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REST APIs for Oracle EPM Cloud

Find out how to extend and automate the Oracle EPM Cloud using the available REST APIs, allowing the monitoring of applications and the execution of processes through simple URL-based requests.

Get a comprehensive understanding of REST API (also known as RESTful API), an application programming interface that conforms to the constraints of REST architectural style.

Learn about interaction with RESTful web services and discover how REST API resources allow clients to issue requests to, and receive responses from, a server using the HTTP protocol.

In this course, attendees will find out how to extend and automate the Oracle EPM Cloud using the available REST APIs, allowing the monitoring of applications and the execution of processes through simple URL-based requests.

Attendees will explore the fundamental details necessary to interact with EPM REST resources, to become better equipped for designing and building automated processes in the Oracle EPM Cloud. Interaction with RESTful web services, like the Oracle EPM Cloud, can be achieved using a wide variety of approaches, allowing for seamless integration with other systems. On this course attendees will discover how to make requests to REST resources using a variety of HTTP methods.

Learn alternative methods for managing many facets of your applications and examine specific use-cases for REST resources in the EPM Cloud.

Course Information:

Course title:	REST APIs for Oracle EPM Cloud
Duration:	2 days
Audience:	Implementation consultants, EPM developers, and system administrators
Pre-requisites:	None
Delivery method:	Group Live and Group Internet-Based
Advanced preparation:	None
Recommended CPE credits:	14 credits - computer software and applications
Programme level:	Intermediate

Learning Objectives

By the end of this course learners will be able to:

- Identify the available REST resources for the EPM Cloud
- Explain how to interact with REST resources using a variety of HTTP methods
- Examine methods for retrieving information and executing processes
- Apply the appropriate HTTP headers and payloads to provide context with requests
- Differentiate between the API versions for the various EPM Cloud products
- Implement scripted processes to submit requests and process their results

Detailed Agenda***Explore the fundamental details necessary to interact with REST resources***

Representation State Transfer (REST) is a way of providing connectivity and interoperability between web-based software solutions, defining a set of characteristics and approaches for interacting with elements of a system remotely. By understanding the fundamentals of RESTful architecture, you will be better equipped for designing and building automated processes in the Oracle Cloud. In this course, you will explore concepts such as:

- An introduction to RESTful architecture
- HTTP methods
- Status codes
- Authentication
- Accessing REST resources
- Handling JSON responses
- Polling

Discover how to make requests to REST resources using a variety of methods

Since REST is an architectural style, rather than a set of APIs for a specific language, RESTful web services like the Oracle EPM Cloud can be interacted with using a wide variety of approaches, allowing for seamless integration with other systems. In this course, you will examine how to work with Oracle EPM Cloud REST resources in the following ways:

- Manually using Postman
- From the Command Line using cURL
- Programmatically using Groovy
- Programmatically using VBA for Microsoft Office

Examine specific use-cases for REST resources in the EPM Cloud

The Oracle EPM Cloud makes a large number of REST resources available, allowing you to create alternative methods for managing many facets of your applications. Each Oracle Cloud product has a different set of resources available, allowing activities to be tailored to the solutions that are being used.

There are also more general resources available for performing integration tasks or identity domain management. Whilst this course is primarily based on the Planning and Budgeting Cloud Service, it concentrates on general approaches for interacting with any Oracle Cloud product, to perform tasks such as:

- Launching Data Management processes
- Executing jobs, such as running Rules
- Performing backups and maintenance activity
- Managing users
- Working with data slices to import or export data



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