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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 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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<th>Page</th>
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<td>Oracle Hyperion Profitability and Cost Management</td>
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<td>Miscellaneous Resources</td>
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<tr>
<td>REFERENCES</td>
<td>35</td>
</tr>
</tbody>
</table>

Information about client plugins and sample code can be found at the end of this document in the References section.

Manage Application Resources

Create File based HPCM Application

Use this resource to create a Management Ledger application using flat files. For more information see Appendix B of the Oracle Profitability and Cost Management Administrator's Guide, release 11.2.3.4.100 or later.

RESTFUL URL

http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/{applicationName}?description=Test&instanceName=PROFITABILITY_WEB_APP&essApplicationServer=EssbaseCluster-1&sharedServicesProject=EssbaseCluster-1&webServer={HostName}&ruleDimensionName=Value&balanceDimensionName=Value&unicode=True

Web Service API Name

processCreateFileApplication

Input Parameters

Users can run other REST services to get information needed to pass for the following input parameters. Useful REST services are “Get Essbase Applications”, “Get Essbase Application Properties”, and “Get Essbase Application Dimensions”.
- **String applicationName** – Name of the application to create
- **String description** – Description of application
- **String instanceName** – Instance name for the application
- **String essApplicationServer** – Essbase Application Server name
- **String sharedServicesProject** – Shared Services Project Name
- **String webserver** – Webserver fully qualified name
- **String ruleDimensionName** – Name for the Rule dimension
- **String balanceDimensionName** – Name for the Balance dimension
- **String Unicode** – True or False based on whether the application is Unicode or not

**Output Parameters**

@return String –

- When application is created successfully, "Application for flat file import has been created with name :: {applicationName}".
- When fails to create an application, "Application for flat file import could not be created with name :: {applicationName}".

**Resource Type**

POST

**Parameter Type:**

Path/Query parameters

**Example URL**

http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/BksML12?description=Test&instanceName=PROFITABILITY_WEB_APP&essApplicationServer=EssbaseCluster-1&sharedServicesProject=EssbaseCluster-1&webServer={HostName}&ruleDimensionName=Rule1&balanceDimensionName=Balance1&unicode=True

**Create HPCM Application using AAM**

Use this resource to create an application using the Profitability Applications Console, previously known as 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=yyy00dby.mydomain.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** – Name of the application to create
- **String description** – Description of 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 code; underscore-separated (_) dimensions for client code
- **String webserver** – Webserver fully qualified name

**Output Parameters**

@return String – String containing the Taskflow ID

**Resource Type**

POST

**Parameter Type**

Path and Query parameters

**Example URL**

http://{HostName}/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=yyy00dby.mydomain.com

**Enable File based Application**

Use this resource to enable an application created with the Profitability Application Console using flat files, as described in Appendix B of the *Oracle Hyperion Profitability and Cost Management Administrator’s Guide*, release 11.1.2.4.100 or later.

**RESTFUL URL**

http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/{applicationName}/enableApplication

**Web Service API Name**

enableFileApplication

**Input Parameters**

String applicationName – Name of the application to be enabled

**Output Parameters**

@return String – String containing the Taskflow ID

**Resource Type**

POST

**Parameter Type**

Path/Query parameters

**Example URL**

http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/BksML12/enableApplication

**Get Application Type Details**

Use this resource to list the application type for all existing Profitability and Cost Management applications. See “Output Parameters” later in this topic for information about returned type values.
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)

Resource Type
GET

Parameter Type
Path parameters

Example URL
http://yyy04ljy.mydomain.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

Resource Type
GET

Example URL
http://yyy04ljy.mydomain.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.

Resource Type
GET

Parameter Type
Query Parameters

Example URL
http://yyy04ljy.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/applicationsByType?applicationType=MANAGEMENT_LEDGER

Get Essbase Application Dimensions

Use this resource to return 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 – Name of the application for which dimensions will be returned

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://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/aamApplications/EssbaseCluster-1/LM1C?cubeName=LM1C

Get Essbase Application Properties

Use this resource to return Essbase application properties.

RESTFUL URL
http://{HostName}/profitability/rest/11.1.2.4.000/aamApplications
Web Service API Name
getApplicationProperties

Input Parameters
None.

Output Parameters
@return String – String containing application properties including essbaseAppServers, webserver, instanceNames, sharedServicesProjects

Resource Type
GET

Parameter Type
Path parameters

Example URL
http://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/aamApplications

Get Essbase Applications
Use this resource to return 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://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/aamApplications/EssbaseCluster-1

Update File based Application using a Flat File
Use this resource to upload a new dimension flat file for an application created using flat files, as described in Appendix B of the Oracle Hyperion Profitability and Cost Management Administrator’s Guide, release 11.1.2.4.100 or later.

RESTFUL URL
http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/{applicationName}/updateDimension?dataFileName="+dataFileName"

Web Service API Name
processFileApplicationUpdateDimension

Input Parameters
- String applicationName – Name of the application to update
• **String dataFileName** – Data file location path in the client computer

**Output Parameters**

@return String – True or False

**Resource Type**

POST

**Parameter Type**

Path/Query parameters

**Example URL**

http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/BksML12/updateDimension?dataFileName=C:\Temp Year.txt

**Note:** This URL cannot be invoked from the browser REST Console because file content cannot be passed from the browser.

**Export Template**

Use this resource to export Hyperion Profitability and Cost Management Management Ledger applications as flat template files for later import as new applications. If an existing file name is used, the import overwrites content in an existing file. For details, see Appendix B of the *Oracle Hyperion Profitability and Cost Management Administrator’s Guide*, release 11.1.2.4.110 or later.

**RESTFUL URL**

http://{HostName}/profitability/rest/11.1.2.4.000/fileApplications/{applicationName}/jobs/templateExportJob?FileName=Value

**Web Service API Name**

processExportTemplate

**Input Parameters**

- **String applicationName** – Name of the application to export (mandatory parameter)
- **String fileName** – Name of the template file; if not given, a default name will be used for the exported file

**Output Parameters**

@return String – String containing Task Flow ID

**Resource Type**

GET

**Parameter Type**

Path/Query parameters

**Example URL**

http://{HostName}/profitability/rest/11.1.2.4.000/applications/BksML12/jobs/templateExportJob?fileName=testFile

**Import Template**

Use this resource to import a template .zip file, which is the output of resource Export Template. The result is a new application that contains the same metadata and artifacts as the exported application. For details, see Appendix B of the *Oracle Hyperion Profitability and Cost Management Administrator’s Guide*, release 11.1.2.4.110 or later.
RESTFUL URL
http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/templateImportJob?
description=value&instanceName=Value&essApplicationServer=Value&sharedServicesProject=Value&fileName=Value&isApplicationOverwrite=true

Web Service API Name
processImportTemplate

Input Parameters
Users can run the other REST resources to get information needed to pass for the following input parameters. A useful REST resource is “Get Essbase Application Properties”.

- **String applicationName** – Name of the application to create (mandatory parameter)
- **String description** – Description of the application (mandatory parameter)
- **String instanceName** – Instance name for the application (mandatory parameter)
- **String essApplicationServer** – Essbase Application Server name (mandatory parameter)
- **String sharedServicesProject** - Shared Services Project Name (mandatory parameter)
- **String fileName** - Name of the zip file already present in the export_import location (mandatory parameter)
- **Boolean isApplicationOverwrite** – If value is true then it deletes an existing application and then creates a new application; if false then it returns a message that the application already exists (optional parameter)

Output Parameters
@return String – String containing Task Flow ID

Resource Type
POST

Parameter Type
Path/Query parameters

Example URL
http://{HostName}/profitability/rest/11.1.2.4.000/applications/BksML12/jobs/templateImportJob?description=value&instanceName=Value&essApplicationServer=Value&sharedServicesProject=Value&fileName=testFile&isApplicationOverwrite=true

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.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
</table>


### Output Parameters

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

**Note:** You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

### Resource Type

POST

### Parameter Type

Path and Query parameters

### Example URL

http://yyy06vya.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/clearASOCube?layerName=COST

### Essbase Data Load

Use this convenient resource to load data into Essbase without using Oracle Essbase Administration Services console. You can load one data or optional rule file at a time, as described in Chapter 25 of the Oracle Hyperion Profitability and Cost Management User’s Guide, release 11.1.2.4.100 or later.

### RESTFUL URL

http://{HostName}/profitability/rest/11.1.2.4.000/applications/{applicationName}/jobs/essbaseDataLoadJob?clearAllDataFlag=true&dataLoadValue=OVERWRITE_EXISTING_VALUES&dataFileName=Value&rulesFileName=Value

### Web Service API Name

EssbaseDataLoad

### Input Parameters

- **String applicationName** – Name of the Profitability and Cost Management application for which the data is being loaded
- **String clearAllDataFlag** – True/False; all the data in the active cube of application from which it is invoked will be cleared
- **String dataLoadValue** – The wildcard data file will overwrite the existing values. Allowed values are: OVERWRITE_EXISTING_VALUES
  ADD_EXISTING_VALUES
- **String dataFileName** – Name of data file to be uploaded
- **String ruleFileName** – Name of rule file to be uploaded

### Output Parameters

None

### Resource Type

POST
**Parameter Type**
Path, Query & MultiPart parameters

**Example URL**
http://slc04ljy.us.oracle.com:19000/profitability/rest/11.1.2.4.000/applications/MLBks1/jobs/essbaseDataLoadJob?clearAllDataFlag=true&dataLoadValue=OVERWRITEEXISTINGVALUES&dataFileName=Value&rulesFileName=Value

**Example Command**
**With Rule File:**
```
hpm_ws_rest_client processEssbaseloadData appName dataRuleFilesDirectory dataFileName clearAllDataFlag  dataLoadValue rulesFileName
```
```
hpm_ws_rest_client processEssbaseloadData BksML12 C:\Temp CCStat.txt true OVERWRITEEXISTINGVALUES CCStat.rul
```
**Without Rule File:**
```
hpm_ws_rest_client processEssbaseloadData appName dataRuleFilesDirectory dataFileName clearAllDataFlag  dataLoadValue
```
```
hpm_ws_rest_client processEssbaseloadData BksML12 C:\Temp CCStat.txt true OVERWRITEEXISTINGVALUES
```

**Note:** This URL cannot be invoked from browser REST Console due to additional information needed along with each file in the parameters.

**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**

*applicationName* - Name of the Management Ledger application for which the cube is to be deployed.

**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://yyy04ljy.mydomain.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 Standard Profitability application to deploy.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>cubeType</td>
<td>Valid values: CALCULATION_CUBE, REPORTING_CUBE</td>
<td>CALCULATION_CUBE</td>
</tr>
<tr>
<td>isFirstTimeDeployment</td>
<td>Boolean flag specifying whether the cube is being deployed for the first time for this application. Valid values are TRUE or FALSE.</td>
<td>FALSE</td>
</tr>
<tr>
<td>isUpdateDatabase</td>
<td>Boolean flag specifying whether the database should be updated. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>isReplaceDatabase</td>
<td>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</td>
<td>FALSE</td>
</tr>
<tr>
<td>isarchiveDataBeforeDeploy</td>
<td>Boolean flag specifying whether the data should be archived before deployment begins. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>isArchiveDataAndReloadAfterDeploy</td>
<td>Boolean flag specifying whether the data archived before deployment should be reloaded after deployment completes. Valid values are TRUE or FALSE.</td>
<td>FALSE</td>
</tr>
</tbody>
</table>
### Output Parameters

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

**Note:** You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

**Resource Type**

POST

**Parameter Type**

Path and Query parameters

**Example URL**

http://yyyy06yva.mydomain.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=Value

**Web Service API Name**

clearPOVData

**Input Parameters**

- **applicationName** - Name of the Profitability and Cost Management application.

  **ClearPOVDTO** - POV clear options.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>clearAssignmentRuleSelections</td>
<td>Boolean flag specifying whether Assignment Rule Selections should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>clearCalculationRules</td>
<td>Boolean flag specifying whether Calculation Rules should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>clearCostLayer</td>
<td>Boolean flag specifying whether Cost</td>
<td>TRUE</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Example</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>clearDriverSelectionExceptions</td>
<td>Boolean flag specifying whether Driver Selection Exceptions should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>clearDriverSelectionRules</td>
<td>Boolean flag specifying whether Driver Selection Rules should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>clearRegularAssignments</td>
<td>Boolean flag specifying whether Regular Assignments should be cleared. Valid values are TRUE or FALSE</td>
<td>TRUE</td>
</tr>
<tr>
<td>clearRevenueLayer</td>
<td>Boolean flag specifying whether Revenue Layers should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>povGrp</td>
<td>Specify dimension member names of the POV for which this clear POV data resource should be applied: povDimensionMember1 povDimensionMember2 povDimensionMember3 povDimensionMember4</td>
<td>povDimensionMember1 = 2012 povDimensionMember2 = January povDimensionMember3 = Actual</td>
</tr>
<tr>
<td>stages</td>
<td>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)</td>
<td>Ledger Data</td>
</tr>
</tbody>
</table>

**Output Parameters**
None.

**Resource Type**
POST
Parameter Type
Path and Query parameters

Example URL
http://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2010_January_Actual/jobs/clearSpDpPOVJob?stages=Ledger
Data_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://yyy04ljy.mydomain.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 RESTFUL 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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
</table>
| 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 the “Get Task Status by Process Name” resource to get the status of this CES task ID.
Resource Type
POST

Parameter Type
Path and Query parameters

Example URL
http://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2010_February_Actual/jobs/copySpDpPOVJob/2012_February_Actual?copyCostLayerData=true&copyRevenueLayerData=true&copyAssignments=true&copyDriverAssociations=true&copyDriverValues=true&copyCostRevenueValues=true&copyCalculationRules=false

- String **applicationName** - Name of the Profitability and Cost Management application from which the POV is to be deleted.
- String **povMemberGroup** - povDimensionMember1_ povDimensionMember2_ povDimensionMember3_ povDimensionMember4

Description

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>povDimensionMember1</td>
<td>POV Dimension Member Name at Position 1</td>
<td>2012</td>
</tr>
<tr>
<td>povDimensionMember2</td>
<td>POV Dimension Member Name at Position 2</td>
<td>January</td>
</tr>
<tr>
<td>povDimensionMember3</td>
<td>POV Dimension Member Name at Position 3</td>
<td>Actual</td>
</tr>
<tr>
<td>povDimensionMember4</td>
<td>POV Dimension Member Name at Position 4</td>
<td>Plan</td>
</tr>
</tbody>
</table>

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://yyy04ljy.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/MLBksS/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://yyy04ljy.mydomain.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://yyy06vya.mydomain.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://yyy06vya.mydomain.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 Standard or Detailed Profitability application name. This resource returns name and display order of a stage by using the following rest URL.

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 Standard or Detailed Profitability application for which stage details will 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://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/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&lt;RulesetDTO&gt; - List of RulesetDTOs matching the above input parameters.

Resource Type
GET

Parameter Type
Path and Query parameters

Example URL
http://yyy0dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/stages

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 Manage 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&isAbort=false
**OnError**=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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>isClearCalculated</td>
<td>Boolean flag specifying whether previously calculated values should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>isExecuteCalculations</td>
<td>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</td>
<td>TRUE</td>
</tr>
<tr>
<td>isCreateContributionDetail</td>
<td>Boolean flag specifying contribution detail should be created. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>isCreateDetailCalculatedDriverTables</td>
<td>Boolean flag specifying whether previously calculated values should be cleared. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>isAbortOnError</td>
<td>Boolean flag specifying whether to abort on occurrence of any error while processing calculations. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>dataPOVMemberGroup</td>
<td>List of POV Dimension Member Group details that should be considered for Data POV when calculating.</td>
<td>2012_January_Actual</td>
</tr>
<tr>
<td>modelPOVMemberGroup</td>
<td>Model POV dimension member group details when performing calculations.</td>
<td>2012_January_Actual</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Examples</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| 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    |
| 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 the "Get Task Status by Process Name" resource to get the status of this CES task ID.
```

**Resource Type**

POST

**Parameter Type**

Path and Query parameters

**Example URL**

http://yyy06vya.mydomain.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 Management Ledger application to calculate.
- LedgerCalculationOptionsDTO ledgerCalculationOptions.

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

Parameter Type
Path and Query parameters

Example URL
http://yyy04ljy.mydomain.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 Manage Calculation tab of the application:

Clear All
Clear Calculated
Generate
Calculate
Transfer data after calculation.

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.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>povMemberGroups</td>
<td>POV information for which Calculation Script generation and execution should be performed.</td>
<td>2011_January_Actual</td>
</tr>
<tr>
<td>layerName</td>
<td>Layer name for which Calculation scripts should be generated and executed. Valid Values: COST, REVENUE</td>
<td>COST</td>
</tr>
<tr>
<td>clearCalculatedStageList</td>
<td>List of stage names for which generated calc scripts need to be cleared.</td>
<td>Ledger Data, Activity</td>
</tr>
<tr>
<td>clearAllStageList</td>
<td>List of stage names for which all information must be cleared.</td>
<td>Ledger Data, Activity</td>
</tr>
<tr>
<td>generateStageList</td>
<td>List of stage names for which calc scripts need to be generated</td>
<td>Ledger Data, Activity</td>
</tr>
<tr>
<td>calculateStageList</td>
<td>List of stage names for which calc scripts should be executed</td>
<td>Ledger Data, Activity</td>
</tr>
<tr>
<td>isTransferData</td>
<td>Boolean flag specifying whether a data transfer need to be performed. Valid values are TRUE or FALSE.</td>
<td>FALSE</td>
</tr>
</tbody>
</table>

## Output Parameters

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

**Note:** You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

## Resource Type

POST

## Parameter Type

Path and Query parameters

## Example URL

http://yyy06vya.mydomain.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://yyy06vya.mydomain.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://yyy06vyा.mydomain.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/geneologyExecutionPathProcessJob?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.

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

Output Parameters

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

Note: You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

Resource Type

GET

Parameter Type

Path and Query parameters

Example URL

http://yyy06vyा.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/geneologyExecutionPathProcessJob?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/geneologyExecutionPathWithoutASOCubeClearProcessJob?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.

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

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

Note: You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

Resource Type
GET

Parameter Type
Path and Query parameters

Example URL
http://yyy06vya.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/povs/2011_January_Actual/jobs/geneologyExecutionPathWithoutASOCubeClearProcessJob?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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>layerName</strong></td>
<td>Layer name for which Calculation scripts should be generated and executed. Valid Values:</td>
<td>COST</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>REVENUE</strong></td>
</tr>
<tr>
<td>clearCalculatedData</td>
<td>Boolean flag specifying whether to clear calculated values. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
<tr>
<td>saveScripts</td>
<td>Boolean flag specifying to save scripts generated while multi pov calculation. Valid values are TRUE or FALSE.</td>
<td>TRUE</td>
</tr>
</tbody>
</table>

### Output Parameters

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

**Note**: You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

**Resource Type**

GET

**Parameter Type**

Path and Query parameters

**Example URL**

http://yyy06vya.mydomain.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 application. Invoke this resource with the following RESTFUL URL.

**Note**: This resource is valid for DP applications. Dimensions are optional. If dimensions are not specified, they are picked up at application level and processed.

**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 application level**:

http://yyy00db.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/reportingViewGeneratorJob

**For single dimension**:

http://yyy00db.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/reportingViewGeneratorJob?dimensions=Scenario_TScenario

**For multiple dimensions**:

http://yyy00db.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/reportingViewGeneratorJob?dimensions=Accounts_TACC,Scenario_TScenario

**LCM Resources**

**Import from Staging (SP, DP)**

Use this resource to execute the selected import configuration into a Standard or Detailed Profitability application. Invoke this resource with the following RESTFUL URL.

**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://yyy00db.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksSP82/jobs/importConfigJob?importConfigName=Import_Config_Test
http://yyy00dby.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/BksDP30/jobs/importConfigJob?importConfigName=DP_import_configt_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 Detailed Profitability 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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>sourceRules</td>
<td>A List of Source Assignment Rule names being selected for this Bulk Edit Resource</td>
<td>Apply All Building Activities</td>
</tr>
</tbody>
</table>
| 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                                            |                                              |


<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>povGrp</td>
<td>Specify dimension members names for the POV for which this Bulk Edit resource is to be applied:</td>
<td>povDimensionMember1 = 2012&lt;br&gt;povDimensionMember2 = January&lt;br&gt;povDimensionMember3 = Actual</td>
</tr>
<tr>
<td></td>
<td>povDimensionMember1&lt;br&gt;povDimensionMember2&lt;br&gt;povDimensionMember3&lt;br&gt;povDimensionMember4</td>
<td></td>
</tr>
<tr>
<td>selectAllRulesOrDriversForDelete</td>
<td>Boolean flag specifying if all the destination assignment rules or drivers should be selected for delete. Valid values are TRUE or FALSE.</td>
<td>FALSE</td>
</tr>
<tr>
<td>selectEntireStageForDelete</td>
<td>Boolean flag specifying if the entire stage should be selected for delete. Valid values are TRUE or FALSE.</td>
<td>FALSE</td>
</tr>
<tr>
<td>Comment</td>
<td>Specify a comment for this Bulk Edit Resource.</td>
<td>“Bulk Edit Resource to Add Drivers”</td>
</tr>
</tbody>
</table>

**Output Parameters**

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

**Note:** You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

**Resource Type**

POST

**Parameter Type**

Path and Query parameters

**Example URL**

**Add Drivers:**

http://yyy00dby.mydomain.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://yyy00dby.mydomain.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://yyy00dby.mydomain.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://yyy00dby.mydomain.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 Job 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://yyy04ljy.mydomain.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 for 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.
Resource Type
GET

Parameter Type
Query Parameters

Example URL
http://yyy04ljy.mydomain.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

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

**Note:** You can use the “Get Task Status by Process Name” resource to get the status of this CES task ID.

**Resource Type**
POST

**Parameter Type**
Path parameters

**Example URL**
http://yyy00dby.mydomain.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://yyy04ljy.mydomain.com:19000/profitability/rest/11.1.2.4.000/applications/jobs/ChecktaskStatusJob/MLBks1_CopyMLPOV_D20141014T071124_a5e
REFERENCES

REST Client Plugins
Mozilla:

Chrome:
https://chrome.google.com/webstore/detail/rest-console/cokgbffommojgllbmbpenpphppikmonn?hl=en

Sample Code for Authentication

```java
package oracle.epm.webservices.profitability.util;
import com.sun.jersey.api.client.Client;
import com.sun.jersey.api.client.ClientResponse;
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://yyy04ljy.mydomain.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 computer on which Oracle Hyperion Enterprise Performance Management Workspace is installed, copy the folder `%EPM_ORACLE_HOME%/products/Profitability/samples/wsclient` to the computer 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 (**Note:** These are all described in the properties file.):
   - Delimiter used to separate String literals in parameters (for example: `string.delimiter=_`).
   - Delimiter used to separate logical entities in parameters (for example, when passing multiple POVs at one time). For example, the following expression defines the delimiter as `#`:
     ```
     string.logical.delimiter=#, used as follows: 2009_January_Actual#2009_March_Actual.
     ```
   - SecurityPolicy associated with ProfitabilityService, that needs to be used by the Sample Client. For the sample client, this is `USERNAME_TOKEN` (for example, `hpcm.service.security.policy=USERNAME_TOKEN`).
   - These next two values are needed for the security policy `USERNAME_TOKEN`:
     - HSS user name for the Profitability user (for example, `hss.username=admin`).
     - Password for the username above (for example, `hss.password=password123`).
   - These next two values are needed for RESTFUL Web Service URL purposes:
     - HPCM REST URL which is to be accessed (for example, `hpcm.rest.url.host=http://yyy00dby.mydomain.com:19000`).
     - HPCM REST URL version which is to be accessed (for example, `version=11.1.2.4.000`).

4. **Optional:** If you are not running on the same computer 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**

<table>
<thead>
<tr>
<th>Environment Variable</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAVA_HOME</td>
<td>Location in which Java Development Kit is available:</td>
</tr>
<tr>
<td></td>
<td>For Windows, enter <code>SET JAVA_HOME=C:/Oracle/Middleware/jdk160_29</code></td>
</tr>
<tr>
<td></td>
<td>For UNIX, enter <code>export JAVA_HOME=/usr/c/Oracle/Middleware/jdk160_29</code></td>
</tr>
<tr>
<td>MIDDLEWARE_HOME</td>
<td>Location in which Oracle Middleware home is installed:</td>
</tr>
<tr>
<td></td>
<td>For Windows, enter <code>SET MIDDLEWARE_HOME=C:/Oracle/Middleware</code></td>
</tr>
<tr>
<td></td>
<td>For UNIX, enter <code>export MIDDLEWARE_HOME=/usr/c/Oracle/Middleware</code></td>
</tr>
</tbody>
</table>

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 37.

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 were 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 “Using the Profitability and Cost Management Sample
REST Client File” on page 35.
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 a task, 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.