

Report Service

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Functions

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Note: all code examples here are **pseudocode**. The actual code you will need to use will differ from environment to environment. The examples here are purely meant as a guide.

The PDF request runs a specified report and returns it in PDF form. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("PDF");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
ReportName	String	Name of the specified report	getReportName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
FormatCode	String	Format code of the specified report	getFormatCode()
BinaryData	String	Base64 encoded binary chunk of PDF	getBinaryData()
ContentType	String	MIME Content Type of this object. Value will be "application/pdf"	getContentType()

The CSV request runs a specified report and returns it in CSV form. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("CSV");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
ReportName	String	Name of the specified report	getReportName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
FormatCode	String	Format code of the specified report	getFormatCode()
BinaryData	String	Base64 encoded binary chunk of CSV	getBinaryData()
ContentType	String	MIME Content Type of this object. Value will be "text/comma-separated-values"	getContentType()

The XLS request runs a specified report and returns it in XLS form. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("XLS");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
ReportName	String	Name of the specified report	getReportName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
FormatCode	String	Format code of the specified report	getFormatCode()
BinaryData	String	Base64 encoded binary chunk of XLS	getBinaryData()
ContentType	String	MIME Content Type of this object. Value will be "application/xls"	getContentType()

The TEXT request runs a specified report and returns it in TEXT form. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("TEXT");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
ReportName	String	Name of the specified report	getReportName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
FormatCode	String	Format code of the specified report	getFormatCode()
BinaryData	String	Base64 encoded binary chunk of XLS	getBinaryData()
ContentType	String	MIME Content Type of this object. Value will be "text/tab-separated-values"	getContentType()

The RTF request runs a specified report and returns it in RTF form. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("RTF");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
ReportName	String	Name of the specified report	getReportName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
FormatCode	String	Format code of the specified report	getFormatCode()
BinaryData	String	Base64 encoded binary chunk of XLS	getBinaryData()
ContentType	String	MIME Content Type of this object. Value will be "application/rtf"	getContentType()

The DOC request runs a specified report and returns it in DOC form. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("DOC");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
ReportName	String	Name of the specified report	getReportName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
FormatCode	String	Format code of the specified report	getFormatCode()
BinaryData	String	Base64 encoded binary chunk of XLS	getBinaryData()
ContentType	String	MIME Content Type of this object. Value will be "application/vnd.ms-word"	getContentType()

The SCHEMA request returns schematic information of the specified report, which includes metadata for report columns and filters as well. The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("SCHEMA");
rsr.setReportId(12345);
// This is the report's web service name. If ReportId is set, this is not needed
rsr.setObjectName("MYREPORT");

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the specified report	getReportId()
StatusCode	String	Status of the web service request	getStatusCode()
FormatCode	String	Format code of the specified report	getFormatCode()

ReportType	String	Report type of the specified report	getReportType()
LastRunStatus	String	Status code of last report run	getLastRunStatus()
LastRunTime	Decimal	Last report run time in the format of YYYYMMDDHHMMSS	getLastRunTime()
ReportName	String	Name of the specified report	getReportName()
BinaryData	String	Base64 encoded binary chunk of image, HTML, CSV, or PDF	getBinaryData()
ViewName	String	Name of view that the report depends on	getViewName()
HitCount	Integer	Number of times the specified report has been accessed	getHitCount()
DrillCode	String	Drill type if available on the report	getDrillCode()
Private		Determines if the report is a private or a public one	getPrivate()
Results	Array (ReportRow)	Array of ReportRow objects that contain results in the report result set (see ReportRow)	getResults()
ContentType	String	MIME ContentType of the returned object. Possible values include: • "text/html" • "text/comma-separated-values" • "image/png" • "application/pdf"	getContentType()
Messages	Array (String)	Array of Strings that show debug information as the report is run on the server. Used for debugging and tracing errors	getMessages()
Charts	Array (ReportChart)	Array of ReportChart objects that contains multiple chart bitmaps when attached to a HTML report response (see ReportChart)	getCharts()
Columns	Array (ReportSchema)	Array of ReportSchema objects that contain information on each column in the report result set, and whether the report requires user prompt filter data to be passed to it (see ReportSchema)	getColumns()

The HTML request will return a HTML representation of the report. The HTML document will be Base64 encoded, with the charts/images being stored in the Charts array field. These artefacts will need to be manually decoded by the client system, and the URL request string is used to embed the URL within the HTML for decoding the Base64 images.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("HTML");
rsr.setReportId(12345);
// This is the report's web service name. If ReportId is set, this is not needed
rsr.setObjectName("MYREPORT");

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
Chart	Array (ReportChart)	Array of ReportChart objects that contains multiple chart bitmaps when attached to a HTML report response (see ReportChart)	getCharts()
ReportBinaryObject	Array (ReportBinaryObject)	Array of ReportBinaryObject objects that contain BLOBs and CLOBs (see ReportBinaryObject)	getBinaryObjects()
ReportStyles	String	CSS styles	getReportStyles()
Breadcrumbs	Array (Breadcrumb)	Array of Breadcrumb objects	getBreadcrumbs()

SeriesSelection	Array (SeriesSelection)	Array of SeriesSelection objects	getSeriesSelections()
TimeAggregationSelection	Array (TimeAggregationSelection)	Array of TimeAggregationSelection objects	getTimeAggregationSelection()
ReportTabSelection	Array (ReportTabSelection)	Array of ReportTabSelection objects	getReportTabSelection()
ReportPageSelection	Array (ReportPageSelection)	Array of ReportPageSelection objects	getReportPageSelection()
TimeSliderSelection	Array (TimeSliderSelection)	Array of TimeSliderSelection objects	getTimeSliderSelection()
SortableColumns	Array (SortableTableColumn)	Array of SortableTableColumn objects	getSortableColumns()
SelectedSortColumn	Integer	Column used for sorting. The index here applies to the column index within the report	getSelectedSortColumn()
SelectedSortOrder	Integer	The sort order of the column used for sorting (0 for ascending and 1 for descending)	getSelectedSortOrder()
DrillCode	String	Drill type if available on the report	getDrillCode()
RelatedReports	Array (RelatedReport)	Array of RelatedReport objects. These are reports that are tabbed/codisplayed to the main report	getRelatedReports()
BinaryData	String	Base64 encoded binary chunk of the HTML document	getBinaryData()
Private		Determines if the report is a private or a public one	getPrivate()
ContentType	String	MIME ContentType of the returned object. Value will be "text/html"	getContentType()
CanDrill	Boolean	If the report is able to drill or not	getCanDrill()
GoogleMaps	Array (GMap)	Array of GMap objects	getGoogleMaps()

The FILTEROPTIONS request will return the filter values available for a particular report's filter.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("FILTEROPTIONS");
// This is the Report ID
rsr.setReportId(12345);
// This is the Filter ID
rsr.setObjectName("11111");

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
Results	Array (ReportRow)	Array of ReportRow objects that contain filter values (see ReportRow)	getResults()

The RESULTSET request will return the result data set for a particular report. This result will be stored in an array of ReportRow objects, with each ReportRow object representing a row in the report data set. The ReportRow object will also consist of an array of strings that represents the data in each column in the data set.

It is up to the web services client to convert this data from the string representation into the data type for each particular column. The data types for each column can be obtained with the SCHEMA request function call.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("RESULTSET");
// This is the Report ID
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
Results	Array (ReportRow)	Array of ReportRow objects that contain results in the report result set (see ReportRow)	getResults()

The EXPIRESESSION request will cause a specified Yellowfin session to expire.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("EXPIRESESSION");
// This is the Session ID
rsr.setSessionId("5361781d-c3aa-4c97-bc13-883210ff8a6e");

rs = ReportService.remoteReportCall(rsr);
```

The GETCOMMENTS request will retrieve all comments for a particular report.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("GETCOMMENTS");
// This is the Report ID
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
Comments	Array (ReportComment)	Array of ReportComment objects that contain the report's comments (see ReportComment)	getComments()

The LEAVECOMMENT request will create a comment/response to a comment in a particular report.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
ReportComment comment = new ReportComment();

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("LEAVECOMMENT");

comment.setComment("This is my comment");
comment.setAuthorId(5);
// If this is a response to a comment, then specify the parent comment ID
comment.setParentCommentId(702);
rsr.setReportComment(comment);

rs = ReportService.remoteReportCall(rsr);

```

The DELETECOMMENT request will delete the particular comment from a report.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
ReportComment comment = new ReportComment();

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("DELETECOMMENT");

comment.setCommentId(702);
rsr.setReportComment(comment);

rs = ReportService.remoteReportCall(rsr);

```

The COMMENTSTATUS request will set the status of a particular comment.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
ReportComment comment = new ReportComment();

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("COMMENTSTATUS");

comment.setCommentId(702);
// The available status codes are OPEN, RESOLVED, or DELETED
comment.setStatusCode("OPEN");
rsr.setReportComment(comment);

rs = ReportService.remoteReportCall(rsr);

```

The DISTRIBUTEINBOX request will distribute a report to the inboxes of a list of recipients.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
// Specify the Person ID values for your list of recipients
String[] reportoptions = { "11111", "5", "10101"};

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("DISTRIBUTEINBOX");
rsr.setReportOptions(reportoptions);
rsr.setReportId(12345);
// This is an optional distribution text for all recipients
rsr.setDistributionText("A message for recipients");

rs = ReportService.remoteReportCall(rsr);

```

The GETDISPLAYEDREPORTID request will return the report ID of the currently displayed report.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("GETDISPLAYEDREPORTID");

rs = ReportService.remoteReportCall(rsr);

```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
DisplayedReportId	Integer	Report ID of the currently displayed report	getDisplayReportId()

The GETKPI request will return you the KPI object for a particular KPI report. This function request is usually utilised within the mobile application.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("GETKPI");
rsr.setReportId(12345);

rs = ReportService.remoteReportCall(rsr);

```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
KPI	KPI object	This is a custom KPI object which holds the actual, target, and variance values for a particular KPI metric (see KPI)	getKPI()

The GETDRILLANYWHEREMENU request will return you the Drill Anywhere menu that is available for the selected report column. This function request is usually utilized within the mobile application.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("GETDRILLANYWHEREMENU");
rsr.setReportId(12345);
// This is an integer field which is the Field ID of the selected column
rsr.setDrillAnywhereFieldId(3);
// This is the actual value of the column
rsr.setDrillAnywhereCellValue("5000");

rs = ReportService.remoteReportCall(rsr);

```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
DrillAnywhereCategories	Array (String)	Array of Strings	getDrillAnywhereCategories()
DrillAnywhereTargets	Array (DrillAnywhereTarget)	Array of DrillAnywhereTarget objects that lists the drill anywhere targets for a drill anywhere category (see DrillAnywhereTarget)	getDrillAnywhereTargets()

The SUBSCRIBEDetails request will return the schedule record for a particular report.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
ScheduleRecord sr = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("SUBSCRIBEDetails");
rsr.setReportId(12345);
// This is the ID of the user to be subscribed
rsr.setReportUserId(19090);

rs = ReportService.remoteReportCall(rsr);
sr = rs.getSchedule();

```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ScheduleRecord	ScheduleRecord object	ScheduleRecord object which contains subscription details and conditions (see ScheduleRecord)	getSchedule()

The SUBSCRIBE request will create/modify a subscription to a specified report for a specified user. This function request is usually called after SUBSCRIBEDetails to retrieve a current subscription first, otherwise a ScheduleRecord object must be created and populated appropriately (refer to [ScheduleRecord](#)) for this function call.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
// Either retrieve a current ScheduleRecord beforehand or create a new one. A new one is created in this example
ScheduleRecord sr = new ScheduleRecord();

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("SUBSCRIBE");
rsr.setReportId(12345);
// This is the ID of the user to be subscribed
rsr.setReportUserId(19090);

// Refer to the ScheduleRecord schema definition for all possible variables
sr.setRecipient(19090);
sr.setFormat("PDF");
sr.setSubject("Athlete Analysis");
sr.setBodyText("Pay attention to the data in October");
sr.setFrequencyTypeCode("FORTNIGHTLY");
sr.setFrequencyCode("ONE");
sr.setFrequencyUnit(1);
sr.setAdvancedTimezoneCode("AUSTRALIA/SYDNEY");
// total of seconds from 12am - the example below is set for 5.30pm
sr.setAdvancedTime(63000);

rs = ReportService.remoteReportCall(rsr);

```

The UNSUBSCRIBE request will unsubscribe a specified user from a specified report.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("UNSUBSCRIBE");
rsr.setReportId(12345);
// This is the ID of the user to be subscribed
rsr.setReportUserId(19090);

rs = ReportService.remoteReportCall(rsr);

```

The LOADDASHBOARD TAB request will load a specified dashboard tab and its metadata.

The following code will accomplish this:

```

ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
DashboardDefinition dd = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("LOADDASHBOARD TAB");
// This is the ID of the dashboard tab
rsr.setDashboardTabId(11111);

rs = ReportService.remoteReportCall(rsr);
dd = rs.getDashboard();

```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
DashboardDefinition	DashboardDefinition object	DashboardDefinition object which contains dashboard tab metadata (see DashboardDefinition)	getDashboard()

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
DashboardFilter[] dfarray = null;
DashboardFilter df = new DashboardFilter();

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("APPLYDASHBOARDFILTERS");
// This is the ID of the dashboard tab
rsr.setDashboardTabId(11111);

df.setTabId(11111);
df.setReportId(12121);
df.setFilterId(33333);
df.setFilterType("BETWEEN");
df.setFilterValue("120|150");
dfarray[0] = df;
rsr.setDashboardFilters(dfarray);

rs = ReportService.remoteReportCall(rsr);
```

The GETDASHBOARDREPORTFILTERVALUES request will return filter metadata for a particular report on a dashboard tab.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;
ReportFilter[] rf = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("GETDASHBOARDREPORTFILTERVALUES");
// This is the ID of the dashboard tab
rsr.setDashboardTabId(11111);
rsr.setReportId(22222);

rs = ReportService.remoteReportCall(rsr);
rf = rs.getReportFilters();
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
ReportFilters	Array (ReportFilter)	Array of Filter objects containing metadata for each filter (see ReportFilter)	getReportFilters()

The RUNDASHBOARDREPORT request will run and export a specified report on a dashboard tab. The response will include Base64 encoded generated html, including charts, GIS maps, and CSS styles.

The following code will accomplish this:

```
ReportServiceRequest rsr = new ReportServiceRequest();
ReportServiceResponse rs = null;

rsr.setLoginId(this.username);
rsr.setPassword(this.password);
// This is the primary organization
rsr.setOrgId(new Integer(1));
rsr.setReportRequest("RUNDASHBOARDREPORT");
// This is the ID of the dashboard tab
rsr.setDashboardTabId(11111);
rsr.setReportId(22222);

rs = ReportService.remoteReportCall(rsr);
```

The returned ReportServiceResponse object consists of:

Response Element	Data Type	Description	Retrieval Code
BinaryData	String	Base64 encoded binary chunk of HTML	getBinaryData()
Charts	Array (ReportChart)	Array of ReportChart objects (see ReportChart)	getCharts()
ReportStyle	String	CSS styles	GetReportStyle()
Breadcrumbs	Array (Breadcrumb)	Array of Breadcrumb objects	getBreadcrumbs()
GoogleMaps	Array (GMap)	Array of GoogleMaps objects if the report's chart uses it	getGoogleMaps()
GisMap	Array (GISMap)	Array of GISMap objects if the report's chart uses it	getGisMap()

Object Definitions

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ReportComment Element	Data Type	Description	Retrieval Code
CommentId	Integer	ID of comment	getCommentId()
AuthorId	Integer	ID of comment author	getAuthorId()
Comment	String	Comment value	getComment()
ReportId	Integer	Report ID of which the comment resides on	getReportId()
ParentCommentId	Integer	Main ID of comment it is connected to. This applies if the particular comment is a reply to a parent comment	getParentCommentId()
StatusCode	String	Comment status	getStatusCode()
CommentDate	DateTime	Date and time value for comment creation	getCommentDate()
LastActivityDate	DateTime	Date and time value for the most current update to that particular comment	getLastActivityDate()

ReportRow Element	Data Type	Description	Retrieval Code
DataValue	Array (String)	Array of Strings with data for each column in the report result set	getDataValue()

ReportChart Element	Data Type	Description	Retrieval Code
ReportIndex	Integer	Index of image in the embedded delivered HTML	getReportIndex()
Content Type	String	MIME Content Type of this chart. Possible values include: "image/png" "image/jpg"	getContentType()
Data	String	Base64 binary image data	getData()
Filename	String	Filename of embedded file in HTML	getFilename()

ReportSchema Element	Data Type	Description	Retrieval Code
ColumnName	String	Column Name	getColumnName()
DisplayName	String	Display name of column	getDisplayName()
FieldId	Integer	Field Id of column	getFieldId()
DataType	String	Data type of column	getDataType()
ColumnLength	String	Column length	getColumnLength()
Hidden	Boolean	Whether the column is displayed in the report or not	getHidden()
Prompt	Boolean	Whether the column is a prompt field or not	getPrompt()
FilterId	Integer	Filter Id if the column is a filter	getFilterId()
FilterType	String	Determines the filter type and what data would have to be posted to engage the prompt	getFilterType()
AllowPrompt	Boolean		getAllowPrompt()
FilterOmittable	Boolean		getFilterOmittable()
ParentFilterId	Integer	Filter Id of parent filter if a filter dependency is in place	getParentId()
DefaultValue1		First default value for filter if set	getDefaultValue1()
DefaultValue2		Second default value for filter if set	getDefaultValue2()
ValueUnitCode		Time units for the filter if set	getValueUnitCode()
FilterDisplayType		Filter Display Type if the column is a filter	getFilterDisplayType()
MinimumValue		Minimum value for filter if set	getMinimumValue()
MaximumValue		Maximum value for filter if set	getMaximumValue()

ReportBinaryObject Element	Data Type	Description	Retrieval Code
ContentType	String	MIME Content Type	getContentType()
Data	String	Base64 binary data	getData()
Key	String	Key of the ReportBinaryObject object	getKey()

KPI Element	Data Type	Description	Retrieval Code
Actual	String	The actual value for a KPI metric	getActual()
Target	String	The target value for a KPI metric	getTarget()
Variance	String	The variance value for a KPI metric	getVariance()

DrillAnywhereTarget Element	Data Type	Description	Retrieval Code
ParentCategory	String	Parent Category value	getParentCategory()
Targets	Array (String)	Array of String values which are the targets for a particular parent category	getTargets()

ScheduleRecord Element	Data Type	Description	Retrieval Code
Recipient	Integer	ID of recipient of the subscription	getRecipient()
Subject	String	Subscription subject	getSubject()
BodyText	String	Subscription message	getBodyText()
FrequencyTypeCode	String	Subscription frequency. Values include: - MINUTES - DAILY - WEEKLY - FORTNIGHTLY - MONTHLY - QUARTERLY - BIANNUAL - ANNUAL - ENDOFMONTH	getFrequencyTypeCode()

FrequencyCode	String	Additional frequency codes depending on the frequency type code	getFrequencyCode()
FrequencyUnit	String	Additional frequency units depending on the frequency type code	getFrequencyCode()
Format	String	Subscription File Type. Values include: • PDF • HTML • CSV • DOC • XLS • RTF	getFormat()
ConditionList	Array (Condition)	Array of Condition objects that store delivery rules (see Condition)	getConditionList()
AdvancedTimezoneCode	String	Timezone in which the subscription happens	getAdvancedTimezoneCode()
AdvancedTime	Integer	Local run time for the subscription	getAdvancedTime()

Condition Element	Data Type	Description	Retrieval Code
Operator	String	Filter operator for the column(s). Values include: • BETWEEN • NOTBETWEEN • EQUAL • NOTEQUAL • GREATER • GREATEREQUAL • INLIST • NOTINLIST • ISNULL • ISNOTNULL • LESS • LESSEQUAL • STARTSWITH • NOTSTARTSWITH • CONTAINS • NOTCONTAINS • ENDSWITH • NOTENDSWITH	getOperator()
FieldId	Integer	Field Id of column	getFieldId()
Value1	String	First conditional value	getValue1()
Value2	String	Second conditional value. This is needed if the operators are BETWEEN, NOTBETWEEN, etc.	getValue2()

DashboardDefinition Element	Data Type	Description	Retrieval Code
TabId	Integer	ID of the dashboard tab	getTabId()
GroupTypeCode	String	Type of dashboard tab. Values include: • ANALYTIC • KPI • STANDARD	getGroupTypeCode()
Owner	Integer	ID of dashboard owner	getOwner()
OwnerTypeCode	String	Type of dashboard owner. Value defaults to ORGANISATION	getOwnerTypeCode()
AccessCode	String	Security level of the dashboard tab	getAccessCode()
StartDate	Date	Creation Date	getStartDate()
EndDate	Date	End Date (if applicable)	getEndDate()
StatusCode	String	Status of the dashboard tab	getStatusCode()
ShortDescription	String	Name of the dashboard tab	getShortDescription()
LongDescription	String	Business description of the dashboard tab	getLongDescription()
LanguageCode	String	Two letter language code	getLanguageCode()

StyleCode	String	Layout code. Values include: • SINGLE • TWO • THREE • WIDENARROW • NARROWWIDE	getStyleCode()
Audience	String	Audience description	getAudience()
ParentGroupld	Integer	If the dashboard tab is in draft mode, the original tab ID is saved into this column	getParentGroupld()
Elements	Array (DashboardElement)	A DashboardElement object contains portlet information for reports that reside within the dashboard tab (See DashboardElement)	getElements()
Filters	Array (DashboardFilterDefinition)	A DashboardFilterDefinition object contains format records pertaining the dashboard tab, analytic filters, and filter groups (See DashboardFilterDefinition)	getFilters()
Fields	Array (DashboardFieldDefinition)	A DashboardFieldDefinition object contains format records pertaining fields being displayed as drilldowns on the dashboard tab	getFields()

DashboardElement Element	Data Type	Description	Retrieval Code
TabId	Integer	ID of the dashboard tab	getTabId()
EntityId	Integer	ID of the portlet, which also happens to be the Report ID	getEntityId()
EntityTypeCode	String	Portlet entity type. Value defaults to REPORT	getEntityTypeCode()
ColumnNumber	Integer	Indicating where the portlet is column-wise. The first column starts at the value 1	getColumnNumber()
RowNumber	Integer	Indicating where the portlet is row-wise. The first row starts at the value 1	getRowNumber()
SequenceNumber	Integer	Portlet loading sequence within the dashboard tab	getSequenceNumber()
StartDate	Date	Date the portlet was added	getStartDate()
PortletStatus	String	Portlet status	getPortletStatus()
PortletHeight	Integer	Portlet height in pixels	getPortletHeight()

DashboardFieldDefinition Element	Data Type	Description	Retrieval Code
TabId	Integer	ID of the dashboard tab	getTabId()
FieldId	Integer	Field ID of column	getFieldId()
FieldType	String	Field data type. Values include: • BOOLEAN • DATE • GISGEOMETRY • GISMULTIPOLY • GISPOINT • NUMERIC • TEXT • TIMESTAMP	getFieldType()
ReportId	Integer	ID of report	getReportId()
TemplateId	Integer	ID of corresponding field template record	getTemplateId()
FieldName	String	Column name	getFieldName()
FieldDescription	String	Column name	getFieldDescription()

DashboardFilterDefinition Element	Data Type	Description	Retrieval Code
Groupld	Integer	ID of the dashboard tab	getGroupId()
ComponentId	Integer	Numeric ID for the component based on the component type	getComponentId()
ComponentTypeCode	String	Component types for a DashboardFilterDefinition object include: • FILTER (individual analytic filter) • FILTERGROUP (analytic filter group) • NULL (general dashboard tab)	getComponentTypeCode()

EntityId	Integer		getEntityId()
EntityTypeCode	String	Entity types for a DashboardFilterDefinition object include: - REPORT (analytic filters) - REPORTGROUP (general dashboard tab)	getEntityTypeCode()
FormatKey	String	Format Code	getFormatKey()
FormatValue	String	Format Value	getFormatValue()

ReportFilter Element	Data Type	Description	Retrieval Code
FilterId	Integer	ID of the filter	getFilterId()
IsOmitted	Boolean	If the filter is omitted by default	getIsOmitted()
DataValue	String	Filter values for a particular filter. If there are two values (i.e if the filter operator is BETWEEN, etc) then they are concatenated with a pipe value	getDataValue()

DashboardFilter Element	Data Type	Description	Retrieval Code
ReportId	Integer	ID of the report that the filter belongs to	getReportId()
FilterType	String	Filter operator	getFilterType()
FilterId	Integer	ID of the filter	getFilterId()
TabId	Integer	ID of the dashboard tab that the report	getTabId()
FilterValue	String	Filter values for a particular filter. If the filter operator involves the usage of two values (i.e BETWEEN, etc) then both values are concatenated with a pipe value	getFilterValue()
TemplateId	Integer	ID of the field template record. This applies if the Filter Type is DRILL, etc	getTemplateId()

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