ORACLE | Hyperion

Oracle Hyperion Profitability and Cost Management

REST API Developer's Guide

Release 11.2.6.0.000

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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 tasks. This API provides an alternative to using the web-based user interface for many operations.

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.

REST API Response

Every API returns some or all of the following content.

Attribute	Description	Example
Type	Product name	Profitability
Items (Optional)	List of objects returned by REST API	List of applications, list of stages, and so on. This information is displayed only when the list of objects is returned.
Status	Status code returned by the REST API	Status values -1 - In Progress 0 - Success 1 - Error
Status Message	Status message equivalent to Status	
Details	String value returned by REST API	CES Taskflow ID/Success Message in case of Success status Error Message in case Error/Exception
Links	Object representing URI of the invoked REST API	Self Link: http://slc04ljy.mydomain.com:19000/profitability/rest/v1/applications Related Link job Status: http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/LM1T2_LM1T2_DeployCube_D20160113T065447_b64_1

REST APIs Common for All Application Types

1. Get Applications

Description	Use this operation to list all existing Profitability and Cost Management applications
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications
Request Payload	

Response	{
	"items": [{
	"name": "AA1",
	"type": "MANAGEMENT_LEDGER"
	}, {
	"name": "vLM5",

	"type": "MANAGEMENT_LEDGER"
	}, {
	"name": "vLMA",
	"type": "MANAGEMENT_LEDGER"
	}],
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example

Response Values

Parameter	Description	Example
Name	Application Name	
Type	Application Type	MANAGEMENT_LEDGER GENERAL STANDARD

2. Get Applications Type Details

Description	Use this operation to list the application type for all existing Profitability and Cost Management applications.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/{applicationName}
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksMl12",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "MANAGEMENT_LEDGER",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	

Response Values

Parameter	Description	Example
Type	Application Type	MANAGEMENT_LEDGER

		GENERAL DETAIL

3. Get Applications by Type

Description	Use this operation to list all Profitability and Cost Management applications of the selected type.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/applicationsByType?queryParameter={"applicationType":"MANAGEMENT_LEDGER"}
Request Payload	

Response	{
	"items": [{
	"name": "AA1",
	"type": "MANAGEMENT_LEDGER"
	}, {
	"name": "vLM5",
	"type": "MANAGEMENT_LEDGER"
	}, {
	"name": "vLMA",
	"type": "MANAGEMENT_LEDGER"
	}],
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/applicationsByType?queryParameter=%7B%22applicationType%22:%22MANAGEMENT_LEDGER%22%7D",
	"action": "GET",
	"rel": "self",
	"data": {
	"applicationType": "MANAGEMENT_LEDGER"
	}
	}],
	"status": 0,
	"details": "",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
queryParameter	Application Type	{"applicationType":"MANAGEMENT_LEDGER"} {"applicationType":"GENERAL"} {"applicationType":"DETAIL"}

Response Values

Parameter	Description	Example
Name	Application Name	
Type	Application Type	MANAGEMENT_LEDGER GENERAL DETAIL

4. Get Job Services by an Application

Description	Use this operation to list all Profitability and Cost Management application jobs of the selected application.
Action Type	GET

Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/{applicationName}/jobs
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksML12/jobs",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "1. Deploy Cube \nURI:
	http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/ledgerDeployCubeJob?isKeepData=Value&isReplaceCube=Value&isRunNow=Value&comment=Value\n2. Task Status \nURI:
	http://{HostName}/profitability/rest/11.1.2.4.000/applications/jobs/ChecktaskStatusJob/{processName}",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	

Response Values

Parameter	Description	Example
Type	Job Type	Deploy Cube

5. Delete Application

Description	Use this operation to delete an existing Profitability and Cost Management application, and its association with Oracle Hyperion Shared Services (all application types).
Action Type	DELETE
Request URI	http://slc06vya.mydomain.com:6756/profitability/rest/v1/applications/{applicationName}
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:6756/profitability/rest/v1/applications/BksMl12",
	"action": "DELETE",
	"rel": "self"
	}],
	"status": 0,
	"details": "Application: BksMl12 is deleted successfully.",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	

Response Values

Parameter	Description	Example

6. Get Task Status by Process Name

Description	Use this operation to view the current status of the job process name (CES taskflow) as it is displayed on the Taskflow Status Summary (all application types).
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/{processName}
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/RBkML1_ExportTemplate_D20160112T025419_836",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details":
	"ExportTemplate=Success,RBkML1_ExportTemplate_D20160112T025419_836=Done",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
processName	Process Name/TaskflowId	RBkML1_ExportTemplate_D20160112T025419_836

Response Values

Parameter	Description	Example
Task	Task Name	ExportTemplate
Status	Task Status	Success

7. Get Job Services for POV

Description	Use this operation to retrieve all POV Jobs details for a selected application (all application types).
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/{applicationName}/povs/jobs
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/Ex3F3/povs/jobs",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "1. Copy POV \nURI:
	http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroup}/jobs/copyPOVJob/{destPOVMemberGroup}?isManageRule=true&is

	InputData=true&isAdjustmentValues=false&isAllocatedValues=true\n2. Copy POV \nURI: http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroup}/jobs/clearPOVJob?isManageRule=true&isInputData=true&isAdjustmentValues=false&isAllocatedValues=true\n3. Delete POV \nURI: http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroup}/jobs/{povMemberGroup}\n4. Run ML Calculation \nURI: http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/povs/{povMemberGroup}/jobs/runLedgerCalculationJob?isClearCalculated=true&isExecuteCalculations=true&isRunNow=true&comment=value&subsetStart=value&subsetEnd=value&ruleName=value&ruleSetName=value&exeType=value\n", "statusMessage": "Success" }
Process Type	Synchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	Ex3F3

Response Values

Parameter	Description	Example
Type	Job Type	Copy POV Run ML Calculation

8. Get POVs by an Application

Description	Use this operation to retrieve all POV details for a selected application (all application types).
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/{applicationName}/povs
Request Payload	

Response	{
	"items": [{
	"povDimensionMember1": "FY14",
	"povDimensionMember2": "JUN",
	"povDimensionMember3": "Actual",
	"povDimensionMember4": "Working",
	"povState": "Draft"
	}, {
	"povDimensionMember1": "FY14",
	"povDimensionMember2": "JUL",
	"povDimensionMember3": "Actual",
	"povDimensionMember4": "Working",
	"povState": "Draft"
	}],
	"type": "Profitability",
	"links": [{
	"href": "http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/Ex3F3/povs",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	

Response Values

Parameter	Description	Example
Pov Member Group	Pov Dimension Member1 Pov Dimension Member2 Pov Dimension Member3 Pov Dimension Member4	2012 January Actual Plan

9. Delete POV

Description	Use this operation to delete an existing POV in a Profitability and Cost Management application (all application types).
Action Type	DELETE
Request URI	http://{HostName}:6756/profitability/rest/v1/applications/{applicationName}/povs/{povMemberGroup}
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:6756/profitability/rest/v1/applications/Ex3F3/povs/FY14_JUN_Actual_Working",
	"action": "DELETE",
	"rel": "self",
	"data": {}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/Ex3F3_Ex3F3_DeleteMLPOV_D20160116T140536_da2_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "Ex3F3_Ex3F3_DeleteMLPOV_D20160116T140536_da2_1",
	"statusMessage": "In Progress"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	
povMemberGroup	povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4	2012. January Actual Plan

Response Values

Parameter	Description	Example
TaskflowID	Process Id for the submitted task	Ex3F3_Ex3F3_DeleteMLPOV_D20160113T052141_2fd_1

10. Get Task Details by Process Name

Description	Use this operation to retrieve the details like job id, name, start time, end time, user id and etc. for the given process.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/jobs/taskDetails/{processName}
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/Ex3F3_Ex3F3_DeleteMLPOV_D20160116T140536_da2_1",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
processName	Taskflow Id of the job	RBkML1_ExportTemplate_D20160112T025419_836

Response Values

Parameter	Description	Example
applicationName	Name of the Application for the given process name	
comment	Comment given for the job/process	
jobType	Type of the job submitted.	
startTime	Start time of the process	
executionType	Execution type of the process	
jobProperties	Parameters given for the job execution	
Status	Status of the submitted process.SUCCESS/FAILURE	
taskflowID	Name of the process	
endTime	End time of the process	
User	Id of the user who submitted the process	
povName	Specify dimension member names of the POV for which this task details operation has been applied: povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4	povDimensionMember1 = 2012 povDimensionMember2 = January povDimensionMember3 = Actual

11. Get Essbase Applications

Description	Use this operation to Get Essbase applications for a given Essbase Application Server.

Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications/{essbaseServer}
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications/EssbaseCluster-1",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "76m11R:[77m11R] \nAA3C:[AA3C] \nAmtpDim:[AmtpDim] \nAnMstr:[AnMstr] \nASOsamp:[Sample] \nBksMast:[BksMast] \nBksML12C:[BksML12C] \nBksML13C:[BksML13C] \nBksML1C:[BksML1C] \nBksSP82R:[BksSP82R] \nBSMML1C:[BSMML1C] \nCMAPMast:[CMAPMast] \nCMAPR:[CMAPR] \nCust:[Cust] \nD2S1:[D2S1] \nDemo1C:[Demo1C] \nDemoC:[DemoC] \nDPOHF1C:[DPOHF1C] \nEAlocBug:[EAlocBug] \nEx11F2C:[Ex11F2C] \nEx33F1C:[Ex33F1C] \nEX3F1LOC:[EX3F1LOC] \nEX3F1SDC:[EX3F1SDC] \nEx3FL3:[Ex3FL3] \nEx3FlC:[Ex3FlC] \nEx5F1C:[Ex5F1C] \nEx5M:[Ex5M] \nEXAMP:[EXAMP] \nExDPOH:[ExDPOH] \nExDPOHL:[ExDPOHL] \nExe5:[Exe5] \nExel11:[Exel11] \nExel11C:[Exel11C] \nExel3C:[Exel3C]\n",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
essbaseServer	Name of Essbase Server	EssbaseCluster-1

Response Values

Parameter	Description	Example
applicationName	Essbase Application Name	76m11R

12. Get Essbase Application Properties

Description	Use this operation to Get Essbase application Properties.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "essbaseAppServers:[EssbaseCluster-1] \nwebServer:SLC06VYA.mydomain.com \ninstanceNames:[PROFITABILITY_WEB_APP] \nsharedServicesProjects:[Essbase Studio Server 11.1.2 Servers, EssbaseCluster-1, Foundation, Default Application Group] \n",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example

Response Values

Parameter	Description	Example
essbaseAppServers	Essbase Application Server	EssbaseCluster-1
webServer	HPCM Application server	SLC06VYA.mydomain.com
instanceNames	Instance Name	PROFITABILITY_WEB_APP
sharedServicesProjects	Share Services Project	EssbaseCluster-1

13. Get Essbase Application Dimensions

Description	Use this operation to Get dimensions for a given application and a given cube name (all application types).
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications/{essbaseAppServer}/{applicationName}?queryParameter={“cubeName”.”BksML12C”)
Request Payload	

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications/EssbaseCluster-1/BksML12C?queryParameter=%7B%22cubeName%22:%22BksML12C%22%7D%22",
	"action": "GET",
	"rel": "self",
	"data": {
	"cubeName": "BksML12C"
	}
	}],
	"status": 0,
	"details": "[Accounts, Activities, Balance, CostCenters, Customers, Drivers, Period, Products, Region, Rule, Scenario, Year]",
	"statusMessage": "Success"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
essbaseAppServer	Essbase Application Server	EssbaseCluster-1
applicationName	Essbase Application Name	BksML12C
queryParameter	Cube Name	{"cubeName":"BksML12C"}

Response Values

Parameter	Description	Example
Dimension Names	Dimension Name	Accounts, Activities, Balance, CostCenters, Customers, Drivers, Period, Products, Region, Rule, Scenario, Year

14. Update Dimension for Native Application

Description	Use this operation to add or update a dimension for any native (file-based) application using a comma-delimited text file (.csv or .txt).

Action Type	POST
Request URI	http://{HostName}/profitability/rest/v1/fileApplications/{applicationName}/updateDimension

Request Payload	{
	"dataFileName":"input.txt"
	}

Response	{
	"type": "Profitability",
	"links": [
	{
	"href": "
	http://slc04ljy.mydomain.com:19000/profitability/rest/v1/fileApplications/BksML12
	/ updateDimension ",
	"action": "POST",
	"rel": "self",
	"data": {
	"dataFileName":"input.txt"
	}
	}, {
	"href":
	"http://sl04ljy.mydomain.com:19000/profitability/rest/v1/applications/jobs/Checkt
	askStatusJob/BksML12_BksML12_UpdateDimension_D20160118T051020_bb8_1",
	"action": "GET",
	"rel": "Job status"
	}
	],
	"status": -1,
	"details": "BksML12_BksML12_ UpdateDimension _D20160118T051020_bb8_1",
	"statusMessage": "In_Progress"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	BksML12
dataFileName	Name of the flat file already present in the import_export location of the server. (Mandatory parameter).	DimA.txt

Response Values

Parameter	Description	Example
Details	CES Task Id	BksML12_BksML12_UpdateDimension_D20160118T051020_bb8_1

15. Enable Native Application

Description	Use this resource to enable any native (file-based) application.
Action Type	POST
Request URI	http://{HostName}/profitability/rest/v1/fileApplications/{applicationName}/enableApplication
Request Payload	

Response	{
	"type": "Profitability",
	"links": [
	{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/fileApplications/BksMl1
	2/enableApplication",
	"action": "POST",
	"rel": "self"
	}
	],

	<pre>{
	  "status": 0,
	  "details": "BksMl12_BksMl12_EnableApplication_D20160113T075011_53c_1",
	  "statusMessage": "SUCCESS"
	}</pre>

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	BksMl12

Response Values

Parameter	Description	Example
Details	CES Task Id	BksMl12_BksMl12_EnableApplication_D20160113T075011_53c_1

16. Create Application Using Native Method

Description	Use this operation to create a new application of any type using the "native" (file-based) method. Creating an application using this method will allow you to add and update dimensions from .csv files, using the Update Dimension for Native Application operation.
Action Type	POST
Request URI	http:// ://{HostName}:19000/profitability/rest/v1/fileApplications/{applicationName}

Request Payload	<pre>{
	  "description": "description",
	  "instanceName": "PROFITABILITY_WEB_APP",
	  "essApplicationServer":"EssbaseCluster-1",
	  "sharedServicesProject":"EssbaseCluster-1",
	  "applicationType": "MANAGEMENT_LEDGER",
	  "webServer":"slc06vya.mydomain.com",
	  "ruleDimensionName":"Rule",
	  "balanceDimensionName":"Balance",
	  "unicode": "true"
	}</pre>

Response	<pre>{
	  "type": "Profitability",
	  "links": [
	  {
	  "href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/fileApplications/BksML12",
	  "action": "POST",
	  "rel": "self",
	  "data": {
	  "ruleDimensionName": "Rule",
	  "unicode": true,
	  "essApplicationServer": "EssbaseCluster-1",
	  "applicationType": "MANAGEMENT_LEDGER",
	  "balanceDimensionName": "Balance",
	  "sharedServicesProject": "EssbaseCluster-1",
	  "instanceName": "PROFITABILITY_WEB_APP",
	  "description": "description",
	  "webServer": "slc06vya.mydomain.com"
	  }
	  }
	  ],
	  "status": 0,
	  "details": "Application for Flat file import has been created with name ::
	BksML12",
	  "statusMessage": "SUCCESS"
	}</pre>

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	BksML1
applicationType	Application Type	Valid values are: MANAGEMENT_LEDGER STANDARD or GENERAL DETAILED or DETAIL
ruleDimensionName	For Management Ledger applications (optional) for overriding the Rule dimension name	Rule
balanceDimensionName	For Management Ledger applications (optional) for overriding the Balance dimension name	Balance
measuresDimensionName	For Standard or Detailed applications (optional) for overriding the default Measures dimension name.	MeasuresSP MeasuresDP
allocationTypeDimensionName	For Standard applications only (optional) for overriding the default Allocation Type dimension name	AllocationTypeSP

Response Values

Parameter	Description	Example

REST APIs for Management Ledger

17. ML Deploy Cube

Description	Use this operation to deploy or redeploy the calculation cube for a selected Management Ledger application.
Action Type	POST
Request URI	http://{HostName}/profitability/rest/v1/applications/{applicationName}/jobs/ledgerDeployCubeJob

Request Payload	<pre>{
	"isKeepData":"true",
	"isReplaceCube":"true",
	"isRunNow":"true",
	"comment":"Test Ml Deploy"
	}</pre>

Response	<pre>{
	"type": "Profitability",
	"links": [
	{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/LM1T2/jobs/ledgerDeployCubeJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"isRunNow": true,</pre>

	"isKeepData": true,
	"isReplaceCube": true,
	"comment": "Test Ml Deploy"
	}
	},
	{
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/CheckTaskStatusJob/LM1T2_LM1T2_DeployCube_D20160113T065447_b64_1",
	"action": "GET",
	"rel": "Job status"
	}
	],
	"status": -1,
	"details": "LM1T2_LM1T2_DeployCube_D20160113T065447_b64_1",
	"statusMessage": "IN_PROGRESS"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	LM1T2

Response Values

Parameter	Description	Example
details	CES Task Id	LM1T2_LM1T2_DeployCube_D20160113T051333_38e_1

18. Run ML Clear POV

Description	Use this operation to clear model artifacts and data from a POV combination for Management Ledger applications. This operation is equivalent to the functionality supported by the Point of View Manager screen's Clear POV Data control.
Action Type	POST
Request URI	http://{HostName}/profitability/rest/v1/applications/{applicationName}/povs/{povMemberGroup}/jobs/clearPOVJob

Request Payload	{
	"isManageRule":"true",
	"isInputData":"true",
	"isAdjustmentValues":"true",
	"isAllocatedValues":"true",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [
	{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/LM1T2/povs/2014_January_Actual/jobs/clearPOVJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"isAllocatedValues": true,
	"isInputData": true,
	"isManageRule": true,
	"stringDelimter": "_",
	"isAdjustmentValues": true
	}
	},
	{
	"href":

	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/CheckstaskStatusJob/LM1T2_LM1T2_ClearMLPOV_D20160113T065742_62d_1", "action": "GET", "rel": "Job status" }], "status": -1, "details": "LM1T2_LM1T2_ClearMLPOV_D20160113T065742_62d_1", "statusMessage": "IN_PROGRESS" }
Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	LM1T2
povMemberGroup	POV member group	2014_January_Actual

Response Values

Parameter	Description	Example
details	CES Task Id	LM1T2_LM1T2_ClearMLPOV_D20160113T054651_746_1

19. Copy ML POV Data

Description	Use this operation to copy model artifacts and data from a Source POV combination to a Destination POV combination for Management Ledger applications. This operation is equivalent to the functionality supported by the Point of View Manager screen's Copy POV Data control.
Action Type	POST
Request URI	http://{HostName}/profitability/rest/v1/applications/{applicationName}/povs/{srcPOVMemberGroup}/jobs/copyPOVJob/{destPOVMemberGroup}

Request Payload	{
	"isManageRule":"true",
	"isInputData":"true",
	"isAdjustmentValues":"true",
	"isAllocatedValues":"true",
	"stringDelimter":"_",
	"createDestPOV":"true"
	}

Response	{
	"type": "Profitability",
	"links": [
	{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/LM1T2/povs/2014_January_Actual/jobs/copyPOVJob/2014_March_Actual",
	"action": "POST",
	"rel": "self",
	"data": {
	"isAllocatedValues": true,
	"isInputData": true,
	"createDestPOV": true,
	"isManageRule": true,
	"stringDelimter": "_",
	"isAdjustmentValues": true
	}
	},
	{
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/CheckstaskStatusJob/LM1T2_LM1T2_CopyMLPOV_D20160113T065943_75b_1",
	"action": "GET",
	"rel": "Job status"

	}], "status": -1, "details": "LM1T2_LM1T2_CopyMLPOV_D20160113T065943_75b_1", "statusMessage": "IN_PROGRESS" }
Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	LM1T2
srcPOVMemberGroup	Source POV member group	2014_January_Actual
destPOVMemberGroup	Destination POV member group	2014_March_Actual

Response Values

Parameter	Description	Example
details	CES Task Id	LM1T2_LM1T2_ClearMLPOV_D20160113T054651_746_1

20. Run ML Calculation

Description	Use this operation to run calculations for a selected Management Ledger application.
Action Type	POST
Request URI	http://{HostName}/profitability/rest/v1/applications/{applicationName}/povs/{povGroupMember}/jobs/runLedgerCalculationJob

Request Payload	{
	"isClearCalculated":"true",
	"isExecuteCalculations":"true",
	"isRunNow":"true",
	"comment":"This is run by user1",
	"subsetStart":10,
	"subsetEnd":20,
	"ruleName":"Utilities Expense Adjustment",
	"ruleSetName":"Occupancy Expense Allocations",
	"exeType":"ALL_RULES",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [
	{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksML1/povs/2010_January_Actual/jobs/runLedgerCalculationJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"isExecuteCalculations": true,
	"subsetStart": 10,
	"ruleSetName": "Occupancy Expense Allocations",
	"comment": "This is run by user1",
	"subsetEnd": 20,
	"stringDelimter": "_",
	"ruleName": "Utilities Expense Adjustment",
	"isClearCalculated": true,
	"isRunNow": true,
	"exeType": "ALL_RULES"
	}
	},
	{
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/Check

	taskStatusJob/BksML1_BksML1_RunCalcs_D20160113T070358_1da_1", "action": "GET", "rel": "Job status" }], "status": -1, "details": "BksML1_BksML1_RunCalcs_D20160113T070358_1da_1", "statusMessage": "IN_PROGRESS" }
Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	BksML1
povGroupMember	POV member group	2010_January_Actual

Response Values

Parameter	Description	Example
Details	CES Task Id	BksML1_BksML1_RunCalcs_D20160113T060906_868_1

21. ML Rule Balancing

Description	Use this operation to retrieve Rule Balancing Data for a particular POV for a given Management Ledger application.
Action Type	GET
Request URI	http://{HostName}/profitability/rest/v1/applications/{applicationName}/povs/{povGroupMembers}/ruleBalance?queryParameter={"modelViewName":"modelViewName"} **Note:** If the model view name is empty, the default model view is used.
Request Payload	
Response	{ "items": [{ "ruleNumber": "", "rules": [], "balanceTypeRule": true, "scale": 2, "sequence": 0, "name": "NoRule", "description": null, "runningBalance": 49357098.03, "balance": 49357098.03, "allocationIn": null, "allocationOut": null, "adjustmentIn": null, "adjustmentOut": null, "input": 49357098.03, "runningRemainder": 49357098.03, "remainder": 49357098.03, "netChange": null, "offset": null, "inputAsString": "49,357,098.03", "adjInAsString": "-", "adjOutAsString": "-", "allocInAsString": "-", "allocOutAsString": "-", "balanceAsString": "49,357,098.03", "runningBalanceAsString": "49,357,098.03", "runningRemainderAsString": "49,357,098.03", "remainderAsString": "49,357,098.03", "netChangeAsString": "-", "offsetAsString": "-"

	},
	],
	"type": "Profitability",
	"links": [
	{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/Ex3F1/povs/FY14_JUN_Actual_Working/ruleBalance?queryParameter=%7B%22modelViewName%22:%22BU%2010601%22%7D",
	"action": "GET",
	"rel": "self",
	"data": {
	"modelViewName": "BU 10601"
	}
	}
	],
	"status": 0,
	"details": "",
	"statusMessage": "SUCCESS"
	}

Process Type	synchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	Ex3F1
povGroupMember	POV member group	FY14_JUN_Actual_Working
modelViewName	Model view name	BU 10601

Response Values

Parameter	Description	Example

22. ML Essbase Data Load

Description	Use this resource to load data to Essbase for a Management Ledger application without using the EAS Console. Note that it can upload a local data file to Profitability and Cost Management to be used for the data load to Essbase. To do this, the client code needs to attach the local data file content to the payload of this resource.
Action Type	POST
Request URI	http://slc04ljy.mydomain.com:19000/profitability/rest/v1/applications/{applicationName}/jobs/essbaseDataLoadJob

Request Payload	{
	"clearAllDataFlag":"true",
	"dataLoadValue":"OVERWRITE_EXISTING_VALUES",
	"rulesFileName":"rule.txt",
	"dataFileName":"input.txt"
	}

Response	{
	"type": "Profitability",
	"links": [
	{
	"href": "
	http://slc04ljy.mydomain.com:19000/profitability/rest/v1/applications/BksML12/jobs/ essbaseDataLoadJob ",
	"action": "POST",
	"rel": "self",
	"data": {
	"clearAllDataFlag":"true",
	"dataLoadValue":"OVERWRITE_EXISTING_VALUES",

	"rulesFileName":"rule.txt",
	"dataFileName":"input.txt"
	}
	}, {
	"href":
	"http://sl04ljy.mydomain.com:19000/profitability/rest/v1/applications/jobs/CheckttaskStatusJob/BksML12_BksML12_LoadData_D20160118T051020_ba8_1",
	"action": "GET",
	"rel": "Job status"
	}
	],
	"status": -1,
	"details": "BksML12_BksML12_LoadData_D20160118T051020_ba8_1",
	"statusMessage": "In_Progress"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	BksML12
clearAllDataFlag	Clear existing data before load: true/false	
dataLoadValue	OVERWRITE_EXISTING_VALUES ADD_EXISTING_VALUES	
rulesFileName	Name of the rule file already present in import_export location of the server machine. (Optional parameter)	Rule1.txt
dataFileName	Name of the data file already present in the import_export location of the server. (Mandatory parameter)	Inpdat1.txt

Response Values

Parameter	Description	Example

23. Export ML Template

Description	Use this operation to export Management Ledger applications as a template zip file. The same template file can be imported into other Profitability and cost management instances. When an already existing file name is used then it will overwrite content in the existing file. **NOTE:** Input Data export is not currently available when a template is exported using the REST API. However, this feature is supported from the user interface.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/Ex3F3/jobs/templateExportJob

Request Payload	{
	"fileName":"testFile"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/Ex3F3/jobs/templateExportJob?fileName=test123",
	"action": "POST",

	"rel": "self",
	"data": {}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/Ex3F3_Ex3F3_ExportTemplate_D20160113T090737_166_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "Ex3F3_Ex3F3_ExportTemplate_D20160113T090737_166_1",
	"statusMessage": "IN_PROGRESS"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
fileName	fileName	testFile

Response Values

Parameter	Description	Example
details	CES task id	Ex3F3_Ex3F3_ExportTemplate_D20160113T051000_d66_1

24. Import ML Template

Description	Use this operation to import an entire Management Ledger application from a template zip file (which was created by a template export operation). This creates a new application which contains the same dimension metadata and artifacts as the exported application.
Action Type	Post
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksTs/jobs/templateImportJob

Request Payload	{
	"description":"description",
	"instanceName":"PROFITABILITY_WEB_APP",
	"essApplicationServer":"EssbaseCluster-1",
	"sharedServicesProject":"EssbaseCluster-1",
	"applicationType": "MANAGEMENT_LEDGER",
	"fileName":" testFile12345.zip",
	"isApplicationOverwrite":"true"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksT1/jobs/templateImportJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"instanceName": "PROFITABILITY_WEB_APP",
	"essApplicationServer": "EssbaseCluster-1",
	"sharedServicesProject": "EssbaseCluster-1",
	"description": "description",
	"isApplicationOverwrite": true,
	"applicationType": "MANAGEMENT_LEDGER",
	"fileName": " testFile12345.zip"
	}
	}],
	"status": 1,
	"details": "the given File not found : filename is testFile12345.zip",
	"statusMessage": "ERROR"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
description	Description for application (mandatory parameter)	description
instanceName	Instance name for the application (mandatory parameter)	PROFITABILITY_WEB_APP
essApplicationServer	Essbase Application Server name (mandatory parameter)	EssbaseCluster-1
sharedServicesProject	Shared Services Project Name (mandatory parameter)	EssbaseCluster-1
applicationType	Type of application	
fileName	Name of the zip file already present in export import location. (Mandatory parameter)	
isApplicationOverwrite	if value is true then it will delete existing application and then creates new application & if false then it will return with message that application already exist(default is males and it is an optional parameter)	true

Response Values

Parameter	Description	Example
details	CES task id	AppMgmt_AppMgmt_ImportTemplate_D20160113T051745_d85_1

25. Create ML Application Using Master Cube Method

Description	Use this operation to create a Management Ledger application using an Essbase master cube.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/fileApplications/{applicationName}

Request Payload	{
	"description":"description",
	"instanceName":"PROFITABILITY_WEB_APP",
	"essApplicationServer":"EssbaseCluster-1",
	"sharedServicesProject":"EssbaseCluster-1",
	"applicationType":"MANAGEMENT_LEDGER",
	"essApplication":"BksMast",
	"essApplicationDatabase":"BksMast",
	"dimensions":["Year","Period","Accounts","Products"],
	"webServer":"slc06vya.mydomain.com"
	}

Response	{
	"type": "Profitability",
	"status": -1,
	"statusMessage": "In Progress",
	"details": "AppMgmt_DeployApplication_D20160127T030614_464",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/aamApplications/Bks11",
	"action": "POST",
	"rel": "self",
	"data": {
	"dimensions": ["Year", "Period", "Accounts", "Products"],
	"essApplicationDatabase": "BksMast",
	"essApplicationServer": "EssbaseCluster-1",
	"applicationType": "MANAGEMENT_LEDGER",
	"essApplication": "BksMast",
	"sharedServicesProject": "EssbaseCluster-1",
	"instanceName": "PROFITABILITY_WEB_APP",
	"description": "description",
	"webServer": "slc06vya.mydomain.com"

	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/AppMgmt_DeployApplication_D20160127T030614_464",
	"action": "GET",
	"rel": "Job Status"
	}]
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
applicationName	Application Name	ABks12
description		
instanceName	Instance Name	PROFITABILITY_WEB_APP
essApplicationServer	Essbase Application Server	EssbaseCluster-1
sharedServicesProject	Shared Services Project	EssbaseCluster-1
applicationType	Application Type	MANAGEMENT_LEDGER
webServer	HPCM web server	slc06vya.mydomain.com
ruleDimensionName	Rule Dimension Name	Rule
balanceDimensionName	Balance Dimension Name	Balance
unicode	true/fasle	

Response Values

Parameter	Description	Example
Application Name	Application Name	ABks12

REST APIs common for Standard and Detailed Profitability

26. Get Stages by Application

Description	Use this operation to retrieve all stage details for the given application name. This operation returns name and display order of a stage by using the following rest URI. This operation is valid for Standard Profitability and Detailed Profitability applications.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/stages
Request Payload	Not needed

Response	{
	"items": [{
	"stageName": "Ledger Data",
	"displayOrder": 1
	}, {
	"stageName": "Activity",
	"displayOrder": 2
	}, {
	"stageName": "Cost Objects",
	"displayOrder": 3
	}, {
	"stageName": "Profitability",
	"displayOrder": 4
	}, {
	"stageName": "test1",
	"displayOrder": 5
	}, {
	"stageName": "test2",

	"displayOrder": 6
	}],
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/stages",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "",
	"statusMessage": "SUCCESS"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
Application name	Application Name	

Response Values

Parameter	Description	Example
List of stages	Stages	

27. Import from Staging (SP & DP)

Description	Use this operation to execute the selected import configuration into a Profitability and Cost Management application. This operation is valid for Standard Profitability and Detailed Profitability applications.
Action Type	Post
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/jobs/importConfigJob

Request Payload	{
	"importConfigName":"Import_Config_Test"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/jobs/importConfigJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"importConfigName": "Import_Config_Test"
	}
	}],
	"status": 1,
	"details": "Invalid import configuration name: ''Import_Config_Test'' associated with application: ''BksSP82''",
	"statusMessage": "ERROR"
	}

Process Type	Synchronous

Request Parameters

Parameter	Description	Example
importConfigName	Name of the import configuration to be executed	importConfigName

Response Values

Parameter	Description	Example
result	CES Task ID generated for executing the Import Configuration.	Ex3F3_Ex3F3_ExportTemplate_D20160113T051000_d66_1

28. Copy SP & DP POV data

Description	Use this operation to copy Model artifacts and Data from a Source POV combination to a Destination POV combination. This operation is equivalent to functionality supported from the UI by selecting Manage Model, then POV Manager, and then Copy. This operation is valid for Standard Profitability and Detailed Profitability applications.
Action Type	Post
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2010_February_Actual/jobs/copySpDpPOVJob/2012_January_Actual

Request Payload	{
	"copyCostLayerData":"true",
	"copyRevenueLayerData":"true",
	"copyAssignments":"true",
	"copyDriverAssociations":"false",
	"copyDriverValues":"true",
	"copyCostRevenueValues":"false",
	"copyCalculationRules":"false",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2010_February_Actual/jobs/copySpDpPOVJob/2012_January_Actual",
	"action": "POST",
	"rel": "self",
	"data": {
	"copyDriverAssociations": false,
	"copyCostLayerData": true,
	"copyAssignments": true,
	"stringDelimter": "_",
	"copyCalculationRules": false,
	"copyCostRevenueValues": false,
	"copyDriverValues": true,
	"copyRevenueLayerData": true
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksSP82_BksSP82_CopyPOV_D20160114T041354_115_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "BksSP82_BksSP82_CopyPOV_D20160114T041354_115_1",
	"statusMessage": "In Progress"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
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	true

	data should be copied. Valid values are TRUE or FALSE.	
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.	true
copyCalculationRules	Boolean flag specifying whether Calculation Rules should be copied for a Profitability and Cost Management Detailed Application. Valid values are TRUE or FALSE.	true
stringDelimter	Delimiter used to separate logical entities in parameters. For example, when passing POVs at a time, please use this to delimit POVs _ Eg: 2009_January_ActuaL when passing POV MEMBERS TO 2009, January , Actual	_

Response Values

Parameter	Description	Example
details	CES task id	BksSP82_BksSP82_CopyPOV_D20160112T015313_580_1

29. Clear SP & DP POV data

Description	Use this operation to clear the POV data for selection stage and other details. Use with Standard Profitability and Detailed Profitability applications.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2010_January_Actual/jobs/clearSpDpPOVJob

Request Payload	{
	"stages":"Ledger Data_Activity",
	"clearCostLayer":"true",
	"clearRevenueLayer":"true",
	"clearDriverSelectionRules":"true",
	"clearDriverSelectionExceptions":"false",
	"clearAssignmentRuleSelections":"true",
	"clearRegularAssignments":"false",
	"clearCalculationRules":"false",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2010_January_Actual/jobs/clearSpDpPOVJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"clearCalculationRules": false,
	"clearRevenueLayer": true,
	"stages": "Ledger Data_Activity",
	"clearDriverSelectionExceptions": false,
	"clearRegularAssignments": false,

	"clearDriverSelectionRules": true, "clearAssignmentRuleSelections": true, "clearCostLayer": true, "stringDelimter": "_" } }], "status": 0, "details": "Cleared POV Successfully", "statusMessage": "Success" }
Process Type	Synchronous

Request Parameters

Parameter	Description	Example
stages	Specify dimension member names of the POV for which this Bulk Edit operation should be applied: stages 1 stages 2 stages 3 stages N, stages N = [displayOrder = (int), example:1 stageName = (string)	Ledger Data_Activity
clearCostLayer	Boolean flag specifying whether Cost Layer 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
clearDriverSelectionRules	Boolean flag specifying whether Driver Selection Rules 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
clearAssignmentRuleSelections	Boolean flag specifying whether clear assignment rule selection should be cleared. Valid values are TRUE or FALSE.	true
clearRegularAssignments	Boolean flag specifying whether clear regular assignments should be cleared. Valid values are TRUE or FALSE.	true
clearCalculationRules	Boolean flag specifying whether clear calculation rules should be cleared. Valid values are TRUE or FALSE.	true
stringDelimter	Delimiter used to separate logical entities in parameters For example, when passing POVs at a time, please use this to delimit POVs _ Eg: 2009_January_ActuaL when passing POV MEMBERS TO 2009, January , Actual	

Response Values

Parameter	Description	Example
Success message	Cleared POV Successfully	

REST APIs for Standard Profitability

30. SP Deploy Cube

Description	Use this operation to deploy or redeploy the Calculation Cube or Reporting Cube for a selected Standard Profitability application.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/jobs/spDeployCubeJob

Request Payload	{
	"keepData":"false",
	"replaceCube":"true",
	"cubeType":"CALCULATION_CUBE",
	"isFirstTimeDeployment":"false",
	"isUpdateDatabase":"false",
	"isReplaceDatabase":"true",
	"isarchiveDataBeforeDeploy":"false",
	"isArchiveDataAndReloadAfterDeploy":"false",
	"isDeleteDataArchiveAfterReload":"false"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/jobs/spDeployCubeJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"cubeType": "CALCULATION_CUBE",
	"isarchiveDataBeforeDeploy": false,
	"isUpdateDatabase": false,
	"isArchiveDataAndReloadAfterDeploy": false,
	"keepData": false,
	"replaceCube": true,
	"isReplaceDatabase": true,
	"isDeleteDataArchiveAfterReload": false,
	"isFirstTimeDeployment": false
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksSP82_BksSP82_DeployCube_D20160114T042108_290_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "BksSP82_BksSP82_DeployCube_D20160114T042108_290_1",
	"statusMessage": "In Progress"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
keepData	Boolean flag specifying whether data needs to kept or not. Valid values are TRUE or FALSE.	true
replaceCube	Boolean flag specifying whether the replace cube or not. Valid values are TRUE or FALSE	true
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.	true
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	true
isarchiveDataBeforeDeploy	Boolean flag specifying whether the data should be archived before deployment begins. Valid values are TRUE or FALSE.	true
isArchiveDataAndReloadAfterDeploy	Boolean flag specifying whether the data archived before deployment should be reloaded after deployment completes. Valid values are TRUE or FALSE.	true
isDeleteDataArchiveAfterReload	Boolean flag specifying whether to delete the archived data after reload. Valid values are TRUE or FALSE.	true

Response Values

Parameter	Description	Example
details	CES task id	BksSP82_BksSP82_DeployCube_D20160113T062359_8e8_1

31. Run SP calculation

Description	Use this operation to initiate the process and run calculation scripts for a selected Standard Profitability application. The following actions relate to the check boxes on the Manage Calculation tab of the application.
Action Type	Post
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2010_February_Actual/jobs/calcScriptsProcessJob

Request Payload	{
	"layerName":"COST",
	"clearCalculatedStageList":["Ledger Data","Activity","Cost Objects"],
	"clearAllStageList":["Ledger Data","Activity","Cost Objects"],
	"generateStageList":["Ledger Data","Activity","Cost Objects"],
	"calculateStageList":["Ledger Data","Activity","Cost Objects"],
	"isTransferData":"true",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2010_February_Actual/jobs/calcScriptsProcessJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"isTransferData": false

	<pre>}
	}],
	"status": 1,
	"details": "Layer name not specified.",
	"statusMessage": "Error"
	}</pre>

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
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 scripts need to be cleared.	Ledger Data","Activity","Cost Objects
clearAllStageList	List of stage names for which all information must be cleared.	Ledger Data","Activity","Cost Objects
List of stage names for which calc scripts need to be generated	List of stage names for which calc scripts need to be generated	Ledger Data","Activity","Cost Objects
calculateStageList	List of stage names for which calc scripts should be executed	Ledger Data","Activity","Cost Objects
isTransferData	Boolean flag specifying whether a data transfer need to be performed. Valid values are TRUE or FALSE.	true
stringDelimter	Delimiter used to separate logical entities in parameters For example, when passing POVs at a time, please use this to delimit POVs _ Eg: 2009_January_ActuaL when passing POV MEMBERS TO 2009, January , Actual	_

Response Values

Parameter	Description	Example
details	CES task id	BksSP82_BksSP82_CalcScripts_D20160113T062311_401_1

32. Run SP Genealogy Execution paths

Description	Use this operation 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.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2011_January_Actual/jobs/geneologyExecutionPathProcessJob

Request Payload	<pre>{
	"layerName":"COST",
	"paths":["1-2-3-4"]
	}</pre>

Response	<pre>{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/p</pre>

	ovs/2011_January_Actual/jobs/geneologyExecutionPathProcessJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"layerName": "COST",
	"paths": ["1-2-3-4"]
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksSP82_BksSP82_GenScrptCreate_D20160114T042735_29e_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "BksSP82_BksSP82_GenScrptCreate_D20160114T042735_29e_1",
	"statusMessage": "In Progress"
	}

Process Type	Asynchronous

Request Parameters

Parameter	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

Response Values

Parameter	Description	Example
details	CES task id	BksSP82_BksSP82_GenScrptCreate_D20160113T062216_915_1

33. Clear ASO Cube (SP)

Description	Use this operation to clear the ASO cube for a given Application name, POV and Layer combination as General (for Standard Profitability).
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2011_January_Actual/jobs/clearASOCube

Request Payload	{
	"layerName":"COST",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2011_January_Actual/jobs/clearASOCube",
	"action": "POST",
	"rel": "self",
	"data": {
	"layerName": "COST",
	"stringDelimter": "_"
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksSP82_BksSP82_GenScrptCreate_D20160113T040433_f86_1",
	"action": "GET",
	"rel": "Job status"
	}],

	"status": -1, "details": "BksSP82_BksSP82_GenScrptCreate_D20160113T040433_f86_1", "statusMessage": "IN_PROGRESS" }
Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST
stringDelimter	Delimiter used to separate logical entities in parameters For example, when passing POVs at a time, please use this to delimit POVs Eg: 2009_January_ActuaL when passing POV MEMBERS TO 2009, January , Actual This is optional field.	_

Response Values

Parameter	Description	Example

34. Run SP Genealogy Execution Paths without ASO Cube Clear

Description	Use this operation 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.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2011_January_Actual/jobs/geneologyExecutionPathWithoutASOCubeClearProcessJob

Request Payload	{
	"layerName":"COST",
	"paths":["1-2-3-4"]
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2011_January_Actual/jobs/geneologyExecutionPathWithoutASOCubeClearProcessJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"layerName": "COST",
	"paths": ["1-2-3-4"]
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksSP82_BksSP82_GenScrptCreate_D20160113T053648_a4b_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,

	"details": "BksSP82_BksSP82_GenScrptCreate_D20160113T053648_a4b_1", "statusMessage": "IN_PROGRESS" }
Process Type	Asynchronous

Request Parameters

Parameter	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	1-2-3-4

Response Values

Parameter	Description	Example

35. Run SP Multi POV Calculation

Description	Use this operation to process multi POV calculations for a selected Standard Profitability application.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2012_January_Actual/jobs/multiPovCalcScriptProcessJob/2012_January_Actual

Request Payload	{
	"layerName":"COST",
	"clearCalculatedData":"false",
	"saveScripts":"false"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksSP82/povs/2012_January_Actual/jobs/multiPovCalcScriptProcessJob/2012_January_Actual",
	"action": "POST",
	"rel": "self",
	"data": {
	"saveScripts": false,
	"layerName": "COST",
	"clearCalculatedData": false
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksSP82_BksSP82_MultiPOVCalcScripts_D20160113T054603_95e_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "BksSP82_BksSP82_MultiPOVCalcScripts_D20160113T054603_95e_1",
	"statusMessage": "IN_PROGRESS"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
layerName	Layer name for which Calculation scripts should be generated and executed. Valid Values: COST REVENUE	COST
clearCalculatedData	Boolean flag specifying whether to clear calculated values. Valid values are TRUE or FALSE.	false
saveScripts	Boolean flag specifying to save scripts generated while multi pov calculation.Valid values are TRUE or FALSE.	false

Response Values

Parameter	Description	Example

REST APIs for Detailed Profitability

36. Prepare Detailed Views for Reporting (DP)

Description	Use this operation to prepare views for a Detailed Profitability and Cost Management application.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/jobs/reportingViewGeneratorJob

Request Payload	{
	"dimensions":"Scenario_TScenario"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/jobs/reportingViewGeneratorJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"dimensions": "Scenario_TScenario"
	}
	}],
	"status": 0,
	"details": "Succesful",
	"statusMessage": "SUCCESS"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
dimensions	Specify the list of name and short name properties for dimension(s) to be included in generating the reporting views. This field is	Scenario_TScenario

	optional.	

Response Values

Parameter	Description	Example

37. Apply Bulk Edit (DP)

Description	Use this operation to perform Bulk Edit for the given source assignment rules with destination rules, or Drivers for a Detailed Profitability and Cost Management application.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDp30/povs/2012_January_Actual/jobs/applyBulkEditJob

Request Payload	{
	"operation":"ADD_DRIVERS",
	"comment":"bulk edit test",
	"sourceRules":"Apply All Building Activities,Apply Business Support Driver,Apply CoMarket",
	"drivers":"DRV Business Support",
	"isSelectEntireStageForDelete":"false",
	"isSelectAllRulesOrDriversForDelete":"false",
	"stringDelimter":"_"
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDp30/povs/2012_January_Actual/jobs/applyBulkEditJob",
	"action": "POST",
	"rel": "self",
	"data": {
	"drivers": "DRV Business Support",
	"isSelectEntireStageForDelete": false,
	"isSelectAllRulesOrDriversForDelete": false,
	"operation": "ADD_DRIVERS",
	"stringDelimter": "_",
	"sourceRules": "Apply All Building Activities,Apply Business Support Driver,Apply CoMarket",
	"comment": "bulk edit test"
	}
	}, {
	"href":
	"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/ChecktaskStatusJob/BksDP30_BksDP30_BulkEdit_D20160113T062803_8a4_1",
	"action": "GET",
	"rel": "Job status"
	}],
	"status": -1,
	"details": "BksDP30_BksDP30_BulkEdit_D20160113T062803_8a4_1",
	"statusMessage": "IN_PROGRESS"
	}

Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
Operation	Specify the Bulk Edit operation: BulkEditOperations.ADD_DRIVERS BulkEditOperations.REMOVE_DRIVERS BulkEditOperations.ADD_ASSIGNMENT_RUL	ADD_DRIVERS

	ES BulkEditOperations.REMOVE_ASSIGNMENT_RULES	
Comment	Specify a comment for this Bulk Edit Operation.	bulk edit test
sourceRules	A List of Source Assignment Rule names being selected for this Bulk Edit Operation	Apply All Building Activities,Apply Business Support Driver,Apply CoMarket
Drivers	Name of the Driver to be applied to the selected Source Assignment Rules as part of this Bulk Edit Operation. Note: Only one Driver name may be provided when using the BulkEditOperations.ADD_DRIVER operation; however, a list of Driver names can be provided when using the BulkEditOperations.REMOVE_DRIVERS operation	DRV Business Support
destinationRules	A List of Destination Assignment Rule names being selected for this Bulk Edit Operation, Note: This value should be passed only with BulkEditOperations.ADD_ASSIGNMENT_RULES and BulkEditOperations.REMOVE_ASSIGNMENT_RULES.	All to Invoice,Building to Invoice
isSelectEntireStageForDelete	Boolean flag specifying if the entire stage should be selected for delete. Valid values are TRUE or FALSE	true
isSelectAllRulesOrDriversForDelete	Boolean flag specifying if all the destination assignment rules or drivers should be selected for delete. Valid values are TRUE or FALSE.	true
stringDelimter	Delimiter used to separate logical entities in parameters For example, when passing POVs at a time, please use this to delimit POVs Eg: 2009_January_ActuaL when passing POV MEMBERS TO 2009, January , Actual This is optional field.	_

Response Values

Parameter	Description	Example

38. Get DP Driver Definitions

Description	Use this operation to list all Driver definitions for a Detailed Profitability and Cost Management application.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/getDriverD

	efinitions
Request Payload	

Response	{
	"items":]{
	"name": "OC 8 Gross Margin 210",
	"type": "Calculated Measure"
	}, {
	"name": "OC 9 Op Expense 210",
	"type": "Calculated Measure"
	}],
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/getDriverDefinitions",
	"action": "GET",
	"rel": "self"
	}],
	"status": 0,
	"details": "",
	"statusMessage": "Success"
	}

Process Type	Asynchronous

Response Values

Parameter	Description	Example

39. Run DP Calculation

Description	Use this operation to process and run calculations for a selected Detailed Profitability application.
Action Type	POST
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/povs/2012_January_Actual/jobs/detailedCalculationProcessJob/2012_January_Actual

Request Payload	{
	"comment":"This is run by user1",
	"isClearCalculated":"true",
	"isExecuteCalculations":"true",
	"isCreateContributionDetail":"true",
	"isCreateDetailCalculatedDriverTables":"false",
	"isAbortOnError":"true",
	"isRunSingleCalcRuleSequence":"true",
	"calcRuleSequence":1,
	"isTransferToSrcStgDb":"false",
	"isTransferToDstStgDb":"false",
	"isTransferToContribDb":"false",
	"postScript":"POST",
	"preScript":"PRE",
	"stringDelimter":"_"
	
	}

Response	{
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/povs/2012_January_Actual/jobs/detailedCalculationProcessJob/2012_January_Actual",
	"action": "POST",
	"rel": "self",
	"data": {
	"isExecuteCalculations": true,

```
            "isTransferToContribDb": false,
            "isTransferToSrcStgDb": false,
            "postScript": "POST",
            "calcRuleSequence": 1,
            "isRunSingleCalcRuleSequence": true,
            "isTransferToDstStgDb": false,
            "comment": "This is run by user1",
            "isAbortOnError": true,
            "stringDelimter": "_",
            "preScript": "PRE",
            "isClearCalculated": true,
            "isCreateContributionDetail": true,
            "isCreateDetailCalculatedDriverTables": false
        }
    }, {
        "href":
"http://SLC06VYA.mydomain.com:19000/profitability/rest/v1/applications/jobs/Chec
ktaskStatusJob/BksDP30_BksDP30_RunCalcs_D20160113T072425_5fc_1",
        "action": "GET",
        "rel": "Job status"
    }],
    "status": -1,
    "details": "BksDP30_BksDP30_RunCalcs_D20160113T072425_5fc_1",
    "statusMessage": "IN_PROGRESS"
}
```


Process Type	Asynchronous

Request Parameters

Parameter	Description	Example
comment	Specify a comment for this Run DP Calculation Job.	This is run by user1
isClearCalculated	Boolean flag specifying whether previously calculated values should be cleared. Valid values are TRUE or FALSE	true
isExecuteCalculations	Boolean flag specifying whether calculations should be executed as part of this operation. 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	false
isAbortOnError	Boolean flag specifying whether to abort on occurrence of any error while processing calculations. Valid values are TRUE or FALSE.	true
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	true

	calcRuleSequence	
calcRuleSequence	Valid int value (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
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
stringDelimter	Delimiter used to separate logical entities in parameters For example, when passing POVs at a time, please use this to delimit POVs, such as: 2009_January_ActuaL when passing POV MEMBERS TO 2009, January , Actual This parameter is optional.	_

Response Values

Parameter	Description	Example

40. Get Assignment Rule Definitions (DP)

Description	Use this operation to retrieve all Assignment Rule Definitions, not associations, for a particular stage for a given Detailed Profitability application.
Action Type	GET
Request URI	http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/assignmentRules?queryParameter={"stageName":"Customer Activity Cost"}
Request Payload	

Response	{
	"items": [{
	"name": "Apply Testing"
	}, {
	"name": "Apply Service Calls"
	}, {
	"name": "Apply Ship and Order Assembly"
	}, {
	"name": "Apply Business Support Driver"
	}, {
	"name": "Warehouse Sppt Act Charges All Customer No Product"
	}, {
	"name": "Apply All Building Activities"
	}],
	"type": "Profitability",
	"links": [{
	"href":
	"http://slc06vya.mydomain.com:19000/profitability/rest/v1/applications/BksDP30/assignmentRules?queryParameter=%7B%22stageName%22:%22Customer%20Activity%20Cost%22%7D",
	"action": "GET",
	"rel": "self",

	<pre>"data": {
	"stageName": "Customer Activity Cost"
	}
	}],
	"status": 0,
	"details": "",
	"statusMessage": "Success"
	}</pre>

Process Type	Synchronous

Response Values

Parameter	Description	Example

REFERENCES

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"));
                ClientConfig clientConfig = new DefaultClientConfig();
                clientConfig.getClasses().add(JsonMessageBodyReader.class);
                clientConfig.getFeatures().put(JSONConfiguration.FEATURE_POJO_MAPPING,
                Boolean.TRUE);
                Client client = Client.create(clientConfig);
         WebResource webResource =
    client.resource("http://slc04ljy.mydomain.com:19000/profitability/rest/v1/applications");
 ClientResponse response = webResource.header("Authorization", "Basic " +
auth).type("application/json").accept("application/json")..accept(MediaType.APPLICATION_JSON).get(ClientResponse.class);
         ProfitabilityRestResponse<DriverDTO> response = cr.getEntity(new
        GenericType<ProfitabilityRestResponse<DriverDTO>>() {});
                        if (cr.getStatus() >= 400) {
                           if(response.getError() != null) {
                              String message = response.getError().getMessage();
                              System.out.println(message);
                           }
                           else {
                              String message = cr.getEntity(String.class);
                              System.out.println(message);
                           }
                        } else {
                                List<DriverDTO> drivers = response.getItems();
                                if(drivers == null || drivers.isEmpty()) {
                                System.out.println("No Drivers definitions are available for the application: " +
appName);
                                return;
                           }

                           for(DriverDTO driver : drivers) {
                               System.out.println("Driver name = " + driver.getName() + ", Driver type = " +

driver.getType());
                           }
                        }
    }
```

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, copy it to 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:

     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. For example, http://slc04ssp.mydomain.com:19000: hpcm.rest.url.host=http://slc00dby.mydomain.com:19000

     HPCM REST URL version which is to be accessed. For example: v1 version=v1
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 12.2.1.4.0 locally to obtain the appropriate JAVA_HOME and MIDDLEWARE_HOME folders and their contents.
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: SET JAVA_HOME= C:\Oracle\Middleware\Oracle_Home\oracle_common\jdk

	For Linux: JAVA_HOME=/usr/c/Oracle/Middleware/Oracle_Home/oracle_common/jdk
MIDDLEWARE_HOME	Location in which Oracle Middleware home is installed. For Windows: SET MIDDLEWARE_HOME=C:\Oracle\Middleware For Linux: 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 operations specified in the sample client file to build your custom script. See "Using the Sample Client File," following.

Using the Sample Client File

The sample client file is intended as a guide only 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" earlier in this section.
2. Enter the following command: `hpm_ws_rest_client.bat - help`

   For a list of available functions, see the Table of Contents at the beginning of this document.

3. Select the operation to be performed, and enter the command in the following format:

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

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

   ```
   hpm_ws_rest_client.bat - help getPovs
   ```

   To use the sample client file to perform an operation, enter the command in the following format:

   ```
   hpm_ws_rest_client.bat <operation_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 a compiled binary file, in wsclient/lib/hpcm-wsclient-sample.jar
- As source code, in wsclient/src/oracle/epm/webservices/rest/profitability/client

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

   This folder is defined as MIDDLEWARE_HOME/oracle_common, where MIDDLEWARE_HOME is defined as follows:

   For Windows: MIDDLEWARE_HOME = C:\Oracle\Middleware

   For Linux: 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_Home\oracle_common
   ```

   Or, 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_Home\oracle_common
   ```

3. Recompile the source code.

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