow Loader

#### Workflow APIs

Introduction to APIs  
WF\_CORE  
WF\_ENGINE  
WF\_NOTIFICATION  
Managing Processes  
Managing Notifications  
Launching Processes  
The WF Schema  
Active Workflow Data Expedition and Control  
Developing Workflow procedures and functions.  
Arguments  
Basic API packages  
Implementing Bespoke Code  
Maintaining bespoke procedures  
Error Handling  
Advanced API packages  
Advanced Queuing overview