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# Siebel BI Publisher Reports Business Service Methods

Executive Overview .....	1
Report Business Service Methods.....	2
Generating a Report .....	4
Generating a Report – Optional Parameters.....	5
Generating a Report – Connected & Disconnected Mode.....	7
Attaching a Report Output to a Siebel Object .....	8
Saving a Report Output to a File System.....	14
Emailing a Report Output .....	16
Sending a Report Output to an FTP Server .....	19
Sending a Report Output to a Fax .....	21
Scheduling a Report .....	23
Sending a Report Output to a WebDAV location.....	25
Sending a Report Output to a Printer.....	27
Appendix .....	29
Report Business Service Methods.....	29

## Executive Overview

The purpose of the technical document is to detail the Siebel BI Publisher Reports Business Service Methods that are available with Siebel 8.1.1.7 Fix Pack and above.

To use the Report Business Service methods a working deployment of the Siebel BI Publisher integration is required.

When upgrading from a prior release with the Business Service, verify the following:

- Language Code should be an optional input argument in the XMLP Driver Service (Business Service)
- The latest Workflow Process for 'BIP Report Generation' and 'BIP Create Report Output' should be active / deployed.
- Workflow process 'BIP Report Generation DeliveryChannel' can be imported and used for testing the Business Service delivery channels.

## Report Business Service Methods

The following Report Business Service methods provide the following functionality:

### XMLP Driver Service

Method	Exposed	Description
GenerateBIPReport()	Y	This method is used for running the Siebel report in <b>connected mode</b> . This is the final method which has to be used to report generation. This will internally generate Siebel binary data and push this to BI Publisher server. Calls method RunBIPReport() for generating the report.
GenerateReport()	Y	This method is used for running the Siebel report in <b>disconnected mode</b> . This is the final method which has to be used to report generation. This will internally generate Siebel binary data and push this to BI Publisher server. Calls method RunBIPReport() for generating the report.
EMailReport()	Y	A method is available in the Reports Business Service to email reports. The reports are submitted as a scheduled report, and then emailed upon completion. When using this method the appropriate email server will need to be configured for use with the BI Publisher server as a delivery channel.
FTPReport()	Y	A method is available in the Reports Business service to send the reports through FTP to a location. The reports are submitted as a schedule report and the generated report is sent to the FTP location. To use it FTP configuration needs to be done on the BI Publisher server as a delivery channel.
FaxReport()	Y	A method is available in the Reports Business service to send the reports to a Fax. The reports are submitted as a schedule report and the generated report is sent to the Fax machine configured on the BI Publisher server as a delivery channel.
LocalDeliveryReport()	Y	A method is available in the Reports Business service to save the generated report in the BI Publisher repository on the BI Publisher local file server. The reports are submitted as a schedule report and saved to the local server.
PrintReport()	Y	A method is available in the Reports Business service to send the reports to a Printer. The reports are submitted as a schedule report and the generated report is sent to the Printer as configured on the BI Publisher server. Printer configuration needs to be

		done on the BI Publisher server as a delivery channel.
ScheduleReport()	Y	A method available in the Report Business service to schedule the reports.
WEBDAVReport()	Y	A method is available in the Reports Business service to send the report to a different domain. The reports are submitted as a schedule report and the generated report is sent to the WEBDav configured in the BI Publisher server. WEBDav configuration needs to be done on the BI Publisher server as a delivery channel.
AttachEntity()	N	It is possible to pass some input arguments to the Reports Business Service which determines whether to store the report output in the Report Output BC or to attach the report to another Attachment BC.  <b>Not exposed</b> as an individual method, part of the GenerateBIPReport() method.

For methods where a delivery channel needs to be defined on the BI Publisher Server, please refer to the BI Publisher Administration Guide for more information on the setup:  
[http://docs.oracle.com/cd/E12844\\_01/doc/bip.1013/e12188/T421739T514581.htm](http://docs.oracle.com/cd/E12844_01/doc/bip.1013/e12188/T421739T514581.htm)

Other methods used in the Siebel BI Publisher integration are described in the Appendix, but these are not recommended for general use.

For each individual method more detail is provided in this document.

## **Generating a Report**

To run a standard report from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
- Run Report Basic Inputs.xml
  1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'Run Report Basic Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

The following input arguments are used and are the minimum mandatory required:

<b>Name</b>	<b>Example Value</b>	<b>Description</b>
ProcessName	BIP Report Generation	Name of Workflow Process
MethodName	GenerateBIPReport	Method to run
BIPUserId	Administrator	Username for BI Publisher server
BIPPassword	Administrator	Password for BI Publisher server
ReportName	Opportunity List	Report name
IntegrationObject	BIP Opportunity List - Current Query	Integration object
ReportOutputType	PDF	Output type
Bookmark	'Opportunity'.Search = "[Name] LIKE 'B*'"	Query specification
ViewMode	Sales Rep	View mode for report query
ReportOutputLang	ENU	Report output language
ReportSelected	Opportunity List	Name of report output
ReportOutputFileName	Custom	

## **Generating a Report – Optional Parameters**

Additional optional parameters can also be added to the report generation, these are documented below. To run a standard report with optional parameters from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
- Run Report Optional Inputs.xml
  1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'Run Report Optional Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

The following input arguments are used and those marked 'Optional' = N are the minimum mandatory required:

<b>Name</b>	<b>Example Value</b>	<b>Optional</b>	<b>Description</b>
ProcessName	BIP Report Generation	N	Name of Workflow Process
MethodName	GenerateBIPReport	N	Method to run
BIPUserId	Administrator	N	Username for BI Publisher server
BIPPassword	Administrator	N	Password for BI Publisher server
ReportName	Opportunity List	N	Report name
IntegrationObject	BIP Opportunity List - Current Query	N	Integration object
ReportOutputType	PDF	N	Output type
Bookmark	'Opportunity'.Search = "[Name] LIKE 'B*'"	N	Query specification
ViewMode	Sales Rep	N	View mode for report query
ReportOutputLang	ENU	N	Report output language
ReportSelected	Opportunity List	N	Translated Report Name that is displayed in the UI
ReportOutputFileName	Custom	N	Name of the physical output file which can be opened/downloaded. Is currently not functioning.
TimeZone	(GMT-08:00) Pacific Time (US & Canada)	Y	Time zone used for scheduling reports
PositionId	0-5220	Y	Position of user

LoginId	0-1	Y	Login for user
CurrencyCode	USD	Y	Currency for formatting of currency fields
EnableChunk	Y	Y	Set to 'Y' to improve performance for long running reports.
HTTPSleepTime	120000	Y	Value in milliseconds for which the Business Service should persist without timeout during a report generation request.
ReportCustomName	Custom Name	Y	Custom name of the report output request in the Report Output BC.

To use HTTPSleepTime parameter also requires a corresponding script change – refer to document (Doc ID 859193.1) for more information

<https://support.us.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=859193.1&h=Y>

To set HTTP Sleep Time

- Add the following line in the PreInvokeMethod() of the Server script of "XMLP Driver Service" business service.  
Inputs.SetProperty("HTTPSleepTime", "120000");
- Add the following line in the PreInvokeMethod() of the Server script of "EAI HTTP Transport" business service.  
Inputs.SetProperty("HTTPSleepTime", "120000");



### **Generating a Report – Connected & Disconnected Mode**

The following two methods and associated parameter should be used for report generation.

#### **GenerateBIPReport()** – Web Client (connected) mode

Report generation via Business Service uses XMLP Component and decoupled BI Publisher Enterprise Server. Uses the server database and file system.

If a report is executed as a server job via the Server Request Business Service for the XMLP Component, load balancing, concurrency, scalability features, full reporting functionality such as multilingual etc can be leveraged. The standard Workflow ‘BIP Report Generation’ does not create a server job.

#### **GenerateReport()** – Dedicated Client (disconnected) mode

Report generation via Business Service uses local Object Manager and embedded BI Publisher jar files. Uses the disconnected database and file system.

<b>Name</b>	<b>Optional</b>	<b>Example Value</b>
IsStandAloneWebClient	Y	<p>It is to differentiate between the Web Client and the Mobile/Dedicated client. Set to True or False. For Mobile and Dedicated client set this to False. For Web Client set this to True. The Default is False. This is internally a mandatory parameter for both methods but if it's not set, the default value of False will be used.</p> <p>For Web Client when calling the GenerateBIPReport() method directly, IsStandAloneWebClient parameter must be set to True.</p> <p>For Mobile/Dedicated Client when calling the GenerateReport() method directly, IsStandAloneWebClient parameter must be set to False.</p>

## Attaching a Report Output to a Siebel Object

### **AttachEntity()**

It is possible to pass some input arguments to the Reports Business Services which determine whether to store the report output in the Report Output BC or to attach the report to another Attachment BC.

The input argument “Other Attachment BC Required” is used to check whether to use the Report Output BC or any other Attachment BC. If the Value is “True” then the report will be attached to the Attachment BC and not in the Report Output BC. If the value is “BOTH” then the report is available in both the Report Output BC and the Attachment BC.

To run a standard report with optional parameters from the Business Service simulator, using the Workflow Process ‘BIP Report Generation’ perform the following:

- Service Name.xml
  - Attach Report Basic Inputs.xml
  - Attach Report Optional Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on ‘Load From File’
  3. Choose ‘Service Name.xml’
  4. In Input Arguments applet, click on ‘Load From File’
  5. Choose ‘Attach Report Basic Inputs.xml’
  6. Open the parameters, by clicking on ‘Property Name’, verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on ‘Run’ in the Service Name applet.

An input argument parameter ‘Other Attachment BC Required’ for the “XMLP Driver Service” function has the following applicable values:

Parameter Value	Functionality
True	This will use the other set of parameters appended with report parameters which will include the string values of Attachment BC, BO, Parent BC, Link field, Attachment Field etc. These parameters will be used to create a new record in the other attachment BC mentioned in the property set. This record’s row id will be used for report creation.
False	It will use the existing functionality with “Report Output BC” which is using rowid of new record created in this BC for Report generation.
Both	If the value for this parameter is “BOTH” then report attachment should be there in both Report Output BC and Attachment BC.

The input arguments above are case insensitive.

**Note:**

- If **Other\_Attachment\_BC Required = True/Both** then provide the mandatory child input argument as shown in the table below.
- If **Other\_Attachment\_BC Required = False** then no need to specify any input arguments.

Child input arguments for the Workflow must follow a hierarchy, as follows, for ease of use, please use the 'Attach Report Optional Inputs.xml' file, and make appropriate modifications:

1. Child Type property set:

Test Case #	Type	Value	Child Type	Child Value	Property Name	Property Value
>	PropertySet		AttachmentParams		MethodName	GenerateBIPReport

Input argument examples:

Name	Example Value	Description
ProcessName	BIP AttachEntity Report Generation	Name of Workflow Process
MethodName	GenerateBIPReport	Method to run
BIPUserId	Administrator	Username for BI Publisher server
BIPPassword	Administrator	Password for BI Publisher server
ReportName	Opportunity List	Report name
IntegrationObject	BIP Opportunity List - Current Query	Integration object
ReportOutputType	PDF	Output type
Bookmark	'Opportunity'.Search = "[Name] LIKE 'B*'"	Query specification
ViewMode	Sales Rep	View mode for report query
ReportOutputLang	ENU	Report output language
ReportSelected	Opportunity List	Name of report output
ReportOutputFileName	Custom	
Other Attachment BC Required	True	True, False or Both

2. Open the Child Type 'AttachmentParams' property set:

Type	Value	Child Type	Child Value	Property Key	Property Value
> AttachmentParams		ListOfAttachmentParams		MessageId	42-3JA6

Open the Properties:

Property Name	Value
> MessageId	42-3JA6
IntObjectName	AttachmentParams
MessageType	Integration Object
IntObjectFormat	Siebel Hierarchical

Input argument examples:

Name	Optional	Value
MessageId	Y	
IntObjectName	N	AttachmentParams
MessageType	N	Integration Object
IntObjectFormat	N	Siebel Hierarchical

3. Open the Child Type 'ListOfAttachmentParams' property set:

Type	Value	Child Type	Child Value	Property Key	Property Value
> ListOfAttachmentParams		AttachmentParams			

Type	Value	Child Type	Child Value	Property Key	Property Value
> AttachmentParams		ListOfAttachmentChildBC		Attach BO	Account

Open the Properties:

Property Name	Value
> Attach BO	Account
ParentRowId	88-26CND
Attach BC	Account

Input argument examples:

Name	Optional	Value
Attach BO	N	Business Object for attachment Business Component e.g. Account
Attach BC	N	Attachment Business Component Name e.g. Account Attachment
ParentRowId	N	Parent Row Id of the attachment record. This will be used when Attachment Business Component is a Child Business Component. e.g. 88-26CND

4. Open the Child Type 'ListOfAttachmentChildBCFields' property set:

Type	Value	Child Type	Child Value	Property Key	Property Value
> ListOfAttachmentChildBC		AttachmentChildBC			

Type	Value	Child Type	Child Value	Property Key	Property Value
AttachmentChildBC		ListOfAttachmentChildBCFields		ChildBCName	Account Attachment

Open the Property set:

Property Name	Value
ChildBCName	Account Attachment
AttachFileExtensionFieldName	AccntFileExt
AttachmentFieldName	AccntFileName

Input argument examples:

Name	Optional	Value
ChildBCName	N	Attachment Business Component Name e.g. Account Attachment
AttachmentFieldName	N	Field name of attachment Business Component where attachment has to be placed e.g. AccntFileName
AttachFileExtensionFieldName	N	e.g. AccntFileExt

5. Open the Child Type ‘AttachmentChildBCFields’ property set:

Type	Value	Child Type	Child Value	Property Key	Property Value
ListOfAttachmentChildBCFields		AttachmentChildBCFields			

Type	Value	Child Type	Child Value	Property Key	Property Value
AttachmentChildBCFields				FieldValue	88-26CND

Open the Property set:

Property Name	Value
FieldValue	88-26CND
FieldName	Account Id

Input argument examples:

Name	Optional	Value
FieldValue	N	Parent Row Id when the Business Component is a child Business Component e.g. 88-26CND
FieldName	N	Field name of Parent Row Id field name in the child attachment Business Component where attachment has to be placed e.g. Account Id

## Saving a Report Output to a File System

### LocalDeliveryReport()

A method is available in the Reports Business Service to do generate reports as a schedule job and save the report output file onto the local file system of the BI Publisher server.

1. User has to provide mentioned inputs and execute the LocalDeliveryReport() method of XMLP Driver Service.
2. The LocalDeliveryReport () method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.

To run a report from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
  - Local Delivery Report Basic Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'Local Delivery Report Basic Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

Example input arguments as follows:

Name	Optional	Example
ProcessName	Y	BIP Report Generation
MethodName	Y	LocalDeliveryReport
Destination		D:\oracle\product\10.2.0\client_2\xmlp\XMLP\Reports\SiebelCRMReports\test.pdf
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
InputSearchSpec	Y	
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
NamedSearchSpec	Y	



OutputIntObjectName	Y	
ReportJobName	Y	
ReportName	Y	Account List
ReportOutputLang	Y	enu
ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportSaveOutputOption	Y	
ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0
localDeliveryOption	N	LocalDeliveryReport This parameter is only used in the Workflow provided as a decision step condition.

**Note:**

- If ReportScheduleMode = Run Daily/Weekly then we need to add below mandatory parameter as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode = Run Monthly then we need to add below mandatory parameter as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

Local Delivery IO mandatory files:

Name	Optional	Example
Destination	N	D:\OraHome_1\xmlp\XMLP\Reports\SiebelCRMReports\test.PDF

## Emailing a Report Output

### **EEmailReport()**

A method is available in the Reports Business Service to email reports.

1. User has to provide mentioned inputs and execute the EEmailReport() method of XMLP Driver Service.
2. The EEmailReport() method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.
3. The entire mail id which is provided in the input will receive the report. Multiple emails are accepted.

To run a report from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
  - EMail Report Basic Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'EMail Report Basic Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

Example input arguments as follows:

<b>Name</b>	<b>Optional</b>	<b>Example</b>
ProcessName	Y	BIP Report Generation
MethodName	Y	EEmailReport
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
InputSearchSpec	Y	
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
NamedSearchSpec	Y	
OutputIntObjectName	Y	
ReportJobName	Y	

ReportName	Y	Account List
ReportOutputLang	Y	enu
ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportSaveOutputOption	Y	
ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0
DeliveryChannel	N	EEmailReport This parameter is only used in the Workflow provided as a decision step condition.

**Note:**

- If ReportScheduleMode == Run Daily/Weekly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode == Run Monthly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

EmailReport IO mandatory fields:

Name	Optional	Example
emailServerName	N	acsmt356.oracle.com
emailSubject	N	Report Details
emailReplyTo	N	Firstname.lastname@oracle.com
emailBCC	N	Firstname.lastname@oracle.com
emailBody	N	Mail body message
emailCC	N	Firstname.lastname@oracle.com

emailTo	N	Firstname.lastname@oracle.com
emailFrom	N	Firstname.lastname@oracle.com

## Sending a Report Output to an FTP Server

### FTPReport()

A method is available in the Reports Business Service to send reports to FTP site.

1. User has to provide mentioned inputs and execute the FTPReport() method of XMLP Driver Service.
2. The FTPReport() method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.

To run a report from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
  - FTP Report Basic Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'FTP Report Basic Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

Example input arguments as follows:

Name	Optional	Example
ProcessName	Y	BIP Report Generation
MethodName	Y	FTPReport
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
InputSearchSpec		
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
NamedSearchSpec	Y	
OutputIntObjectName	Y	
ReportJobName	Y	
ReportName	Y	Account List
ReportOutputLang	Y	enu

ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportSaveOutputOption	Y	
ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0
DeliveryChannel	N	FTPReport This parameter is only used in the Workflow provided as a decision step condition.

**Note:**

- If ReportScheduleMode == Run Daily/Weekly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode == Run Monthly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

FTPReport IO mandatory fields:

Name	Optional	Example
ftpServerName	N	wptgpc03.us.oracle.com
ftpUserName	N	Xyz
ftpUserPassword	N	User password
remoteFile	N	File path
sftpOption	N	FALSE

## Sending a Report Output to a Fax

### **FaxReport()**

A method is available in the Reports Business Service to fax reports.

1. User has to provide mentioned inputs and execute the FaxReport() method of XMLP Driver Service.
2. The FaxReport() method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.

To run a report from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
  - Fax Report Basic Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'Fax Report Basic Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

Example input arguments as follows:

Name	Optional	Example
ProcessName	Y	BIP Report Generation
MethodName	Y	FaxReport
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
InputSearchSpec		
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
NamedSearchSpec	Y	
OutputIntObjectName	Y	
ReportJobName	Y	
ReportName	Y	Account List
ReportOutputLang	Y	enu

ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportSaveOutputOption	Y	
ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0
DeliveryChannel	N	FaxReport This parameter is only used in the Workflow provided as a decision step condition.

**Note:**

- If ReportScheduleMode = Run Daily/Weekly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode = Run Monthly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

FaxReport IO mandatory fields:

Name	Optional	Example
faxNumber	N	Fax Number
faxServer	N	Server address



## Scheduling a Report

### ScheduleReport()

A method is available in the Reports Business Service to schedule reports.

1. User has to provide mentioned inputs and execute the ScheduleReport () method of XMLP Driver Service.
2. The ScheduleReport () method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.

Example input arguments as follows:

Name	Optional	Example
ProcessName	Y	BIP Report Generation
MethodName	Y	ScheduleReport
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
HTTPSleepTime	Y	120000
InputSearchSpec	Y	
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
NamedSearchSpec	Y	
OutputIntObjectName	Y	
PositionId	Y	
ReportJobName	Y	
ReportName	Y	Account List
ReportOutputLang	Y	enu
ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0

#### Note:

- If ReportScheduleMode = Run Daily/Weekly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode = Run Monthly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

## Sending a Report Output to a WebDAV location

### **WEBDAVReport()**

A method is available in the Reports Business Service to save reports to an external drive.

3. User has to provide mentioned inputs and execute the WEBDAVReport () method of XMLP Driver Service.
4. The WEBDAVReport () method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.

To run a report from the Business Service simulator, using the Workflow Process 'BIP Report Generation' perform the following:

- Service Name.xml
  - WebDav Report Basic Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on 'Load From File'
  3. Choose 'Service Name.xml'
  4. In Input Arguments applet, click on 'Load From File'
  5. Choose 'WebDav Report Basic Inputs.xml'
  6. Open the parameters, by clicking on 'Property Name', verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on 'Run' in the Service Name applet.

Example input arguments as follows:

Name	Optional	Example
ProcessName	Y	BIP Report Generation
MethodName	Y	WEBDAVReport
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
InputSearchSpec	Y	
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
NamedSearchSpec	Y	
OutputIntObjectName	Y	
ReportJobName	Y	
ReportName	Y	Account List
ReportOutputId	Y	

ReportOutputLang	Y	enu
ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportSelected	Y	
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0
DeliveryChannel	N	WEBDAVReport This parameter is only used in the Workflow provided as a decision step condition.

**Note:**

- If ReportScheduleMode = Run Daily/Weekly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode = Run Monthly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

WEBDAVReport IO mandatory fields

Name	Optional	Example
deliveryAuthType	N	Basic
deliveryAuthTypeBasic	N	Report Detail
userName	N	
Password	N	
remoteFilePath	N	
Server	N	
deliveryAuthTypeDigest	N	String

## Sending a Report Output to a Printer

### PrintReport()

A method is available in the Reports Business Service to print reports.

1. User has to provide mentioned inputs and execute the PrintReport() method of XMLP Driver Service.
2. The PrintReport() method will use the **ScheduleRequest** API and therefore will be sent as a scheduled report request.

Generation? perform the following:

- Service Name.xml
  - Print Report Basic Inputs.xml
1. Go to Administration – Business Service > Simulator
  2. In Service Name applet, click on ‘Load From File’
  3. Choose ‘Service Name.xml’
  4. In Input Arguments applet, click on ‘Load From File’
  5. Choose ‘Print Report Basic Inputs.xml’
  6. Open the parameters, by clicking on ‘Property Name’, verify the BIPUserId and BIPPassword parameters are valid for the BI Publisher Server, otherwise an error will occur when running the report. Close the parameter applet.
  7. Click on ‘Run’ in the Service Name applet.

Example input arguments as follows:

Name	Optional	Example
ProcessName	Y	BIP Report Generation
MethodName	Y	PrintReport
BCViewMode	Y	0
BIPUserId	Y	SADMIN
BIPPassword	Y	SADMIN
Bookmark	Y	'Account'.Search = "[Name] LIKE 'B*'"
CurrencyCode	Y	usd
IntegrationObject	Y	BIP Accounts - Current Query
LDAPEnabled	Y	
LanguageCode	Y	Enu
LoginId	Y	SADMIN
ReportJobName	Y	
ReportName	Y	Account List
ReportOutputLang	Y	enu
ReportOutputLocale	Y	enu
ReportOutputType	Y	pdf
ReportSaveDataOption	Y	true
ReportSaveOutputOption	Y	

ReportScheduleMode	Y	Run Immediately
ReportSchedulePublicOption	Y	False
ReportStartDate	Y	2012-01-19T19:10:44.000Z
SearchSpec	Y	
TimeZone	Y	
ViewMode	Y	0
DeliveryChannel	N	PrintReport This parameter is only used in the Workflow provided as a decision step condition.

**Note:**

- If ReportScheduleMode = Run Daily/Weekly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfWeek	N	TUE

- If ReportScheduleMode = Run Monthly then we need to add below mandatory parameters as well.

Name	Optional	Example
ReportActiveStartDate	N	2011-11-22T08:00:00.000Z
ReportActiveEndDate	N	2011-11-26T07:59:59.999Z
ReportRunTime	N	02:20:00
ReportDayOfMonth	N	22
ReportMonth	N	NOV

PrintReport IO mandatory fields:

Name	Optional	Example
printNumberOfCopy	N	3
printRange	Y	1-5, 4
printSide	N	Single sided
printTray	N	Default
printerName	N	Name of the printer

## Appendix

### Report Business Service Methods

Methods used **internally** in the Siebel BI Publisher integration are described here for general information, but these are not recommended for general use and manipulation of these methods could cause the reporting integration to fail.

#### XMLP Driver Service

Method	Exposed	Description
Authenticate()	Y	Invoked during inbound web service call from BI Publisher to Siebel, the User Id/Password is returned to BI Publisher for authentication.
GetAllRoles()	Y	Used for getting responsibilities, restricted by XMLP* (filter added in 8.1.1.7)
GetAllUsers()	Y	This is used by BI Publisher in the Siebel Security model to get all users for a specific responsibility
GetRoles()	Y	This is used by BI Publisher in the Siebel Security model
GetRoles2()	Y	This does nothing, is redundant
VerifyReportFiles()	N	
PrepareReportFiles()	N	Extract zip file to put XLIFF files in correct place then upload
GenerateFile()	N	This method is actually used to create a file into the attachment BC Field. It is an extension to the existing functionality where CreateFile() method is called to actually create file into Siebel Filesystem.
CreateAttachment()	N	This method will utilize the child attachment input parameters of the report property set. It will create a new record into the specified attachment BC and set its Row Id into output arguments of the method after successful record creation.

#### XMLP Adapter Service

Method	Exposed	Description
RunBIPReport()	Y	This method is used for generating the report. This method is called internally by GenerateReport() and GenerateBIPReport()
CallJava()	Y	Internally used during report generation.

#### XMLP Data Service

Method	Exposed	Description
BuildRunTimeXMLData()	Y	This method is used to convert the IO to XML

		hierarchy in Disconnected Client.
BuildMultiXMLData()	Y	This method is used to convert Multiple IO to XML hierarchy in Web Client.
BuildXMLData()	Y	This method is used to convert the IO to XML hierarchy in Web Client.
GetReportData()	N	This method is used for pushing the run time Siebel data in binary form to the BI Publisher Server.
GetDataAsBinary()	Y	Generates runtime XML data for report generation.

### XMLP Purge Service

Method	Exposed	Description
AutoPurgeRecords()	Y	Method invoked by the Purge Workflow.
PurgeRecords()	Y	Method invoked by a button in 8.1.1 release. Is now replaced by the Workflow.

### XMLP Report Menu Service

Method	Exposed	Description
GetCombinedMenuItemList()	Y	Displays the reports as a menu item when the report icon is clicked.
RunReportFromMenu()	Y	Executed after selection of the report from the menu.
RunXMLPRepor()	Y	Report is generated, executed on click of submit of the Report Popup applet.

### XMLP Siebel Adapter

Method	Exposed	Description
Query()	Y	Calls the EAI Query method to execute the database query.
QueryPage()	Y	Restricts the number of records in the EAI Query method. Pagesize argument is set internally to 100.

### XMLP Report Business Service

Method	Exposed	Description
None	N	Used in Mobile and Dedicated client for report generation.





Siebel BI Publisher Reports Business Service  
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