

Oracle CPQ Cloud Blue Belt Advanced BML Ed 1

Duration: 1 Day

What you will learn

This CPQ Cloud Blue Belt Advanced BML training introduces the BigMachines Markup Language (BML) so you can learn how system administrators use it within the system. Administrators who have already learned the point-and-click interface taught in Oracle CPQ Cloud Yellow Belt will benefit from seeing how BML can be written to accomplish virtually any complex use case.

Learn To:

Define BML functions by using the language's basic syntax.

Use functions, conditionals, arrays, loops and dictionaries to perform advanced logic within BML.

Query a Data Table within an advanced function using BMQL.

Create a Util Library Function.

Practice writing your own BML functions to meet advanced business requirements.

Benefits to You

By taking this course, you will learn how to write BML in accordance with its basic syntax, variables, data types and functions. Best practices reviewed throughout the course focus on keeping code concise and organized to assist future administrators in making changes. You'll walk away from the course will have all the tools to begin defining advanced BML functions on your own Oracle CPQ Cloud sites.

Audience

Business Analysts
Configuration Consultant
Configuration Implementer
Implementation Consultant
System Administrator
System Integrator
Technical Consultant

Related Training

Suggested Prerequisites
Basic Coding Experience

Course Objectives

Create a new Util Library Function that can be referenced in other advanced functions throughout the Oracle CPQ Cloud

site

Define advanced BML functions throughout an Oracle CPQ Cloud site to extend point-and-click functionality

Solve common advanced use cases by using functions, conditionals, arrays, loops, and dictionaries in BML

Query a Data Table within an advanced BML function to solve additional use cases

Course Topics

Introduction to BML

BML In Oracle CPQ Cloud

BML Definition

BML vs Point-and-Click Interface

Applying BML

BML Function Editor Navigation

Importing Attributes

Function Wizard

Debugging Functions

Syntax, Variables, Data Types, and Functions

BML Script Requirements

Comments in BML

Printing to the Debugger

Using Variables in BML

BML Data Types

Managing Data Types

Function Syntax in BML

Using Functions in BML

Simple BML Functions

Simple BML Functions Use Case

BML Date Attributes

BML Date Functions

Date Format Components

Updating a Date Attribute with Functions

Conditionals in BML

Conditionals Use Case

Advanced Conditional Expressions

Conditionals in Series

Else Statements

Advanced Modify

Building Strings in BML

Using a Conditional with Multiple Statements

Arrays in BML

Arrays Use Case

Arrays on User Side vs Programming Side

Array Index

- Array Functions
- Searching Delimited Strings
- Restricting Access Using Arrays

Loops in BML

- Loops Use Case
- Loop Variable
- Loop Counters
- Using a Loop in BML

Dictionaries

- Dictionaries Use Case
- Creating Empty Arrays
- Creating Arrays with Elements
- Dictionary Basics
- Dictionary Data
- Dictionary Data Types
- Dictionary Functions
- Using a Dictionary in BML

BigMachines Query Language (BMQL)

- BMQL Return Data Type
- BMQL Syntax
- BMQL Components
- BMQL Operators
- Maximum BMQL Results
- Handling User Inputs
- Table to Table Queries
- Advanced Forwarding Rule

Library Functions

- How Library Functions Work
- Referencing Library Functions
- Library Function Use Case
- Creating Util Functions