

Oracle Apps Reference

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How to create a simple XML Publisher Report

Posted: December 25, 2013 in [XML Publisher](#)

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1. Navigate to System Administrator->Concurrent->Program->Define and create a new concurrent program as below with Executable as "XDODTEXE" and output as "XML".

(<https://govoracleapps.files.wordpress.com/2013/12/117.jpg>)

Then click on parameters button and enter the parameter as below

Program: GOV Supervisor Hierarchy Report
Application: Application Object Library

Conflicts Domain: Security Group:

Seq	Parameter	Description	Enabled
1	Oracle User Name	User Name in Caps	<input checked="" type="checkbox"/>

Validation
Value Set: GOV_USER_NAME
Default Type:
☐ Required ☐ Enable Security
Description:
Default Value:
Range:

☒ Display
Display Size: 25 Description Size: 50
Concatenated Description Size: 25 Prompt: Oracle User Name

Token: p_user_name

(<https://govoracleapps.files.wordpress.com/2013/12/217.jpg>)

2. Navigate to System Administrator->Security->Responsibility->Request,query request group as “**System Administrator Reports**” & application as “**Application Object Library**”(Its the request group attached to System Administrator responsibility).Then add the newly created concurrent program to it.

Group: System Administrator Reports
Application: Application Object Library
Code:
Description:

Type	Name	Application
Program	GOV Supervisor Hierarchy Report	Application Object Library

(<https://govoracleapps.files.wordpress.com/2013/12/310.jpg>)

3. Below is the Data Definition template XML which is created and its explanation.

```
<?xml version="1.0" encoding="UTF-8"?>

<dataTemplate name="GOV_TEST_TEMP" description="GOV Supervisor Hierarchy Report" version="1.0" defaultPackage="">
  <parameters>
    <parameter name="p_user_name" datatype="CHARACTER"/>
  </parameters>

  <properties>
  </properties>

  <dataQuery>
    <sqlStatement name="Q1">
      <![CDATA[
SELECT
  pp.person_id PERSON_ID,
  pp.full_name EMPLOYEE_NAME,
  pa.supervisor_id MANAGER_ID,
  (SELECT full_name from per_all_people_f where person_id = pa.supervisor_id) MANAGER_NAME,
  pj.job_id JOB_ID,
  pj.name JOB_NAME
FROM
  per_people_x pp,
  per_assignments_x pa,
  per_jobs pj

WHERE
  pp.person_id = pa.person_id
AND
  pa.JOB_ID = PJ.JOB_ID
START WITH pp.PERSON_ID IN (SELECT employee_id FROM ind_user WHERE user_name = :p_user_name)
CONNECT BY PRIOR pa.supervisor_id = pp.PERSON_ID
]]>
    </sqlStatement>
  </dataQuery>

  <dataStructure>
    <group name="GOV_TEST_GROUP" source="Q1">
      <element name="PERSON_ID" value="PERSON_ID"/>
      <element name="EMPLOYEE_NAME" value="EMPLOYEE_NAME"/>
      <element name="MANAGER_ID" value="MANAGER_ID"/>
      <element name="MANAGER_NAME" value="MANAGER_NAME"/>
      <element name="JOB_ID" value="JOB_ID"/>
      <element name="JOB_NAME" value="JOB_NAME"/>
    </group>
  </dataStructure>
</dataTemplate>
```

(<https://govoracleapps.files.wordpress.com/2013/12/410.jpg>)

Tag	Explanation
<pre><parameters> <parameter name="p_user_name" datatype="CHARACTER"/> </parameters></pre>	p_user_name is token set for the input parameter of concurrent program.
<pre><lexicals></lexical></pre>	Lexical parameters are defined in this section. But we are not using it.
<pre><dataQuery> <sqlStatement name="Q1"> <![CDATA[Sql query]]> </sqlStatement> </dataQuery></pre>	The SQL query is written within the CDATA tag. If you have multiple SQL queries then each should be written under separate <sqlStatement> like <sqlStatement name="Q1"> & <sqlStatement name="Q2">
<pre><group name="GOV_TEST_GROUP" source="Q1"></pre>	The data generated as part of each SQL query is grouped using group name.
<pre><element name="PERSON_ID" value="PERSON_ID"/></pre>	Each XML element inside a group corresponds to each data retrieved from that query. This means PERSON_ID will have values from column PERSON_ID.

(<https://govoracleapps.files.wordpress.com/2013/12/55.jpg>)

4. Navigate to XML Publisher Administrator->Home->Data Definitions, click on "Create Data Definition" button and create Data Definition as below. Data Definition Code should be same as the Concurrent Program Short name which we created. Then click on Apply button.

Templates **Data Definitions** Administration

Data Definitions >

Create Data Definition

Start Date and End Date define when the Data Definition is active. Only active Data Definitions can be used to create new Templates. The Name can be translated while the Code is identical for all languages.

General

* Name: GOV Supervisor Hierarchy

* Application: Application Object Library

End Date:

Description:

* Code: GOV_TEST_TEMP

* Start Date: 25-Dec-2013

Cancel Apply

(<https://govoracleapps.files.wordpress.com/2013/12/65.jpg>)

Attach the Data DefinitionTemplate XML which we created in step 3.

View Data Definition: GOV Supervisor Hierarchy Report

General

Name: GOV Supervisor Hierarchy Report

Application: Application Object Library

End Date:

Code: GOV_TEST_TEMP

Start Date: 25-Dec-2013

Description:

Update Edit Configuration

Files

XML Schema: Add File

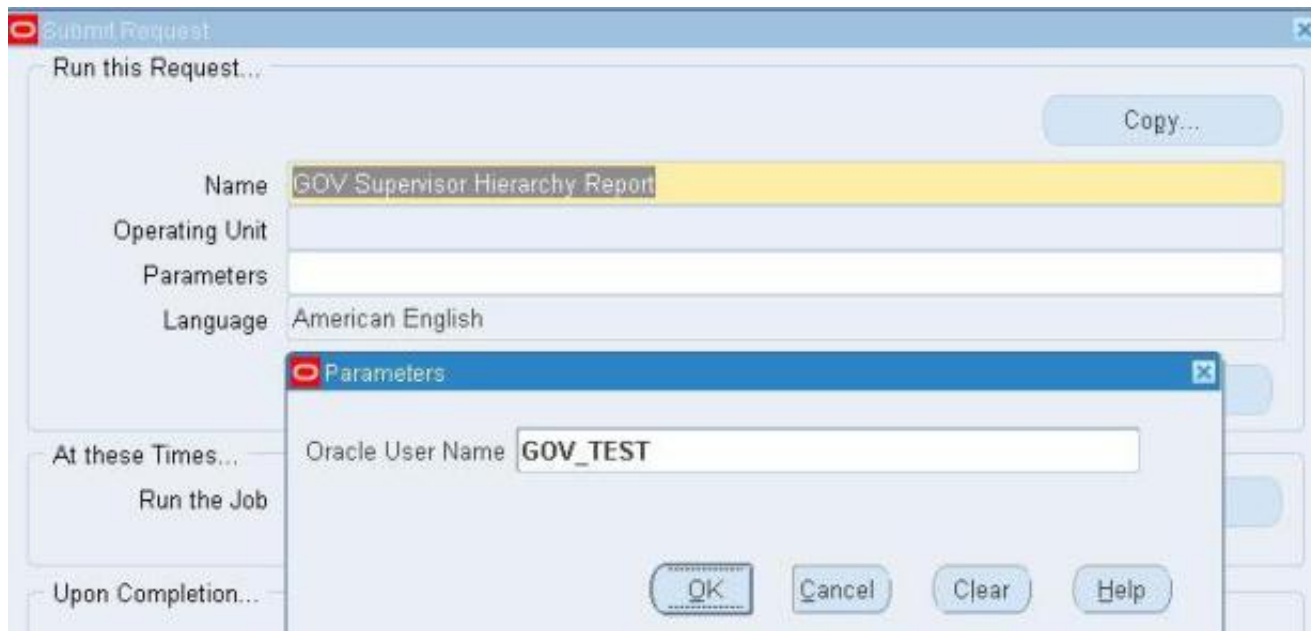
Data Template: GOV_TEST_TEMP.xml Update File

Preview Data: Add File

Bursting Control File: Add File

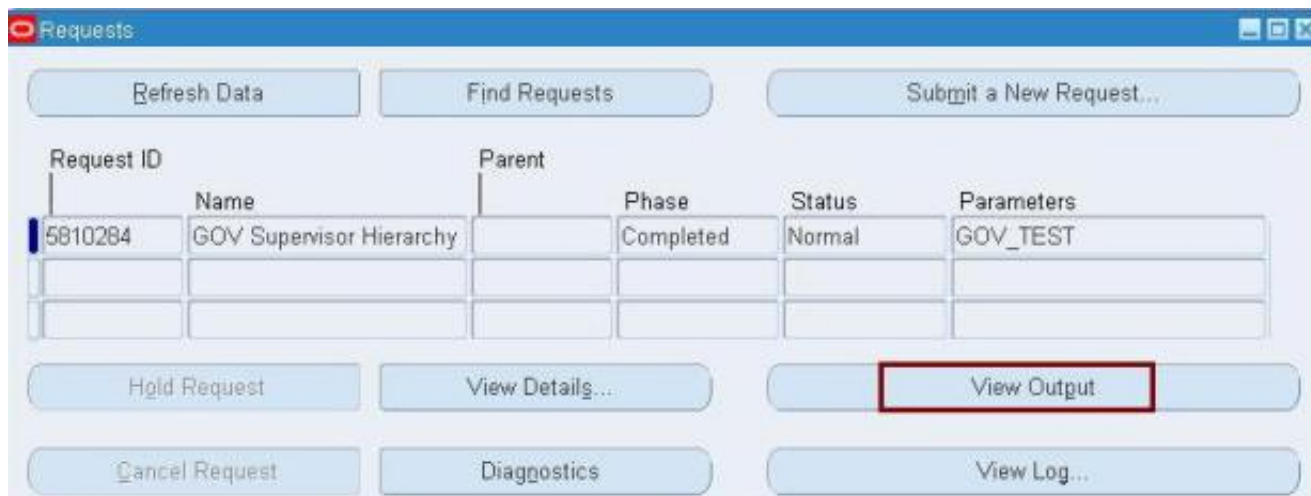
(<https://govoracleapps.files.wordpress.com/2013/12/75.jpg>)

5. Navigate to System Administrator->Concurrent->Requests and submit the newly created concurrent program.



(<https://govoracleapps.files.wordpress.com/2013/12/85.jpg>)

Once the program is completed, click on View output button and save the output in XML format.



(<https://govoracleapps.files.wordpress.com/2013/12/94.jpg>)

```

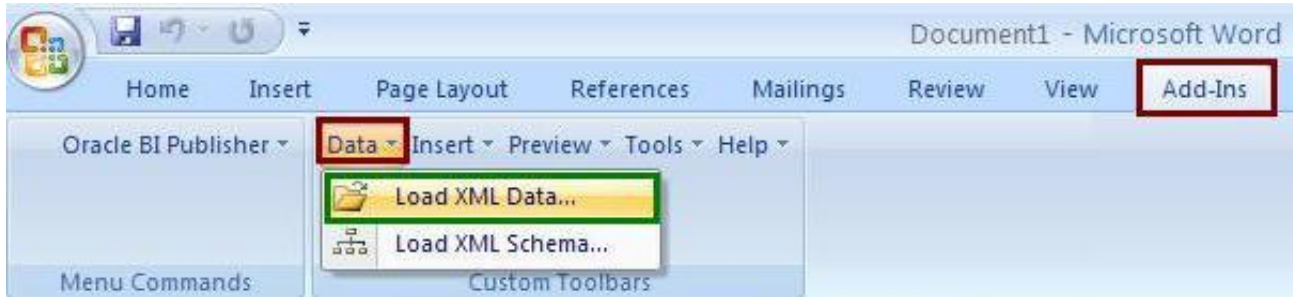
<?xml version="1.0" encoding="UTF-8" ?>

<GOV_TEST_TEMP>
<P_USER_NAME>GOV_TEST</P_USER_NAME>
<LIST_GOV_TEST_GROUP>
<GOV_TEST_GROUP>
<PERSON_ID>31441</PERSON_ID>
<EMPLOYEE_NAME>EMPLOYEE, GOV_TEST</EMPLOYEE_NAME>
<MANAGER_ID>31440</MANAGER_ID>
<MANAGER_NAME>SUPERVISOR, GOV_TEST</MANAGER_NAME>
<JOB_ID>34934</JOB_ID>
<JOB_NAME>EMPLOY.</JOB_NAME>
</GOV_TEST_GROUP>
<GOV_TEST_GROUP>
<PERSON_ID>31440</PERSON_ID>
<EMPLOYEE_NAME>SUPERVISOR, GOV_TEST</EMPLOYEE_NAME>
<MANAGER_ID>31439</MANAGER_ID>
<MANAGER_NAME>MANAGER, GOV_TEST</MANAGER_NAME>
<JOB_ID>34936</JOB_ID>
<JOB_NAME>SUPERV.</JOB_NAME>
</GOV_TEST_GROUP>
<GOV_TEST_GROUP>
<PERSON_ID>31439</PERSON_ID>
<EMPLOYEE_NAME>MANAGER, GOV_TEST</EMPLOYEE_NAME>
<MANAGER_ID>31438</MANAGER_ID>
<MANAGER_NAME>DIRECTOR, GOV_TEST</MANAGER_NAME>
<JOB_ID>34938</JOB_ID>
<JOB_NAME>MANAGE.</JOB_NAME>
</GOV_TEST_GROUP>
<GOV_TEST_GROUP>
<PERSON_ID>31438</PERSON_ID>
<EMPLOYEE_NAME>DIRECTOR, GOV_TEST</EMPLOYEE_NAME>
<MANAGER_ID/>
<MANAGER_NAME/>
<JOB_ID>34940</JOB_ID>
<JOB_NAME>DIRECT.</JOB_NAME>
</GOV_TEST_GROUP>
</LIST_GOV_TEST_GROUP>
</GOV_TEST_TEMP>

```

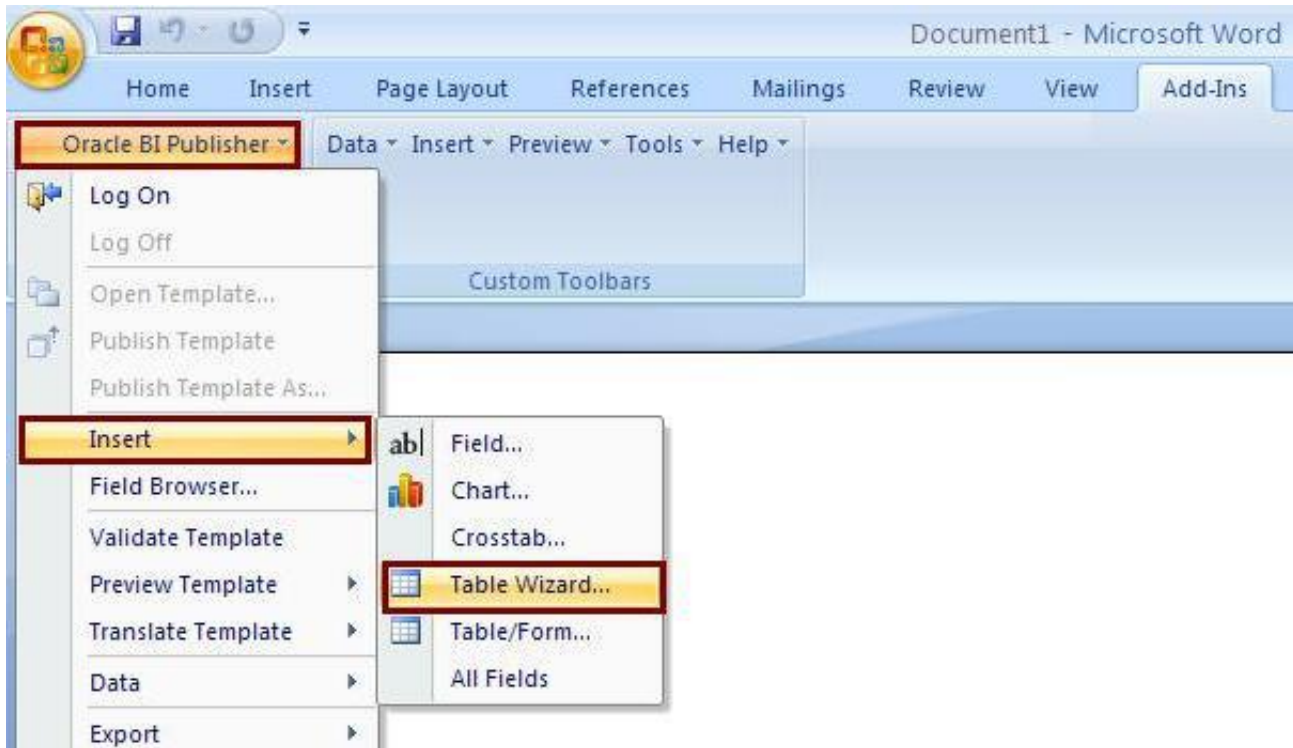
https://govoracleapps.files.wordpress.com/2013/12/output_xml.jpg

6. Open MS Word->Add-Ins->Data->Load XML Data and load the output XML file which we saved in previous steps.(Ensure BI Publisher Desktop is installed)



(<https://govoracleapps.files.wordpress.com/2013/12/106.jpg>)

7. Then click on Oracle BI Publisher->Insert->Table Wizard



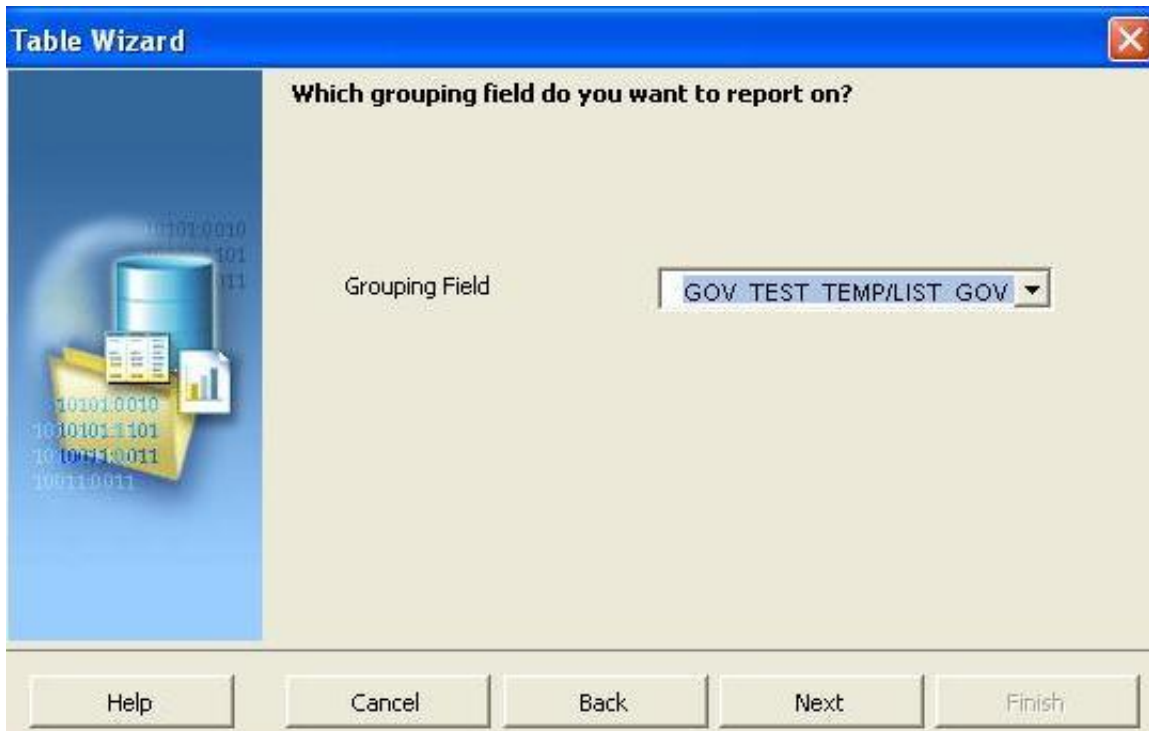
(<https://govoracleapps.files.wordpress.com/2013/12/118.jpg>)

- Select report format as **Table**



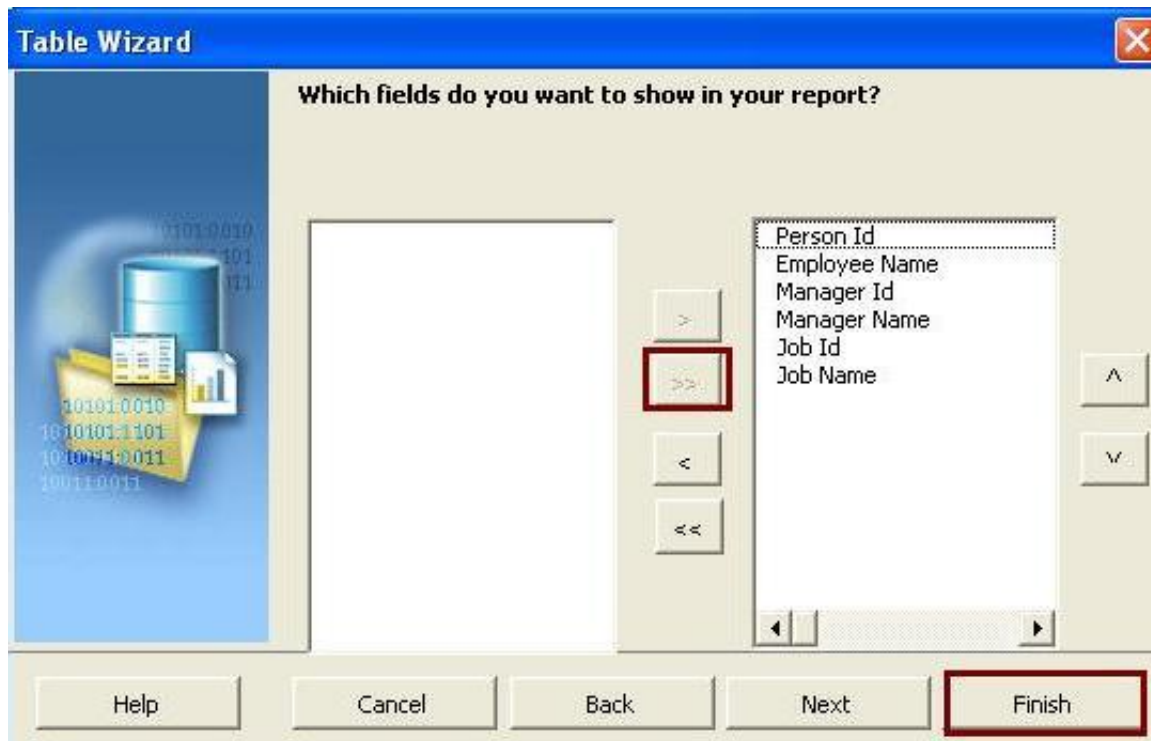
(<https://govoracleapps.files.wordpress.com/2013/12/124.jpg>)

- Since we are having only one group that defaults. If multiple group are there in your data definition select the group.



(<https://govoracleapps.files.wordpress.com/2013/12/134.jpg>)

- Select all the fields and click finish button. (If sorting needs to be done, click next button instead of finish and do the settings).



(<https://govoracleapps.files.wordpress.com/2013/12/144.jpg>)

Below is the report format. Save the document as RTF file (Rich Text Format)

Employee Supervisor Report					
Person Id	Employee Name	Manager Id	Manager Name	Job Id	Job Name
F PERSON_ID	EMPLOYEE_NAME	MANAGER_ID	MANAGER_NAME	JOB_ID	JOB_NAME E

(<https://govoracleapps.files.wordpress.com/2013/12/154.jpg>)

7. Navigate to XML Publisher Administrator->Home->Templates and click on Create Template button.

Assign the Data Definition template which we created in step 4 to this template and set **Output type as PDF**. Also Set the **type as RTF** and assign the RTF file created in previous step. Create the Template as below and Apply.

Templates | Data Definitions | Administration

Templates >

Create Template

Start Date and End Date define when the Template is active. The Name can be translated while the Code is identical for all languages.

Cancel Apply

General

* Name: GOV_TEST_TEMPLATE

* Application: Application Object Library

* Type: RTF

* Code: GOV_TEST_TEMPLATE

* Data Definition: Supervisor Hierarchy Report

* Start Date: 25-Dec-2013

End Date:

Subtemplate: No

Default Output Type: PDF

Description:

Template File

* File: E:\ST\GOV_TEST_TEMP.rtf

* Language: English

Territory: United States

☐ Translatable

(<https://govoracleapps.files.wordpress.com/2013/12/164.jpg>)

Templates | Data Definitions | Administration

Templates >

View Template: GOV_TEST_TEMPLATE

General

Name: GOV_TEST_TEMPLATE

Application: Application Object Library

Type: RTF

Default File: GOV_TEST_TEMP.rtf

Default File Language: English

Default File Territory: United States

Code: GOV_TEST_TEMPLATE

Data Definition: GOV Supervisor Hierarchy Report

Start Date: 25-Dec-2013

End Date:

Subtemplate: No

Default Output Type: PDF

Description:

Update Edit Configuration

Template Files

Preview Format: PDF

Add File

Localized Templates

File Name	Language	Territory	Preview	Download	Update	Delete
GOV_TEST_TEMP.rtf	English	United States				

(<https://govoracleapps.files.wordpress.com/2013/12/174.jpg>)

8. Navigate to System Administrator->Concurrent->Requests and once again submit the newly created concurrent program. Now if you click the output we can see the report which we created.

Employee Supervisor Report					
Person Id	Employee Name	Manager Id	Manager Name	Job Id	Job Name
31441	EMPLOYEE, GOV_TEST	31440	SUPERVISOR, GOV_TEST	34934	EMPLOY.
31440	SUPERVISOR, GOV_TEST	31439	MANAGER, GOV_TEST	34936	SUPERV.
31439	MANAGER, GOV_TEST	31438	DIRECTOR, GOV_TEST	34938	MANAGE.
31438	DIRECTOR, GOV_TEST			34940	DIRECT.

(<https://govoracleapps.files.wordpress.com/2013/12/173.jpg>)

Note:

To install BI publisher desktop download the Patch# 5887917

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