

**Oracle Hyperion Profitability and Cost Management
REST API Developer's Guide**

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About the Oracle Hyperion Profitability and Cost Management REST Web Services API

You can use the Oracle Hyperion Profitability and Cost Management REST Web Services API to automate a variety of Profitability and Cost Management resources. This API provides an alternative to using the web-based user interface or the External Automation Web Services API.

You can use one of a variety of methods to access the Profitability and Cost Management REST API. For example, you can access the REST API through web browsers and other client applications such as cURL and GNU Wget.

Alternatively, you can use the Profitability and Cost Management REST API in REST client applications that are developed in languages such as: JavaScript, Ruby, Perl, Java, JavaFX

The Profitability and Cost Management REST API resources are grouped as follows:

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Information about client plugins and sample code can be found at the end of this document beginning on page 31.

Manage Application Resources

Create HPCM Application using AAM

Use this resource to create an application using AAM.

RESTFUL URL:

```
http://{HostName}/profitability/rest/11.1.2.4.000/aamApplications/{applicationName}?description=Test&instanceName=PROFITABILITY_WEB_APP&essApplicationServer=EssbaseCluster-1&sharedServicesProject=EssbaseCluster-1&applicationType=STANDARD&essApplication=ASOsamp&essApplicationDatabase=Sample&dimensions=Years,Time,Transaction Type,Payment Type&webServer=slc00dby.us.oracle.com
```

Web Service API Name:

createApplication

Input Parameters

User can run the other REST services to get information needed to pass for below input parameters. Useful REST services are “Get Essbase Applications”, “Get Essbase Application Properties”, “Get Essbase Application Dimensions”.

- *String applicationName* – Application Name to be created
- *String description*– Description for application
- *String instanceName* – Instance name for the application

- *String essApplicationServer* – Essbase Application Server name
- *String sharedServicesProject* - Shared Services Project Name
- *String applicationType*- Application type whether STANDARD, DETAILED or MANAGEMENT_LEDGER
- *String essApplication* – Essbase application name
- *String essApplicationDatabase* - Essbase application Database Name
- *String dimensions* - comma separated dimensions for browser based. (_ separated dimensions for client code)
- *String webserver* – webserver fully qualified name

Output Parameters

@return String – String containing Task Flow ID

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/aamApplications/Test1?description=Test&instanceName=PROFITABILITY_WEB_APP&essApplicationServer=EssbaseCluster-1&sharedServicesProject=EssbaseCluster-1&applicationType=STANDARD&essApplication=ASOsamp&essApplicationDatabase=Sample&dimensions=Years,Time,Transaction Type,Payment Type&webServer=slc00dby.us.oracle.com

Delete Application

Use this resource to delete an existing Hyperion Profitability and Cost Management (HPCM) application, and its association with Oracle Hyperion Shared Services.

The application will still be available in the Oracle Hyperion EPM Architect Library. You must run Diagnostics in Oracle Hyperion EPM Architect and set the status back to “Not Deployed” in order to redeploy this application to Profitability and Cost Management.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}

Web Service API Name:

deleteApplication

Input Parameters:

String applicationName - Name of the application to be deleted from the Profitability and Cost Management database, and unregistered with Oracle Hyperion Shared Services.

Output Parameters:

@return String- Message indicating whether the application is successful or not

Request type:

POST

Parameter Type:

Path parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks5

Get Application Type Details

Use this resource to list the application type for all existing Profitability and Cost Management applications and General (for Standard Profitability) or Detail (for Detailed Profitability).

RESTFUL URL:

`http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}`

Web Service API Name:

`getApplicationType`

Input Parameters:

String applicationName - Name of the Profitability and Cost Management application for which the application type is to be retrieved.

Output Parameters:

@return String - ApplicationType return -The following types are returned:

- `ApplicationType.GENERAL` (For Standard Profitability applications)
- `ApplicationType.DETAIL` (For Detailed Profitability applications)
- `ApplicationType.MANAGEMENT_LEDGE` (For Management Ledger applications)

Request Type:

GET

Parameter Type:

Path parameters

Example URL:

`http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1`

Get Applications

Use this resource to list all existing Profitability and Cost Management applications

RESTFUL URL:

`http://{HostName}/profitability/rest/11.1.2.4.000/applications`

Web Service API Name:

`getApplication`

Input Parameters

None.

Output Parameters

@return List<ApplicationDTO> - List of ApplicationDTOs containing application information.

Request Type:

GET

Example URL:

`http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications`

Get Applications by Type

Use this resource to list all Profitability and Cost Management applications of the selected type.

RESTFUL URL:

`http://{HostName}/profitability/rest/11.1.2.4.000/applications/applicationsByType?applicationType=appType`

Web Service API Name:

getApplicationByType

Input Parameters

String applicationType - Specify the type of applications to be fetched from Profitability and Cost Management application server. These are the valid values:

- ApplicationType.GENERAL (For Standard Profitability applications)
- ApplicationType.DETAIL (For Detailed Profitability applications)
- ApplicationType.MANAGEMENT_LEDGE (For Management Ledger applications)

Output Parameters

@return List<ApplicationDTO> - Returns a list of applications for the selected type.

Request Type

GET

Parameter Type

Query Parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/applicationsByType?applicationType=MANAGEMENT_LEDGER

Get Essbase Application Dimensions

Use this resource to Get dimensions for a given application and a given cube name.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/aamApplications/{essbaseAppServer}/{applicationName}?cubeName=cubeName

Web Service API Name:

getEssbaseDimensions

Input Parameters

String essbaseAppServer - Name of the Essbase Application Server

String applicationName – Application Name for which dimensions have to be fetched

String cubeName – Cube Name for respective application

Output Parameters

@return String – String containing comma separated dimensions

Resource Type:

GET

Parameter Type:

Path parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/aamApplications/EssbaseCluster-1/LM1C?cubeName=LM1C

Get Essbase Application Properties

Use this resource to Get Essbase application Properties

RESTFUL URL

http://{HostName}/profitability/rest/11.1.2.4.000/aamApplications

Web Service API Name:

getApplicationProperties

Input Parameters

Output Parameters

@return String – String containing Application Properties including essbaseAppServers, webserver, instanceNames, sharedServicesProjects

Resource Type:

GET

Parameter Type:

Path parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/aamApplications

Get Essbase Applications

Use this resource to Get Essbase applications for a given Essbase Application Server

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/aamApplications/{ essbaseAppServer}

Web Service API Name:

getEssbaseApplications

Input Parameters

String essbaseAppServer - Name of the Essbase Application Server

Output Parameters

@return String – String containing Application Names

Resource Type:

GET

Parameter Type:

Path parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/aamApplications/EssbaseCluster-1

Manage Cube Resources

Clear ASO Cube (SP)

Use this resource to clear the ASO cube for a given App name, POV and Layer combination.

RESTFUL URL:

http://{HostName} /profitability/rest/11.1.2.4.000/applications/{ApplicationName}/povs/{povMemberGroup} /jobs/clearASOCube?layerName=value

Web Service API Name:

clearASOCube

Input Parameters

String applicationName - Name of the Standard Profitability and Cost Management application for which Calculation Scripts should be generated and executed, depending on the options selected.

Variable	Description	Example
povMemberGroups	POV information for which Calculation Script generation and execution should be performed.	2011_January_Actual
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST

Output Parameters

@return String - CES Task ID generated for this resource.

Note: You can use the `getTaskStatusByProcessName` resource to get the status of this CES task ID.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/clearASOCube?layerName=COST

ML Deploy Cube

Use this resource to deploy or redeploy the calculation cube for a selected Management Ledger Profitability application. The LedgerDeployOptionsDTO options relate to the check boxes you see in the application when you select Deploy Cube in the Manage Database screen.

RESTFUL URL:

<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/ledgerDeployCubeJob?isKeepData=Value&isReplaceCube=Value&isRunNow=Value&comment=Value>

Web Service API Name:

processLedgerDeployCube

Input Parameters

String applicationName - Name of the Profitability and Cost Management ManagementLedger application for which the processLedgerDeployCube resource is to be performed.

LedgerDeployCubeOptionsDTO ledgerDeployOptions - Selection details for Deploy Cube functionality. All the Boolean values in this DTO correspond to check boxes available on the Deploy Cube screen.

Output Parameters

@return String- CES Task ID generated for this resource.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks3/jobs/ledgerDeployCubeJob?isKeepData=true&isReplaceCube=true&isRunNow=true&comment=Test

SP Deploy Cube

Use this resource to deploy or redeploy the Calculation Cube or Reporting Cube for a selected Standard Profitability application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/spDeployCubeJob?cubeType=CALCULATION_CUBE&isFirstTimeDeployment=false&isUpdateDatabase=false&isReplaceDatabase=true

Web Service API Name:

deployCube

Input Parameters

String applicationName - Name of the Profitability and Cost Management application that is to be deployed.

Variable	Description	Example
cubeType	Valid values: CALCULATION_CUBE REPORTING_CUBE	CALCULATION_CUBE
isFirstTimeDeployment	Boolean flag specifying whether the cube is being deployed for the first time for this application. Valid values are TRUE or FALSE.	FALSE
isUpdateDatabase	Boolean flag specifying whether the database should be updated. Valid values are TRUE or FALSE.	TRUE
isReplaceDatabase	Boolean flag specifying whether the database should be replaced. Valid values are TRUE or FALSE. If its value is true you cannot enter values for isarchiveDataBeforeDeploy, isArchiveDataAndReloadAfterDeploy, isDeleteDataArchiveAfterReload	FALSE
isarchiveDataBeforeDeploy	Boolean flag specifying whether the data should be archived before deployment begins. Valid values are TRUE or FALSE.	TRUE

Variable	Description	Example
isArchiveDataAndReloadAfterDeploy	Boolean flag specifying whether the data archived before deployment should be reloaded after deployment completes. Valid values are TRUE or FALSE.	FALSE
isDeleteDataArchiveAfterReload	Boolean flag specifying whether to delete the archived data after reload. Valid values are TRUE or FALSE.	FALSE

Output Parameters

@return String- Process CES task ID generated for the deploy cube action.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/m11/jobs/spDeployCubeJob?cubeType=CALCULATION_CUBE&isFirstTimeDeployment=false&isUpdateDatabase=false&isReplaceDatabase=true

Manage POV Resources

Clear POV Data (SP, DP)

Use this resource to clear the POV data for selection stage and other details. Use with Standard Profitability and Detailed Profitability applications.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povGroupMembers}/jobs/clearSpDpPOVJob?stages=values&clearCostLayer=value&clearRevenueLayer=Value&clearDriverSelectionRules=Value&clearDriverSelectionExceptions=Value&clearAssignmentRuleSelections=Value&clearRegularAssignments=Value&clearCalculationRules=ValueWeb Service

API Name:

clearPOVData

Input Parameters

applicationName - Name of the Profitability and Cost Management application.

ClearPOVDTO - POV clear options.

Variable	Description	Example
clearAssignmentRuleSelections	Boolean flag specifying whether Assignment Rule Selections should be cleared. Valid values are TRUE or	TRUE

Variable	Description	Example
	FALSE.	
clearCalculationRules	Boolean flag specifying whether Calculation Rules should be cleared. Valid values are TRUE or FALSE.	TRUE
clearCostLayer	Boolean flag specifying whether Cost Layer should be cleared. Valid values are TRUE or FALSE.	TRUE
clearDriverSelectionExceptions	Boolean flag specifying whether Driver Selection Exceptions should be cleared. Valid values are TRUE or FALSE.	TRUE
clearDriverSelectionRules	Boolean flag specifying whether Driver Selection Rules should be cleared. Valid values are TRUE or FALSE.	TRUE
clearRegularAssignments	Boolean flag specifying whether Regular Assignments should be cleared. Valid values are TRUE or FALSE	TRUE
clearRevenueLayer	Boolean flag specifying whether Revenue Layers should be cleared. Valid values are TRUE or FALSE.	TRUE
povGrp	Specify dimension member names of the POV for which this clear POV data resource should be applied: povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4	povDimensionMember1 = 2012 povDimensionMember2 = January povDimensionMember3 = Actual
stages	Specify dimension member names of the POV for which this Bulk Edit resource should be applied: stages 1 stages 2 stages 3 stages N, stages N = [displayOrder = (int), example:1 stageName = (string)	Ledger Data

Output Parameters

None.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2010_January_Actual/jobs/clearSpDpPOVJob?stages=LedgerData_Activity&clearCostLayer=true&clearRevenueLayer=true&clearDriverSelectionRules=true&clearDriverSelectionExceptions=true&clearAssignmentRuleSelections=true&clearRegularAssignments=true&clearCalculationRules=false

Copy ML POV Data

Use this resource to copy model artifacts and data from a Source POV combination to a Destination POV combination for Management Ledger applications. This resource is equivalent to the functionality supported by the Point of View Manager screen's Copy POV Data control. Use with Management Ledger Profitability applications.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{srcPOVMemberGroup}/jobs/copyPOVJob/{destPOVMemberGroup}?manageRule=Value&inputData=Value&adjustmentValues=Value&allocatedValues=Value

Web Service API Name:

processLedgerCopyPOV

Input Parameters

String applicationName - Name of the Profitability and Cost Management ManagementLedger application for which the clearPOVData resource is to be performed.

LedgerCopyPOVOptionsDTO copyPOVData - Selection details for Copy POV functionality. All the Boolean values in this DTO correspond to check boxes available on the Point of View Manager's Copy POV screen.

Output Parameters

@return String - CES Task ID generated for this resource.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1/povs/2010_February_Actual/jobs/copyPOVJob/2011_March_Actual?isManageRule=true&isInputData=true&isAdjustmentValues=false&isAllocatedValues=true

Copy SP and DP POV Data

Use this resource to copy Model artifacts and Data from a Source POV combination to a Destination POV combination. This resource is equivalent to functionality supported by selecting Manage Model, then POV Manager, and then Copy on the screen, invoke this resource by using the following URL.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{sourcePOVGroupMember}/jobs/copySpDpPOVJob/{destinationPOVGroupMember}

Web Service API Name:

processCopyPOVData

Input Parameters:

Variable	Description	Example
sourcePOV	Specify dimension member names of the POV for which this Bulk Edit resource should be applied: povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4	povDimensionMember1 = 2012 povDimensionMember2 = January povDimensionMember3 = Actual
targetPOV	Specify dimension member names of the POV for which this Bulk Edit resource should be applied: povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4	povDimensionMember1 = 2012 povDimensionMember2 = March povDimensionMember3 = Actual
copyCostLayerData	Boolean flag specifying whether Cost Layer data should be copied. Valid values are TRUE or FALSE.	TRUE
copyRevenueLayerData	Boolean flag specifying whether Revenue Layer data should be copied. Valid values are TRUE or FALSE.	TRUE
copyAssignments	Boolean flag specifying whether assignments data should be copied. Valid values are TRUE or FALSE.	TRUE
copyDriverAssociations	Boolean flag specifying whether driver associations data should be copied. Valid values are TRUE or FALSE.	TRUE
copyDriverValues	Boolean flag specifying whether driver data should be copied. Valid values are TRUE or FALSE.	FALSE
copyCostRevenueValues	Boolean flag specifying whether Cost/Revenue values should be copied. Valid values are TRUE or FALSE.	FALSE
copyCalculationRules	Boolean flag specifying whether Calculation Rules should be copied for a Profitability and Cost Management Detailed Application. Valid values are TRUE or FALSE.	FALSE

Output Parameters:

@return String - CES Task ID generated for this resource.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID. See getTaskStatusByProcessName.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL(s):

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2010_February_Actual/jobs/copySpDpPOVJob/2012_February_Actual?copyCostLayerData=true©RevenueLayerData=true©Assignments=true©DriverAssociations=true©DriverValues=true©CostRevenueValues=true©CalculationRules=false

Delete POV

Use this resource to delete an existing POV in a Profitability and Cost Management application. Exercise caution when using this resource, because all model data associated with this POV will also be deleted with this resource

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroup}

Web Service API Name:

deletePOV

Input Parameters

String applicationName - Name of the Profitability and Cost Management application from which the POV is to be deleted.

String povMemberGroup - povDimensionMember1_ povDimensionMember2_ povDimensionMember3_ povDimensionMember4

Variable	Description	Example
povDimensionMember1	POV Dimension Member Name at Position 1	2012
povDimensionMember2	POV Dimension Member Name at Position 2	January
povDimensionMember3	POV Dimension Member Name at Position 3	Actual
povDimensionMember4	POV Dimension Member Name at Position 4	Plan

Output Parameters

@return String- CES Task ID generated for this resource.

Resource Type:

POST

Parameter Type

Path parameters

Example URL:

http://slc04lgy.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks5/povs/2011_March_Budget

Get POVs by an Application

Use this resource to retrieve all POV details for a selected application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs

Web Service API Name:

getPOV

Input Parameters

String applicationName - Name of the Profitability and Cost Management application for which the POVs should be retrieved.

Output Parameters

@return List<POVMemberGroupDTO> - list of POVMemberGroupDTOs containing POV information.

Resource Type

GET

Parameter Type

Path parameters

Example URL:

http://slc04lgy.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks5/povs

Run ML Clear POV

Use this resource to clear model artifacts and data from a POV combination for Management Ledger applications. This resource is equivalent to the functionality supported by the Point of View Manager screen's Clear POV Data control. Use with Management Ledger Profitability.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroup}/jobs/clearPOVJob?manageRule=Value&inputData=Value&adjustmentValues=Value&allocatedValues=Value

Web Service API Name:

processLedgerClearPOV

Input Parameters

String applicationName - Name of the Profitability and Cost Management ManagementLedger application for which the clearPOVData resource is to be performed.

LedgerClearPOVOptionsDTO clearPOVData - Selection details for Clear POV functionality. All the Boolean values in this DTO correspond to check boxes available on the Point of View Manager's Clear POV screen.

Output Parameters

@return String- CES Task ID generated for this resource.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1/povs/2011_March_Actual/jobs/clearPOVJob?isManageRule=true&isInputData=true&isAdjustmentValues=false&isAllocatedValues=true

Manage Rule, Driver, and Stage Resources

Get Assignment Rule Definitions (DP)

Use this resource to retrieve all Assignment Rule Definitions, not associations, for a particular stage for a given Detailed Profitability application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/assignmentRules?stageName=value

Web Service API Name:

getAssignmentRuleDefinitions

Input Parameters

String applicationName - Name of the Detailed Profitability and Cost Management application for which the Assignment Rule Definitions are being retrieved.

String stageName - Specify the stage name for which assignment rule definitions should be retrieved.

Output Parameters

@return List<AssignmentRuleDTO> - List of AssignmentRuleDTOs matching the above input parameters.

Resource Type:

GET

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/assignmentRules?stageName=Customer Activity Cost

Get DP Driver Definitions

Use this resource to list all Driver definitions for a Profitability and Cost Management Detailed application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/getDriverDefinitions

Web Service API Name:

getDriverDefinitions

Input Parameters

String applicationName - Name of the Profitability and Cost Management Detailed application for which you want to view the Driver Definitions.

Output Parameters

@return List<DriverDTO> - Returns a list of DriverDTOs.

Resource Type:

GET

Parameter Type:

Path parameters

Example URL:<http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/getDriverDefinitions>**Get Stages by an Application (SP, DP)**

Use this resource to retrieve all stage details for the given application name. This resource returns name and display order of a stage by using the following rest URL.

Note: This resource is valid for DP/SP applications.

RESTFUL URL:<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/stages>**Web Service API Name:**

getStagesByApplication

Input Parameters

String applicationName - Name of the Profitability and Cost Management application for which stage details should be retrieved.

Output Parameters

@return List<StageDTO> - Returns a list of StageDTOs containing stage information.

Resource Type:

GET

Parameter Type:

Path parameters

Example URL:<http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/stages><http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/stages>**ML Rule Balancing**

Use this resource to retrieve Rule Balancing Data for a particular POV for a given Detailed Profitability application.

RESTFUL URL:<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povGroupMembers}/ruleBalance?modelViewName=Test>**Web Service API Name:**

runRuleBalancing

Input Parameters

String applicationName - Name of the Detailed Profitability and Cost Management application for which the Assignment Rule Definitions are being retrieved.

String povGroupMembers – POV Dimension members separated by ‘_’

String modelViewName – Optional Model View Name

Output Parameters

@return List<RulesetDTO> - List of RulesetDTOs matching the above input parameters.

Resource Type:

GET

Parameter Type:

Path and Query parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1/povs/2014_January_Actual/ruleBalance?modelViewName=Test

Calculation Resources

Run DP Calculation

Use this resource to process and run calculations for a selected Detailed Profitability application. The following actions relate to the check boxes on the Mange Calculation tab of the application:

- *clearCalculated* - "Processing Options" then "Clear Calculation Values"
- *createContributionDetail* - "Processing Options" then "Execute Calculations" then "Create Contribution Detail"
- *createStageBalanceDetail* - "Processing Options" then "Execute Calculations" then "Create Stage Balance Detail"
- *createDriverTables* - "Processing Options" then "Execute Calculations" then "Create Detailed Calculated Driver Tables"
- *executeCalculations* - "Processing Options" then "Execute Calculations"
- *limitedPreview* - "Processing Options" then "Preview with Limited Source Set"
- *abortOnError* - "Processing Options" then "Abort Task Flow if any POV fails"

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/jobs/detailedCalculationProcessJob/{dataPovGroupMembers}/{modelPOVGroupMembers}?comment=Value&isClearCalculated=Value&isExecuteCalculations=Value&isCreateContributionDetail=Value&isCreateDetailCalculatedDriverTables=Value&isAbortOnError=Value&isRunSingleCalcRuleSequence=Value&calcRuleSequence=Value&isTransferToSrcStgDb=Value&isTransferToDstStgDb=Value&isTransferToContribDb=Value&preScript=Value&postScript

Web Service API Name:

processDetailedCalculations

Input Parameters

String applicationName - Name of the Detailed Profitability and Cost Management application that is to be calculated

Variable	Description	Examples
isClearCalculated	Boolean flag specifying whether previously calculated values should be cleared. Valid values are TRUE or FALSE.	TRUE

Variable	Description	Examples
isExecuteCalculations	Boolean flag specifying whether calculations should be executed as part of this resource. Valid values are TRUE or FALSE. Note: When the isExecuteCalculations flag is set to TRUE, you must provide values for isCreateContributionDetail, isCreateDetailCalculatedDriverTables	TRUE
isCreateContributionDetail	Boolean flag specifying contribution detail should be created. Valid values are TRUE or FALSE.	TRUE
isCreateDetailCalculatedDriverTables	Boolean flag specifying whether previously calculated values should be cleared. Valid values are TRUE or FALSE.	TRUE
isAbortOnError	Boolean flag specifying whether to abort on occurrence of any error while processing calculations. Valid values are TRUE or FALSE.	TRUE
dataPOVMemberGroup	List of POV Dimension Member Group details that should be considered for Data POV when calculating..	2012_January_Actual
modelPOVMemberGroup	Model POV dimension member group details when performing calculations.	2012_January_Actual
isRunSingleCalcRuleSequence	Boolean flag specifying whether to run single calculation Rule Sequence or not. Valid values are TRUE or FALSE. Note: When the isRunSingleCalcRuleSequence flag is set to TRUE, you must provide value for calcRuleSequence	FALSE
calcRuleSequence	Valid int value ie Calculation rule Sequence number.	1
isTransferToSrcStgDb	Boolean flag specifying whether to do data transfers to source stage Database or not. Valid values are TRUE or FALSE.	FALSE

Variable	Description	Examples
isTransferToDstStgDb	Boolean flag specifying whether to do data transfers to destination stage Database or not. Valid values are TRUE or FALSE.	FALSE
isTransferToContribDb	Boolean flag specifying whether to do data transfers to Contribution Database or not. Valid values are TRUE or FALSE.	FALSE
postScript	Name of the post-calculation script	POST
preScript	Name of the pre-calculation script	PRE

Output Parameters

@return String - CES Task ID generated for this resource.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/povs/jobs/detailedCalculationProcessJob/2012_January_Actual/2012_January_Actual?comment=Calculation to be done&isClearCalculated=true&isExecuteCalculations=true&isCreateContributionDetail=true&isCreateDetailCalculatedDriverTables=false&isAbortOnError=true&isRunSingleCalcRuleSequence=false&isTransferToSrcStgDb=false&isTransferToDstStgDb=false&isTransferToContribDb=false

Run ML Calculation

Use this resource to run calculations for a selected Management Ledger Profitability application. The LedgerCalculationOptionsDTO options relate to the check boxes you see in the application when you select Run Calculation in the Manage Calculations screen

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povGroupMember}/jobs/runLedgerCalculationJob?isClearCalculated=Value&isExecuteCalculations=Value&isRunNow=Value&comment=Value&subsetStart=value&subsetEnd=Value&ruleName=Value&ruleSetName=Value&exeType=Value

Web Service API Name:

processRunLedgerCalculation

Input Parameters

String applicationName - Name of the Profitability and Cost Management ManagementLedger application for which the processLedgerDeployCube resource is to be performed.

LedgerCalculationOptionsDTO ledgerCalculationOptions.

Resource Type:

POST

Output Parameters

@return String- CES Task ID generated for this resource.

Parameter Type:

Path and Query parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1/povs/2010_February_Actual/jobs/runLedgerCalculationJob?isClearCalculated=true&isExecuteCalculations=true&isRunNow=true&comment=This is run by user1&subsetStart=10&subsetEnd=20&ruleName=MyRule1&ruleSetName=MyRuleSetName1&exeType=Value

Run SP Calculation

Use this resource to initiate the process and run calculation scripts for a selected Standard Profitability application. The following actions relate to the check boxes on the Mange Calculation tab of the application:

- Clear All
- Clear Calculated
- Generate
- Calculate
- Transfer data after calculation.
- Calculate

Note: If you select the clearAllStageList or clearAllCalculatedStageList, list all stages that are to be cleared. If you do not want to clear any stages, use empty quotes ""

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroups}/jobs/calcScriptsProcessJob?layerName=value&clearCalculatedStageList=Value&clearAllStageList=Value&generateStageList=Value&calculateStageList=Value&isTransferData=value

Web Service API Name:

processCalcScript

Input Parameters

String applicationName - Name of the Standard Profitability and Cost Management application for which Calculation Scripts should be generated and executed, depending on the options selected.

Variable	Description	Example
povMemberGroups	POV information for which Calculation Script generation and execution should be performed.	2011_January_Actual
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST
clearCalculatedStageList	List of stage names for which generated calc	Ledger Data, Activity

Variable	Description	Example
	scripts need to be cleared.	
clearAllStageList	List of stage names for which all information must be cleared.	Ledger Data, Activity
generateStageList	List of stage names for which calc scripts need to be generated	Ledger Data, Activity
calculateStageList	List of stage names for which calc scripts should be executed	Ledger Data, Activity
isTransferData	Boolean flag specifying whether a data transfer need to be performed. Valid values are TRUE or FALSE.	FALSE

Output Parameters

@return String - CES Task ID generated for this resource.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/calcScriptsProcessJob?layerName=COST&clearCalculatedStageList=Ledger Data&clearAllStageList=Ledger Data&generateStageList=Ledger Data&calculateStageList=Ledger Data&isTransferData=true

For giving list of parameters for generateStageList:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/calcScriptsProcessJob?layerName=0&clearCalculatedStageList=Ledger Data&clearAllStageList=Ledger Data&generateStageList=Ledger Data&generateStageList=Activity&calculateStageList=Ledger Data&isTransferData=true

For not giving certain parameter like calculateStageList:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/calcScriptsProcessJob?layerName=0&clearCalculatedStageList=Ledger Data&clearAllStageList=Ledger Data&generateStageList=Ledger Data&isTransferData=true

Run SP Genealogy Execution Paths

Use this resource to execute the genealogy paths that have been defined for a selected Standard Profitability application. The following actions relate to the check boxes when you select Calculate, then Manage Calculation, and then the Genealogy tab.

RESTFUL URL:

<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povGroupMembers}/jobs/genealogyExecutionPathProcessJob?layerName=Value&paths=Value>

Web Service API Name:

processGenealogyExecutionPaths

Input Parameters

String applicationName - Name of the Profitability and Cost Management application for which the genealogy paths are to be calculated.

Variable	Description	Example
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST
paths	List of genealogy execution paths	1-3-5
povGrp	Specify the POV dimension member group information pertaining to this genealogy paths execution.	2011_January_Actual

Output Parameters

@return String - CES Task ID generated for this resource.

Note: You can use `getTaskStatusByProcessName` resource to get the status of this CES task ID.

Resource Type:

GET

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/genealogyExecutionPathProcessJob?layerName=COST&paths=1-2-3-4

Run SP Genealogy Execution Paths without ASO Cube Clear

Use this resource to execute the genealogy paths that have been defined for a selected Standard Profitability application without ASO cube clear. The following actions relate to the check boxes when you select Calculate, then Manage Calculation, and then the Genealogy tab.

RESTFUL URL:

<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povGroupMembers}/jobs/genealogyExecutionPathWithoutASOCubeClearProcessJob?layerName=Value&paths=Value>

Web Service API Name:

processGenealogyPathsWithOutASOCubeClear

Input Parameters

String applicationName - Name of the Profitability and Cost Management application for which the genealogy paths are to be calculated.

Variable	Description	Example
----------	-------------	---------

Variable	Description	Example
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST
paths	List of genealogy execution paths	1-3-5
povGrp	Specify the POV dimension member group information pertaining to this genealogy paths execution.	2011_January_Actual

Output Parameters

@return String - CES Task ID generated for this resource.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

GET

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/genealogyExecutionPathWithoutASOCubeClearProcessJob?layerName=COST&paths=1-2-3-4

Run SP Multi POV Calculation

Use this resource to process multi-POV calculations for a selected Standard Profitability application.

RESTFUL URL:

<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/jobs/multiPovCalcScriptProcessJob/{startPovMemberGroup}/{endPovMemberGroup}?layerName=value&clearCalculatedData=value&saveScripts=value>

Web Service API Name:

processMultiPOVCalcScript

Input Parameters

String applicationName - Name of the Detailed Profitability and Cost Management application that is to be calculated

Variable	Description	Examples
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST

Variable	Description	Examples
clearCalculatedData	Boolean flag specifying whether to clear calculated values. Valid values are TRUE or FALSE.	TRUE
saveScripts	Boolean flag specifying to save scripts generated while multi pov calculation. Valid values are TRUE or FALSE.	TRUE

Output Parameters

@return String - CES Task ID generated for this resource.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

GET

Parameter Type:

Path and Query parameters

Example URL:

http://slc06vya.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/jobs/multiPovCalcScriptProcessJob/2009_January_Actual/2012_January_Actual?layerName=COST&clearCalculatedData=false&saveScripts=false

Reporting Resources

Prepare Detailed Views for Reporting (DP)

Use this resource to prepare views for a Detailed Profitability and Cost Management application, invoke this resource by using the following URL.

Note: This resource is valid for DP applications.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/reportingViewGeneratorJob?dimensionNames= values

Web Service API Name:

prepareDetailedViewsForReporting

Input Parameters

String applicationName - Name of the Detailed Profitability and Cost Management application for which the reporting views are to be prepared.

List<DimensionDTO> dimensions- Specify the list of name and short name properties for dimension(s) to be included in generating the reporting views.

Output Parameters

None.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:**For single dimension :**

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/reportingViewGeneratorJob?dimensions=Scenario_TScenario

For multiple dimensions :

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/reportingViewGeneratorJob?dimensions=Accounts_TACC,Scenario_TScen

LCM Resources

Import from Staging (SP, DP)

Use this resource to execute the selected import configuration into a Profitability and Cost Management application, invoke this resource by using the following URL.

Note: This resource is valid for DP/SP applications.

RESTFUL URL:

<http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/importConfigJob?importConfigName=value>

Web Service API Name:

processRunImportFromStaging

Input Parameters

String applicationName - Name of the Profitability and Cost Management application into which the import configuration will import the data.

String importConfigName: - Name of the import configuration to be executed.

Output Parameters

@return String - CES Task ID generated for executing the Import Configuration.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/jobs/importConfigJob?importConfigName=Import_Config_Test

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/importConfigJob?importConfigName=DP_import_config_test

Miscellaneous Resources

Apply Bulk Edit (DP)

Use this resource to perform Bulk Edit for the given source assignment rules with destination rules, or Drivers for a Profitability and Cost Management Detailed application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povGroupMembers}/jobs/applyBulkEditJob?comment=Value&sourceRules=Value&drivers=Value&destinationRules=Value&isSelectEntireStageForDelete=Value&isSelectAllRulesOrDriversForDelete=Value

Web Service API Name:

processBulkEdit

Input Parameters

String applicationName - Name of the Profitability and Cost Management application to which this Bulk Edit resource is to be applied.

BulkEditOptionsDTO bulkEditOptions - DTO containing information required to perform the Apply Bulk Edit Resource.

BulkEditOptionsDTO

Variable	Description	Example
sourceRules	A List of Source Assignment Rule names being selected for this Bulk Edit Resource	Apply All Building Activities
destinationRules	A List of Destination Assignment Rule names being selected for this Bulk Edit Resource, Note: This value should be passed only with BulkEditResources.ADD_ASSIGNMENT_RULES and BulkEditResources.REMOVE_ASSIGNMENT_RULES.	Sales Order to Invoice
Drivers	Name of the Driver to be applied to the selected Source Assignment Rules as part of this Bulk Edit Resource. Note: Only one Driver name may be provided when using the BulkEditResources.ADD_DRIVER resource; however, a list of Driver names can be provided when using the BulkEditResources.REMOVE_DRIVERS resource	DRV Build Product
Resource	Specify the Bulk Edit resource: BulkEditResources.ADD_DRIVERS BulkEditResources.REMOVE_DRIVERS BulkEditResources.ADD_ASSIGNMENT_RULES BulkEditResources.REMOVE_ASSIGNMENT_RULES	BulkEditResources.ADD_DRIVERS
povGrp	Specify dimension members names for the POV for which this Bulk Edit resource is to be applied: povDimensionMember1 povDimensionMember2	povDimensionMember1 = 2012 povDimensionMember2 = January povDimensionMember

Variable	Description	Example
	povDimensionMember3 povDimensionMember4	ber3 = Actual
selectAllRulesOrDriversForDelete	Boolean flag specifying if all the destination assignment rules or drivers should be selected for delete. Valid values are TRUE or FALSE.	FALSE
selectEntireStageForDelete	Boolean flag specifying if the entire stage should be selected for delete. Valid values are TRUE or FALSE.	FALSE
Comment	Specify a comment for this Bulk Edit Resource.	“Bulk Edit Resource to Add Drivers”

Output Parameters

@return String - CES task ID generated for this resource.

Note: You can use getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

POST

Parameter Type:

Path and Query parameters

Example URL:

Add Drivers:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDp30/povs/2012_January_Actual/jobs/applyBulkEditJob?resource=Add Drivers&comment=bulk edit test&sourceRules=Apply All Building Activities,Apply Business Support Driver,Apply CoMarket&drivers=DRV Business Support&isSelectEntireStageForDelete=Y&isSelectAllRulesOrDriversForDelete=Y

Remove Drivers:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDp30/povs/2012_January_Actual/jobs/applyBulkEditJob?resource=Remove Drivers&comment=bulk edit test&sourceRules=Apply All Building Activities,Apply Business Support Driver,Apply CoMarket&drivers=DRV Business Support&isSelectEntireStageForDelete=Y&isSelectAllRulesOrDriversForDelete=Y

Add Assignment Rules:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDp30/povs/2012_January_Actual/jobs/applyBulkEditJob?resource=Add Assignment Rules&comment=bulk edit test&sourceRules=Apply All Building Activities,Apply Business Support Driver&destinationRules=All to Invoice,Building to Invoice&isSelectEntireStageForDelete=Y&isSelectAllRulesOrDriversForDelete=Y

Remove Assignment Rules:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/BksDp30/povs/2012_January_Actual/jobs/applyBulkEditJob?resource=Remove Assignment Rules&comment=bulk edit test&sourceRules=Apply All

Building Activities,Apply Business Support Driver&destinationRules=All to Invoice,Building to Invoice&isSelectEntireStageForDelete=Y&isSelectAllRulesOrDriversForDelete=Y

Get Job Services for a POV

Use this resource to retrieve all POV Jobs details for a selected application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/jobs

Web Service API Name:

getPOVJobs

Input Parameters

String applicationName - Name of the Profitability and Cost Management application for which the POV related Job services should be retrieved.

Output Parameters

@return String - Returns a list of job services that are available for the given POV based on its application type.

Resource Type

GET

Parameter Type

Path parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks5/povs/jobs

Get Job Services by an Application

Use this resource to list all Profitability and Cost Management application jobs of the selected application.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs

Web Service API Name:

getJobToApplication

Input Parameters

String applicationName - Name of the Profitability and Cost Management application for which the application type is to be retrieved.

Output Parameters

@return String - Returns a list of job services that are available for the given application based on its type.

Request Type

GET

Parameter Type

Query Parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1/jobs

Get Task Details by Process Name

Use this resource to retrieve the details like job id, name, start time, end time, user id and etc. for the given taskflowId.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/jobs/taskDetails/{processName}

Web Service API Name:

processGetTaskDetailsByProcessName

Input Parameters

String processName - Enter the process name or taskflow ID for which the status should be retrieved.

Output Parameters

@return JobDTO – JobDTO contains the details of the given taskflowId.

JobDTO

Variable	Description	Example
applicationName	Name of the Application for the given process name	BksSP82
comment	Comment given for the job/process	Testing bulk edit resource
jobType	Type of the job submitted.	Standard Calculation
startTime	Start time of the process	2014-10-27T06:25:21.446-06:00
executionType	Execution type of the process	CES
jobProperties	Parameters given for the job execution	editResource: Remove Driver, removeFromAllSources:N, removeAllRules:N, numberOfRules:0 and etc.
Status	Status of the submitted process.SUCCESS/FAILURE	Success
taskflowID	Name of the process	BksDP30_BulkEdit_D20141027T062515_281
endTime	End time of the process	2014-10-27T06:25:21.446-06:00
User	Id of the user who submitted the process	Admin
povName	Specify dimension member names of the POV for which this task details resource has been applied: povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4	povDimensionMember1 = 2012 povDimensionMember2 = January povDimensionMember3 = Actual

Note: You can use the getTaskStatusByProcessName resource to get the status of this CES task ID.

Resource Type:

POST

Parameter Type:

Path parameters

Example URL:

http://slc00dby.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/jobs/taskDetails/BksDP30_BulkEdit_D20141027T053021_c91

Get Task Status by Process Name

Use this resource to view the current status of the job process name (CES taskflow) as it is displayed on the Taskflow Status Summary. The status message contains Success or Failure details of the individual stages, along with the In-Progress or Completion status of the taskflow as a whole.

RESTFUL URL:

http://{HostName}/profitability/rest/11.1.2.4.000/applications/jobs/ChecktaskStatusJob/{processName}

Web Service API Name:

getTaskStatusByProcessName

Input Parameters

String processName - Enter the process name or taskflow ID for which the status should be retrieved.

Output Parameters

@return String- Comma-separated values of all tasks and their statuses for the specified taskflow process name. This is the taskflow from the Taskflow Status screen in the application.

For example, if the process has two tasks created for it with the IDs 12345 and 123455, the task IDs and status are displayed as follows: 12345=Done,123455=Active

Resource Type:

GET

Parameter Type:

Path parameters

Example URL:

http://slc04lly.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/jobs/ChecktaskStatusJob/MLBks1_CopyMLPOV_D20141014T071124_a5e

REFERENCES

REST Client Plugins

Mozilla :

<https://www.google.co.in/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CBwQFjAA&url=https%3A%2F%2Faddons.mozilla.org%2Fen-US%2Ffirefox%2Faddon%2Frestclient%2F&ei=n1U9VK-LHuvY7AaX-oGACw&usq=AFQjCNHTj5bfy3my21xQVUUP0RJGD5hRLw&sig2=LT0eGnKJjpvQm6sQ0200ew&bvm=bv.77412846,d.ZWU>

Chrome:

<https://chrome.google.com/webstore/detail/rest-console/cokgbflfommojglbmbpenpphpkmonn?hl=en>

Sample Code for Authentication

```
package oracle.epm.webservices.profitability.util;
```

```

import com.sun.jersey.api.client.Client;
import com.sun.jersey.api.client.ClientResponse;
import com.sun.jersey.api.client.WebResource;
import com.sun.jersey.core.util.Base64;

public class RestClient {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        String auth = new String(Base64.encode("admin:password1"));
        Client client = Client.create();
        WebResource webResource =
client.resource("http://slc04ljy.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications");
        ClientResponse response = webResource.header("Authorization", "Basic " +
auth).type("application/json").accept("application/json").get(ClientResponse.class);
        int statusCode = response.getStatus();
        if (statusCode == 401) {
            System.out.println("error");
        }

        System.out.println(response);
        String responseStr = response.getEntity(String.class);
        System.out.println(responseStr);

    }

}

```

Sample Client

Using the Profitability and Cost Management Sample REST Client File

The Sample Client File for Web Services displays the commands that can be used in your custom script for automating Profitability and Cost Management tasks, and identifies data within your Profitability and Cost Management model. The sample client file is intended as a guide only, to assist you in creating your custom scripts.

Setting Up the Sample Client Environment

To set up the sample client environment:

1. Open a command window.
2. Optional: If you are not running on the same machine on which Oracle Hyperion Enterprise Performance Management Workspace is installed, copy the folder `%EPM_ORACLE_HOME%/products/Profitability/samples/wsclient` to the machine on which the sample is to be accessed.

For example, `C:\wsclient`.

3. Edit the `hpm_ws_client.properties` file to reflect your local settings:

```

#Delimiter used to separate String literals in paramters string.delimiter=_
# Delimiter used to separate logical entities in parameters
# For example, when passing multiple POVs at a time, please use this to delimit POVs
# For example: 2009_January_Actual#2009_March_Actual when passing 2 POVs string.logical.delimiter=#
# SecurityPolicy associated with ProfitabilityService, that needs to be used by Sample Client.
# The sample client is programmed to work with only one value:
# a. USERNAME_TOKEN
hpcm.service.security.policy=USERNAME_TOKEN

## These next two values are needed for security policy:

```



```
## USERNAME_TOKEN
#HSS user name for the Profitability user. hss.username=admin
#Password for the username above. hss.password=password123

## These next two values are needed for RESTFUL Web Service URL purpose:

## HPCM REST URL which is to be accessed. Eg: http://slc04ssp.us.oracle.com:19000
hpcm.rest.url.host=http://slc00dby.us.oracle.com:19000

# HPCM REST URL version which is to be accessed. Eg: 11.1.2.4.000 version=11.1.2.4.000
```

4. **Optional:** If you are not running on the same machine on which the Oracle Hyperion Enterprise Performance Management Workspace is installed, download and install JDeveloper 11.1.1.6.0 locally to obtain the appropriate JAVA_HOME and MIDDLEWARE_HOME folders.
5. From a command or shell window, set the following environment variables:

Sample Client Environment Variables

Environment Variable	Location
JAVA_HOME	Location in which Java Development Kit is available: For Windows, enter SET JAVA_HOME=C:/Oracle/Middleware/jdk160_29 For UNIX, enter export JAVA_HOME=/usr/c/Oracle/Middleware/jdk160_29
MIDDLEWARE_HOME	Location in which Oracle Middleware home is installed. For Windows, enter SET MIDDLEWARE_HOME=C:/Oracle/Middleware For UNIX, enter export MIDDLEWARE_HOME=/usr/c/Oracle/Middleware

6. In the command window, go to C:\wsclient, and then enter the following command:


```
hpm_ws_rest_client.bat -help
```

A list of all available functions is displayed.
7. Use the format and resources specified in the sample client file to build your custom script. See [“Using the Sample Client File” on page 33](#).

Using the Sample Client File

The sample client file is intended as a guide for you to build your own custom scripts to access Oracle Hyperion Profitability and Cost Management data through Web Services. The sample client files are available at %EPM_ORACLE_HOME%/products/Profitability/ samples/wsclient. These files have been created using Batch Script (Windows OS) and Shell Script (UNIX/Linux OS).

To use the sample client file:

1. In the command window, go to C:\wsclient. See “Setting Up the Sample Client Environment”.
2. Enter the following command: hpm_ws_rest_client.bat - help
3. Select the resource to be performed, and enter the command in the following format:


```
hpm_ws_rest_client.bat - help <resource_name>
```

For example, to obtain the usage details of getPovs resource, enter the command in the following format:


```
hpm_ws_rest_client.bat - help getPovs
```
4. To use the sample client file to perform an resource, enter the command in the following format:

```
hpm_ws_rest_client.bat <resource_name> <<parameters>>
```

Example 1: List All Applications

For example, to obtain a list of all available applications, enter the command:

```
hpm_ws_client.bat getApplications
```

Example 2: List All POVs

For example, to obtain a list of all POVs for a given application, enter the command:

```
hpm_ws_rest_client.bat getPovs <<application name>>
```

Example 3: Get Stages

For example, to retrieve the stages for an application, enter the command:

```
hpm_ws_rest_client.bat getStages <<application name>>
```

Compiling the Code

The client sample is provided in the following formats:

- As source code (in wsclient/src/oracle/epm/webservices/profitability/client/ProfitabilityServicePortTypeRestClientSample.java)
- As a compiled binary file (in wsclient/lib/hpcmwsclient-sample.jar)

To successfully compile the code, you must specify the location of the common.components.home folder.

If the source code needs to be recompiled for any reason, you can recompile using Ant. The build.xml file for Ant is available in the wsclient folder.

To recompile the source code:

1. Open a command or shell window to specify the location of the common.components.home folder.

This folder is defined as MIDDLEWARE_HOME/oracle_common, where MIDDLEWARE_HOME is set as follows: | For Windows: SET MIDDLEWARE_HOME=C:/Oracle/Middleware | For UNIX: export MIDDLEWARE_HOME=/usr/c/Oracle/Middleware

2. Pass the folder location to Ant, using one of the following methods:

- As a command line parameter. For example:

```
ant -Dcommon.components.home=C:/Oracle/Middleware/oracle_common
```

- In the build.properties file, open the file for editing and uncomment the definition of the common.components.home variable. For example:

```
common.components.home=C:/Oracle/Middleware/oracle_common
```

3. Recompile the source code.

