**BIP Job Document Information**

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**Document Review & Sign-off**

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### **Overview**

This document gives the overview of integration with Oracle via BIP Run Report using Dell Boomi as Integration tool.

**Details on BIP:**

BIP based data extracts are for:

* Data that are not available via SOAP/REST APIs
* Bulk data extracts

Using these reporting tools, design reports to generate data in CSV formats. Upon executing the process, the reports will be placed in UCM (Universal content Management) server. Users/Applications can download it from the UCM server.

From Integration perspective the report related extracts can be generated using below services.

* **RunReport** : Using this API we can trigger BIP to extract the data in base64 encoded format which we load into the process flow where we decode it in the native XML format and then load the extracted data to specific outbound system.
* These are the custom-built report to extract or get the status of the various jobs by the technical team below are the details SOAP service details to call these from Boomi.
* WSDL URL to be used:

https://{Hostname}/xmlpserver/services/PublicReportService?WSDL

**Boomi Implementation:**

Reusable component has been built to submit the BIP Run Report for dynamic variables. Dell Boomi sends a Request to Oracle SaaS with input request parameters and Oracle BIP reports extracts the required data based on input parameter as a result. The response from Oracle is Base64 encoded.

Once we get response from oracle, a validation is performed whether data fetched or not, if data fetched from oracle, immediately Boomi performs base64 decode and send back to calling source point or user along with status as ‘SUCCESS’ and data as ‘Y’, if data not fetched from oracle then response sent along with status as ‘SUCCESS’ and data as ‘N’

In case of any error in process it will provide error message with status as ‘FAILED’ to the calling source point.

All these steps have been arranged in this process such a way we can reuse this process in any project and any no of times to call the BIP Run Report.

In below sections will illustrate in detail how to use and setup the process along with example snapshots.

## **Configuration**

To establish the connection from Dell Boomi to Oracle SaaS we required WSDL URL, endpoint, username, and password etc., these can be configured from atom level by extending these connection paraments at process level.

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| Extend the required components. |  |
| Set the oracle connection parameters according to your connection and execute the process. |  |

## **Process Usage**

BIP Run Report jobs can be submitted with or without parameters. Please set required parameters as a Dynamic Document Property in caller process.

Please find the required input details for the process.

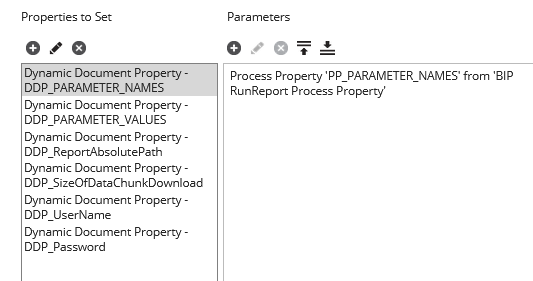
Parameter Name, Parameter Value details should be in sequence with a separator ‘#.

For input with value range, pass the input value as comma delimited string.

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the Input property | Description | Mandatory/Optional | Property example |
| DDP\_PARAMETER\_NAMES | This property to set the input param names. Set the string value separated by “#” | Yes | ParamName1#ParamName2#ParamName3 |
| DDP\_PARAMETER\_VALUES | This property to set the input param value. Set the string value separated by “#” | Yes | Paramvalue1#Paramvalue2#Paramvalue3 |
| DDP\_ReportAbsolutePath | This property to set the path of the BIP Run Report job (from Oracle SaaS) | Yes | /Custom/BIPforBoomi/DemoRPT.xdo |
| DDP\_SizeOfDataChunkDownload | This property to set the size of data chunk download (from Oracle SaaS) | Yes | -1 |
| DDP\_UserName | This is the username of Oracle login | Yes |  |
| DDP\_Password | This is the password of Oracle login | Yes |  |

## **BIP\_RunReport\_Caller**

This Demo Process sets the required document properties using extended process properties. The document properties are consumed by reusable component to make BIP call.



The Demo Process calls the subprocess ‘BIP Run Report Process’ and on successful invocation receives the decoded report as response.

