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**Qagent & Report generation USer MAnual FOR ORACLE FUSION CLOUD**

**INDEX**

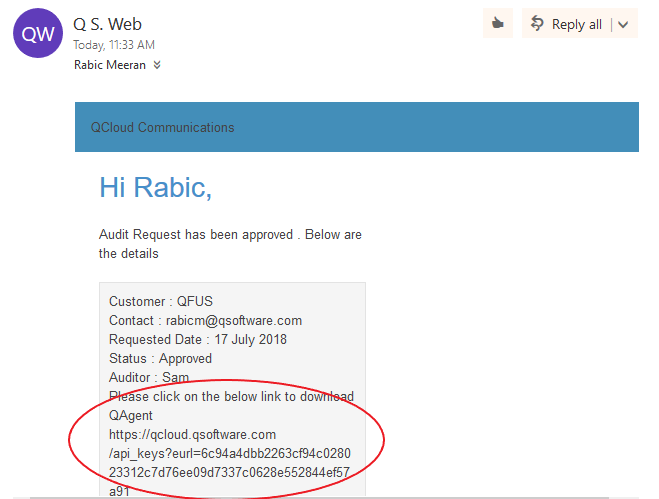
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# **1. I****ntroduction**

This document will help QCloud tenants to setup and configure QAgent to run an audit for Oracle Fusion Cloud.

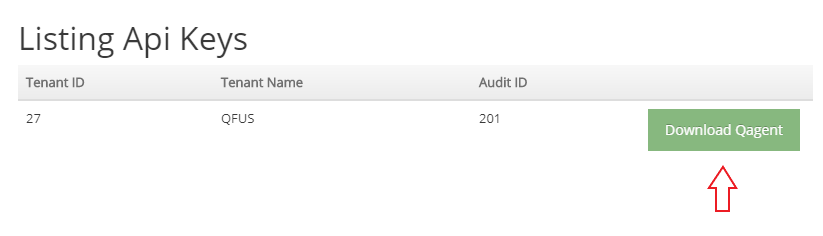
**2.** **Downloading QAgent & Uploading Data**

Once the sales user of QSoftware approves the audit, the customer (whose email was specified in the Audit Request Form) will receive an email notification as below.

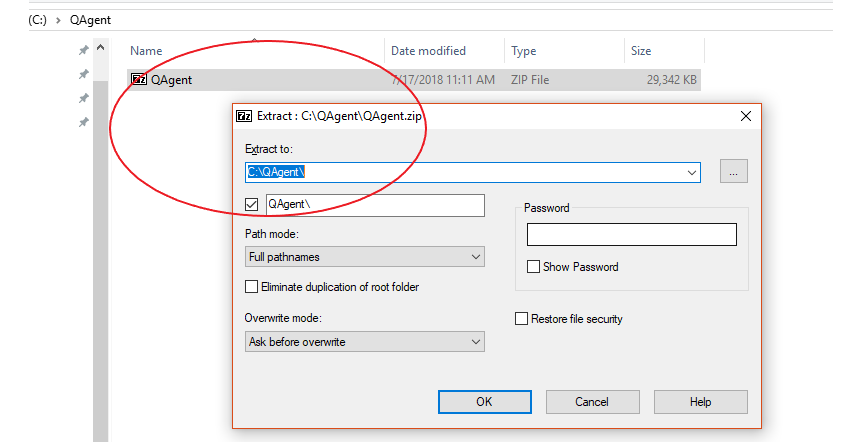


Step 1: Click on the highlighted link in the mail to download the QAgent

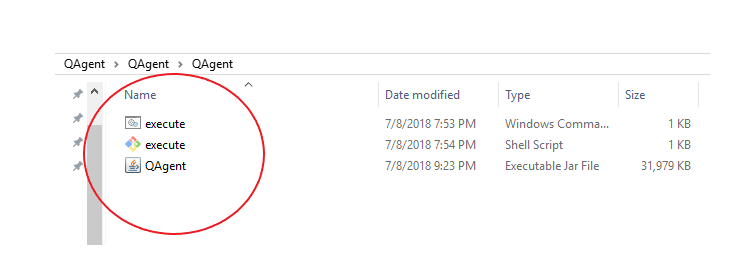
Step 2: You will be able to view the button ‘Download QAgent’ as shown below. Click on the button to download the QAgent.



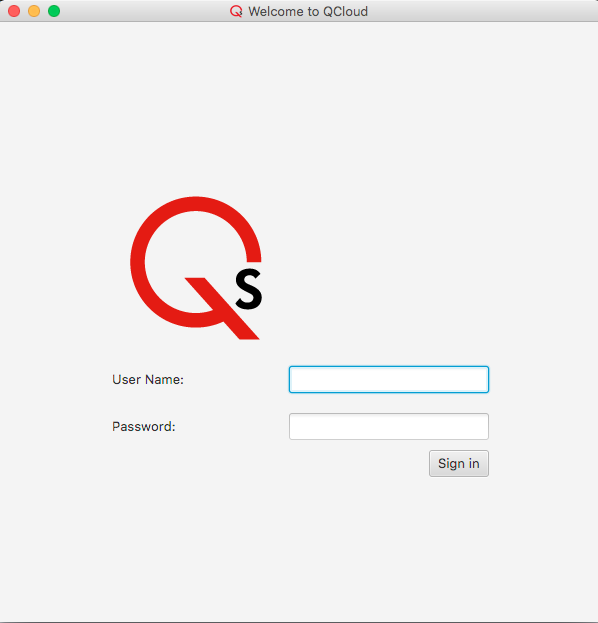
Step 3: Once the QAgent is downloaded, unzip the QAgent.zip file



Step 4: After extracting the Qagent.zip, double click on execute.cmd



Step 5 : The Qagent UI will open.



Step 6 : Enter the QCloud User Credentials and click on “Sign in”

The Oracle fusion audit expect two files to be available in the location where the QAgent is launched. And the file name should be in the name as below

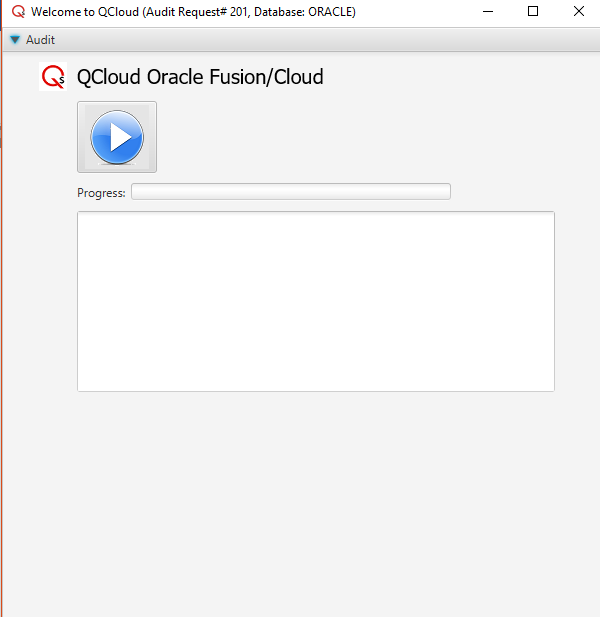
-ALLUSERROLES.CSV

-ALLROLES.CSV

These files should be generated and available in the location of QAgent before launching the QAgent.

The steps to generate the files are mentioned in the Appendix -A. Once the files are ready continue to step7.

Step 7 : Click on the Run button to start the audit

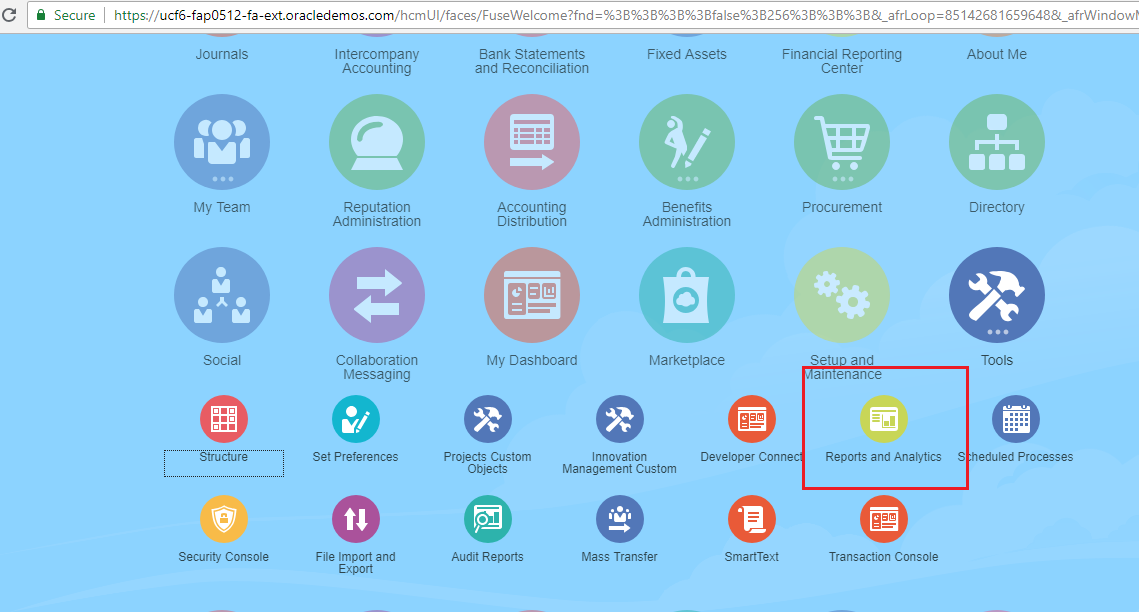


Once the upload of data is complete, the progress bar will show 100 % & an appropriate message indicating that the QSG file was uploaded into S3 will be shown.

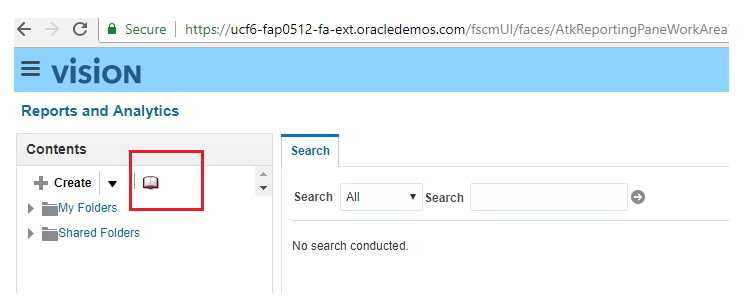
**3. Adding remote SFTP server in OBI**

**Configuring remote SFTP server in BIP**

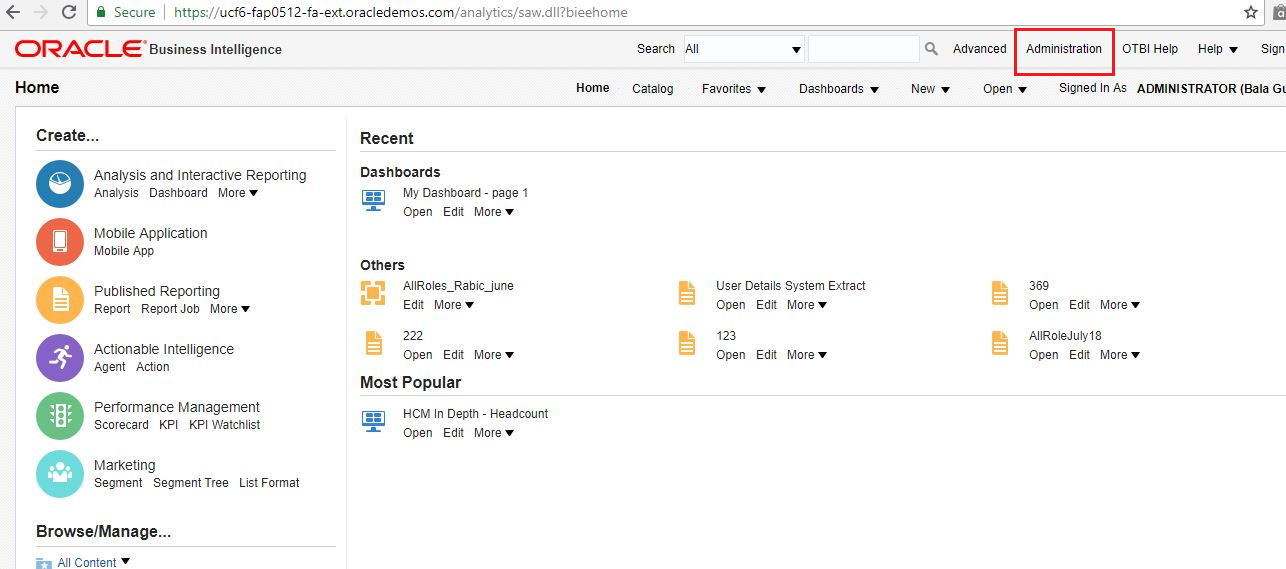
Step 1 : **Click on Tools -> Reports and Analytics**



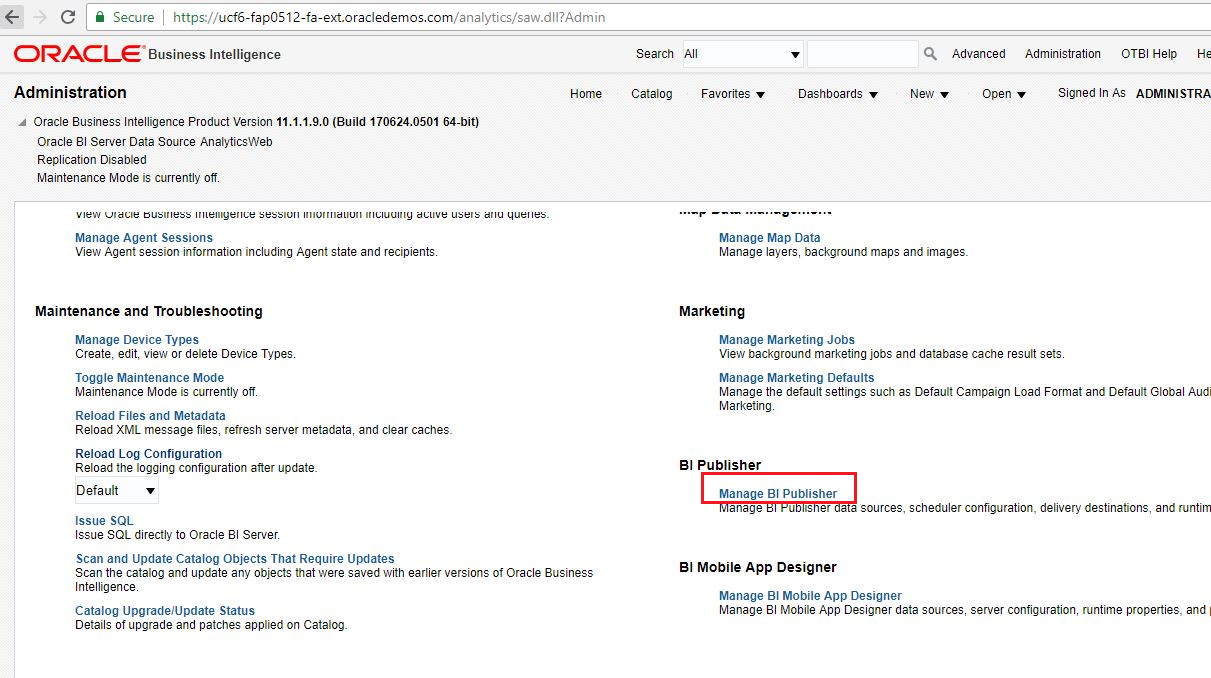
Step 2 : Click the ‘**Browse Catalog**’ icon



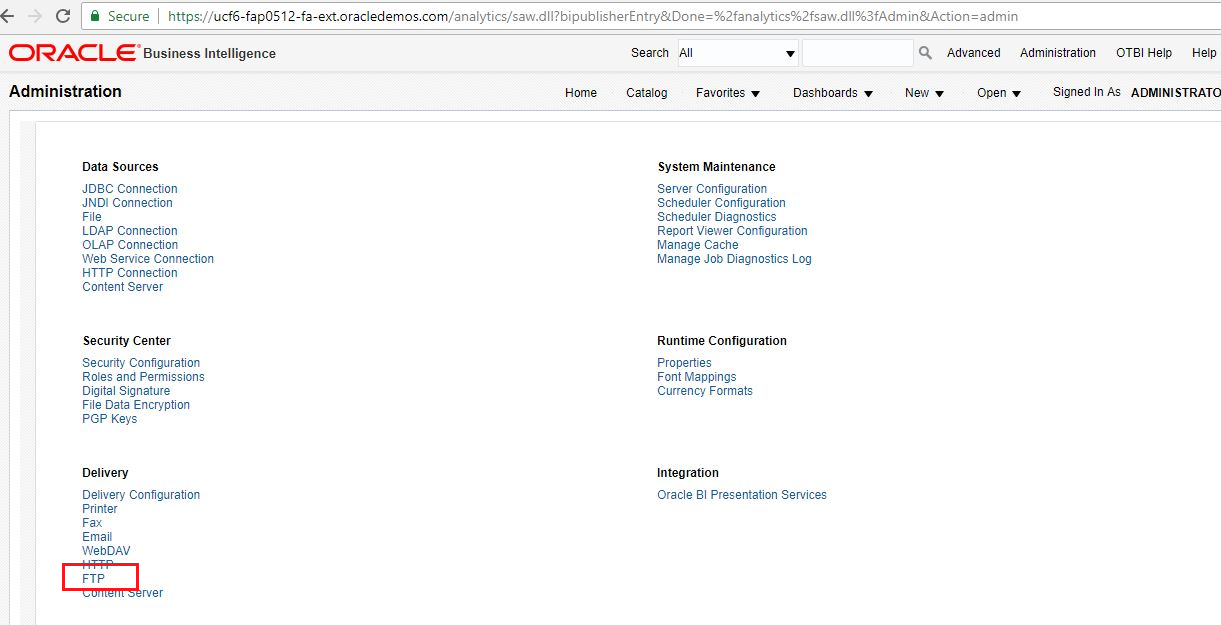
Step 3 : This will open Oracle Business Intelligence home page. In this, Go to **Administration**



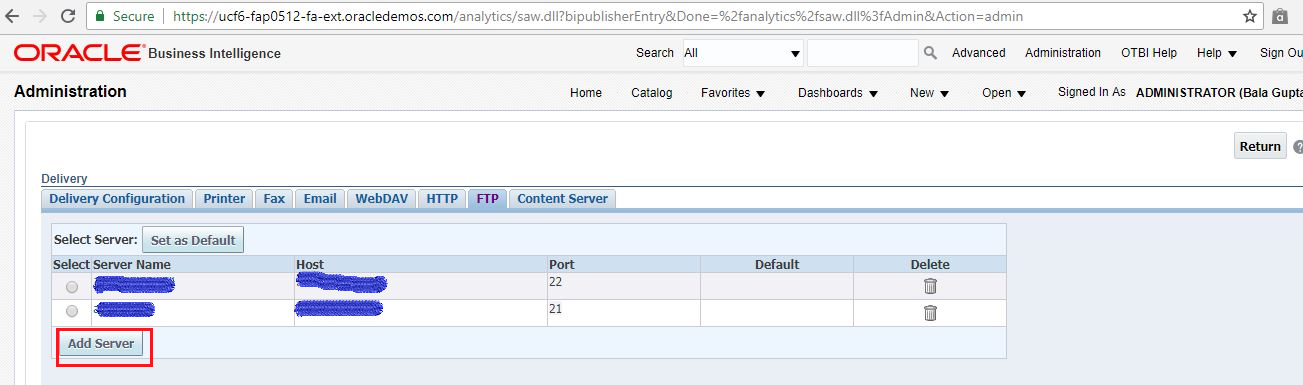
Step 4 : **BI Publisher -> Mange BI Publisher**



Step 5 : **Delivery -> FTP**



Step 6 : Add Server



Step 7 :

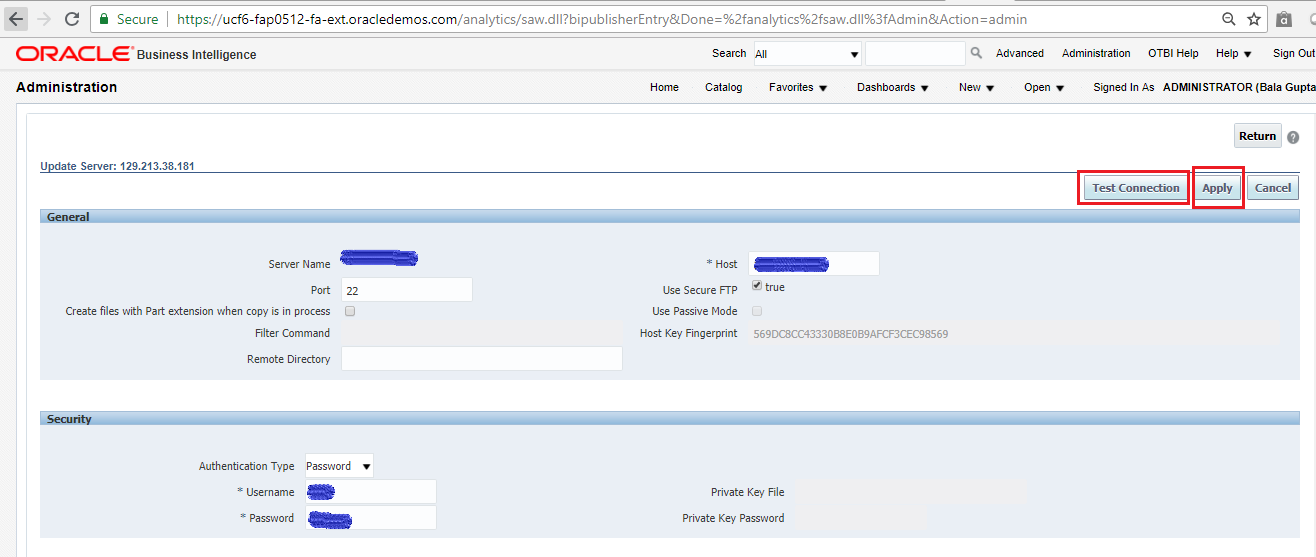
Enter the details like Server Name, Host IP

Port should be always 22 and select, Use Secure FRP to **‘true’**

Enter Username and Password

Step 8 :

Once entered all the required details click **‘Test Connection’** to verify the connection to SFTP server works fine., and click ‘**Apply’** to save the changes.



If the test connection fails and facing any difficulties setting-up the ftp server please check the oracle document in oracle support page “Fusion Applications BI Publisher : How to request an external SFTP Port in order to deliver BI Publisher reports to an external SFTP server (Doc ID 1924562.1)”

**4. Firewall access for QAgent**

QAgent would need access to the following sites for the Oracle Fusion Clould Customer Data to be processed successfully.

1. qcloud.qsoftware.com
2. qsoft.qcloud.audit-file.s3-us-east-1.amazonaws.com
3. qsoft.qcloud.audit-file.s3.amazonaws.com

**5. Generating the ALLROLES.CSV file**

The details to generate ALLROLES.CSV file required for the audit is given in the following**.**

**Using BIP by creating custom data-model and report**

Check the video ‘fusion\_cloud-How to add sftp server and create report using custom datamodel’

**Query to generate ALLROLES\_(APP NAME).CSV.**

Select distinct role\_b.CODE ROLE\_NAME,

rolevl\_c.ROLE\_NAME ROLE\_DISPLAY\_NAME,

rolevl\_c.DESCRIPTION ROLE\_DESCRIPTION,

app\_b.App\_Name APPLICATION\_NAME,

CAST (NVL2(rolevl\_c.ROLE\_NAME, role\_b.CODE || '(' || rolevl\_c.ROLE\_NAME || ')', role\_b.CODE) AS VARCHAR2(2)) INHERITED\_ROLE\_HIERARCHY,

role\_b.CODE INHERITED\_ROLE\_NAME,

rolevl\_c.ROLE\_NAME INHERITED\_ROLE\_DISPLAY\_NAME,

rolevl\_c.DESCRIPTION INHERITED\_ROLE\_DESCRIPTION,

role\_b.ROLE\_TYPE\_CODE INHERITED\_ROLE\_CATEGORY,

NVL(ase\_p\_vl.CODE, 'NO DATA AVAILABLE') as ENTITLEMENT,

NVL(ase\_p\_vl.NAME, 'NO DATA AVAILABLE') as ENTITLEMENT\_DISPLAY\_NAME,

NVL(ase\_p\_vl.DESCRIPTION, 'NO DATA AVAILABLE') as ENTITLEMENT\_DECSRIPTION

From fusion.ase\_role\_b role\_b

join fusion.ase\_priv\_role\_mbr ase\_priv\_role\_mbr on role\_b.ROLE\_ID = ase\_priv\_role\_mbr.ROLE\_ID

left join fusion.ase\_role\_role\_mbr rolembr on ase\_priv\_role\_mbr.ROLE\_ID = rolembr.CHILD\_ROLE\_ID

left join fusion.ase\_privilege\_vl ase\_p\_vl on ase\_priv\_role\_mbr.PRIVILEGE\_ID = ase\_p\_vl.PRIVILEGE\_ID

left join fusion.ase\_role\_vl rolevl\_c on (role\_b.CODE = rolevl\_c.CODE and rolevl\_c.APP\_ID = '1')

left join fusion.ase\_application\_b app\_b on (rolevl\_c.App\_Id = app\_b.App\_Id and app\_b.App\_Id = '1')

where role\_b.App\_Id = '1'

UNION

select \* from (

Select roleb\_c.CODE ROLE\_NAME,

rolevl\_c.ROLE\_NAME ROLE\_DISPLAY\_NAME,

rolevl\_c.DESCRIPTION ROLE\_DESCRIPTION,

app\_b\_c.App\_Name APPLICATION\_NAME,

Sys\_Connect\_By\_Path( NVL2(rolevl\_c.ROLE\_NAME, roleb\_c.CODE || '(' || rolevl\_c.ROLE\_NAME || ')', roleb\_c.CODE), ' -> ') || ' -> '||

NVL2(rolevl\_p.ROLE\_NAME, roleb\_p.CODE || '(' || rolevl\_p.ROLE\_NAME || ')', roleb\_p.CODE) INHERITED\_ROLE\_HIERARCHY,

roleb\_p.CODE INHERITED\_ROLE\_NAME,

rolevl\_p.ROLE\_NAME INHERITED\_ROLE\_DISPLAY\_NAME,

rolevl\_p.DESCRIPTION INHERITED\_ROLE\_DESCRIPTION,

roleb\_p.ROLE\_TYPE\_CODE INHERITED\_ROLE\_CATEGORY,

NVL(ase\_p\_vl.CODE, 'NO DATA AVAILABLE') as ENTITLEMENT,

NVL(ase\_p\_vl.NAME, 'NO DATA AVAILABLE') as ENTITLEMENT\_DISPLAY\_NAME,

NVL(ase\_p\_vl.DESCRIPTION, 'NO DATA AVAILABLE') as ENTITLEMENT\_DECSRIPTION

From fusion.ase\_role\_role\_mbr mbr

join fusion.ase\_role\_b roleb\_p on (mbr.PARENT\_ROLE\_ID = roleb\_p.ROLE\_ID and roleb\_p.app\_id = '1')

join fusion.ase\_role\_b roleb\_c on (mbr.CHILD\_ROLE\_ID = roleb\_c.ROLE\_ID and roleb\_c.app\_id = '1')

left join fusion.ase\_role\_vl rolevl\_c on (roleb\_c.CODE = rolevl\_c.CODE and rolevl\_c.APP\_ID = '1')

left join fusion.ase\_role\_vl rolevl\_p on (roleb\_p.CODE = rolevl\_p.CODE and rolevl\_p.APP\_ID = '1')

left join fusion.ase\_application\_b app\_b\_c on (rolevl\_c.App\_Id = app\_b\_c.App\_Id and app\_b\_c.App\_Id = '1')

left join fusion.ase\_application\_b app\_b\_p on (rolevl\_p.App\_Id = app\_b\_p.App\_Id and app\_b\_p.App\_Id = '1')

left join fusion.ase\_priv\_role\_mbr ase\_priv\_role\_mbr on roleb\_p.ROLE\_ID = ase\_priv\_role\_mbr.ROLE\_ID

left join fusion.ase\_privilege\_vl ase\_p\_vl on ase\_priv\_role\_mbr.PRIVILEGE\_ID = ase\_p\_vl.PRIVILEGE\_ID

Start With app\_b\_p.App\_Id = '1'

Connect By NOCYCLE Prior mbr.PARENT\_ROLE\_ID = mbr.CHILD\_ROLE\_ID and roleb\_p.app\_id = '1'

Order Siblings By roleb\_c.CODE, roleb\_p.CODE)

Here the app\_id = 1 is for the application HCM (Fusion Human Capital Management)

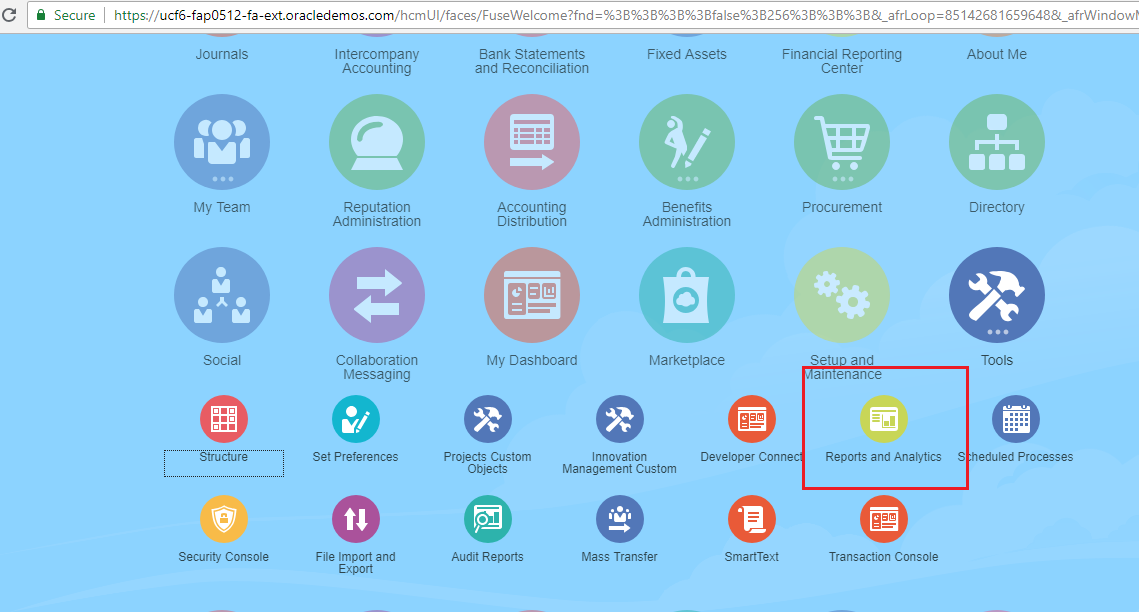
**For example,**

**APP NAME should be given as ALLROLES\_HCM.CSV.**

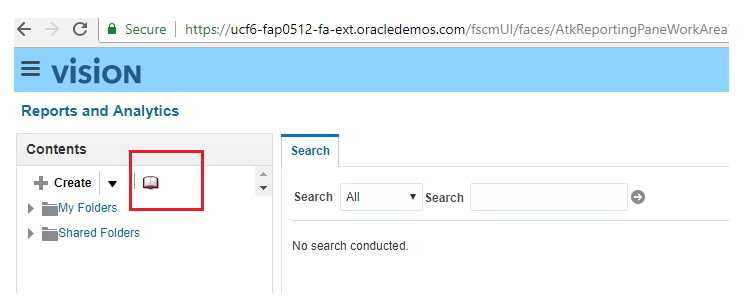
**6. Generating the ALLUSERROLES.CSV file**

The details to generate ALLROLES.CSV file required for the audit is given in the following**.**

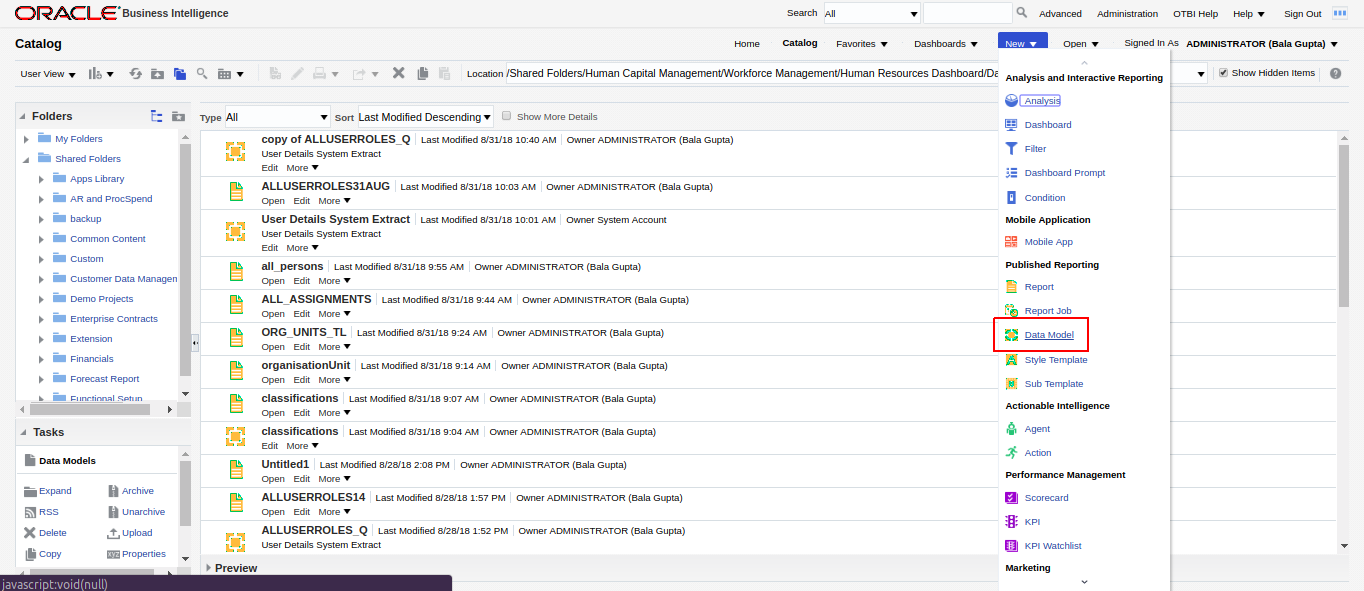
Step 1 : In the oracle fusion application home page, goto **Tools -> Reports and Analytics**



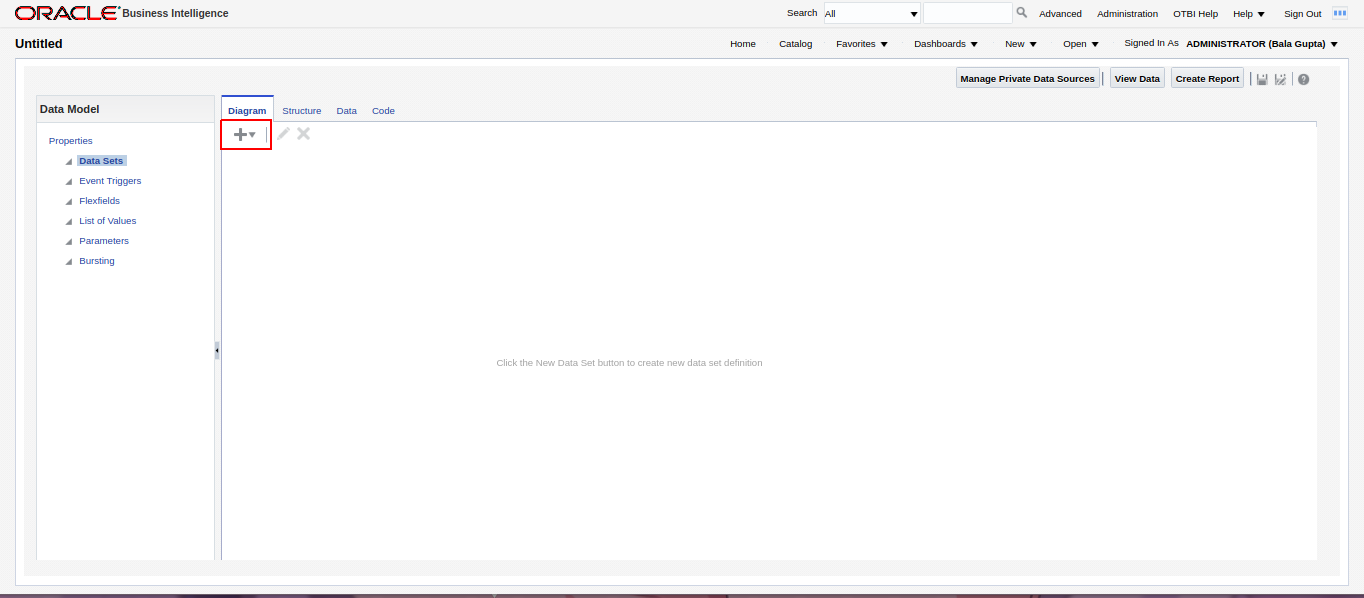
Step 2 : Click the **‘Browse Catalog**’ icon



Step 3 : Click on **New → Data Model.**



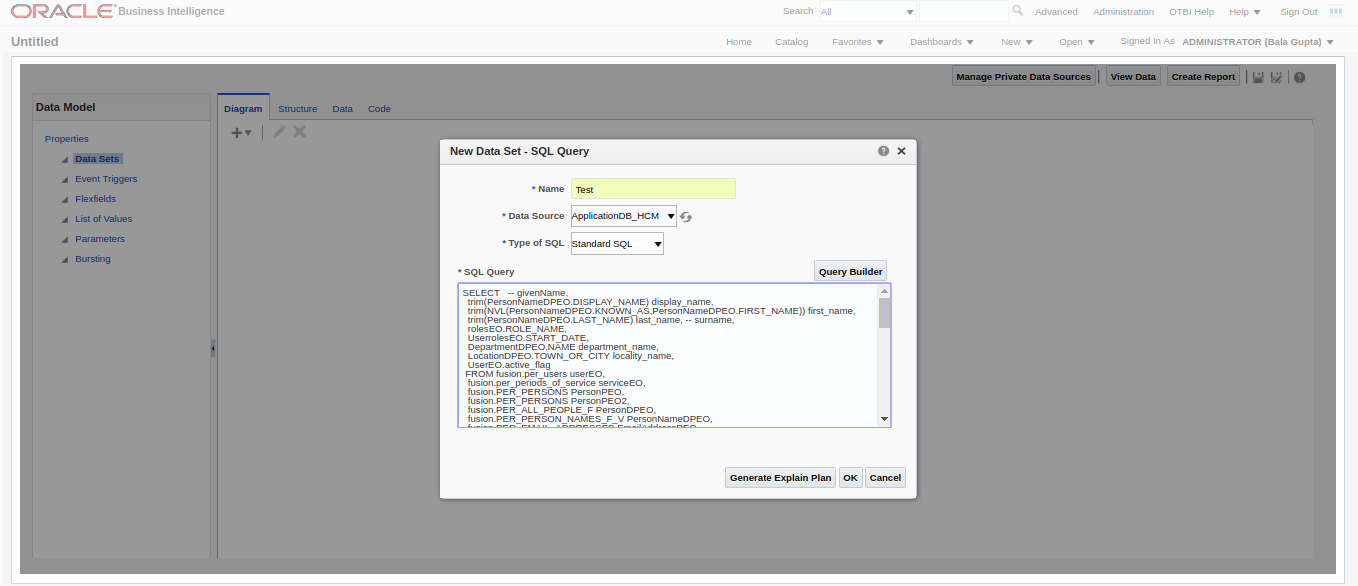
Click on New **Data set → SQL query**.



Give a name.

Select **ApplicationDB\_HCM** as datasource.

Select **Standard SQL** as Type of SQL.



Step 4 : Now Paste the following query in SQL query section as shown in the image above.

SELECT -- givenName,

trim(PersonNameDPEO.DISPLAY\_NAME) display\_name,

trim(NVL(PersonNameDPEO.KNOWN\_AS,PersonNameDPEO.FIRST\_NAME)) first\_name,

trim(PersonNameDPEO.LAST\_NAME) last\_name, -- surname,

rolesEO.ROLE\_NAME,

UserrolesEO.START\_DATE,

DepartmentDPEO.NAME department\_name,

LocationDPEO.TOWN\_OR\_CITY locality\_name,

UserEO.active\_flag

FROM fusion.per\_users userEO,

fusion.per\_periods\_of\_service serviceEO,

fusion.PER\_PERSONS PersonPEO,

fusion.PER\_PERSONS PersonPEO2,

fusion.PER\_ALL\_PEOPLE\_F PersonDPEO,

fusion.PER\_PERSON\_NAMES\_F\_V PersonNameDPEO,

fusion.PER\_EMAIL\_ADDRESSES EmailAddressPEO,

fusion.PER\_DISPLAY\_PHONES\_V PhonePEO,

fusion.PER\_DISPLAY\_PHONES\_V FaxPEO,

fusion.PER\_ALL\_ASSIGNMENTS\_M AssignmentDPEO,

fusion.PER\_ASSIGNMENT\_SUPERVISORS\_F AssignmentSupervisorDPEO,

fusion.PER\_DEPARTMENTS DepartmentDPEO,

fusion.hr\_all\_organization\_units\_vl business\_unit,

fusion.HR\_LOCATIONS\_ALL\_F\_VL LocationDPEO,

fusion.PER\_JOBS\_F\_VL JobDPEO,

fusion.PER\_PERSON\_TYPES\_VL PersonTypePEO,

fusion.PER\_ADDRESSES\_F AddressDPEO,

fusion.PER\_user\_roles userrolesEO,

fusion.PER\_ROLES\_DN\_VL rolesEO

WHERE AssignmentDPEO.ASSIGNMENT\_ID = AssignmentSupervisorDPEO.ASSIGNMENT\_ID(+)

AND serviceeo.period\_of\_service\_id = assignmentdpeo.period\_of\_service\_id

AND AssignmentDPEO.business\_unit\_id = business\_unit.organization\_id

AND userEO.user\_id = userrolesEO.user\_id

AND userrolesEO.role\_id = rolesEO.role\_id

AND AssignmentSupervisorDPEO.MANAGER\_ID = PersonPEO2.person\_id(+)

AND AssignmentSupervisorDPEO.primary\_flag(+) = 'Y'

AND AssignmentDPEO.primary\_flag = 'Y'

AND AssignmentDPEO.ORGANIZATION\_ID = DepartmentDPEO.ORGANIZATION\_ID(+)

AND LocationDPEO.location\_id(+) = AssignmentDPEO.location\_id

AND AddressDPEO.address\_id(+) = LocationDPEO.address\_id

AND JobDPEO.job\_id(+) = AssignmentDPEO.job\_id

AND PersonTypePEO.person\_type\_id = AssignmentDPEO.person\_type\_id

AND AssignmentDPEO.effective\_latest\_change = 'Y'

AND PersonDPEO.PERSON\_ID = PersonPEO.PERSON\_ID

AND PersonPEO.PERSON\_ID = PersonNameDPEO.PERSON\_ID

AND PersonNameDPEO.name\_type = 'GLOBAL'

AND PersonDPEO.PRIMARY\_EMAIL\_ID = EmailAddressPEO.email\_address\_id(+)

AND EmailAddressPEO.email\_type(+) = 'W1'

AND PersonPEO.PERSON\_ID = FaxPEO.PERSON\_ID(+)

AND FaxPEO.phone\_type(+) = 'WF'

AND PersonPEO.PERSON\_ID = PhonePEO.PERSON\_ID(+)

AND PhonePEO.phone\_type(+) = 'W1'

AND (FaxPEO.Date\_from =

(SELECT MAX(pff.date\_from)

FROM fusion.per\_phones pff

WHERE pff.phone\_id = FaxPEO.Phone\_Id

AND pff.date\_from <= TRUNC(sysdate)

)

OR FaxPEO.Date\_from IS NULL)

AND (PhonePEO.Date\_from =

(SELECT MAX(pff.date\_from)

FROM fusion.per\_phones pff

WHERE pff.phone\_id = PhonePEO.Phone\_Id

AND pff.date\_from <= TRUNC(sysdate)

)

OR PhonePEO.Date\_from IS NULL)

AND userEO.person\_id = personPEO.person\_id

AND personPEO.person\_id = AssignmentDPEO.person\_id

AND TRUNC(sysdate) BETWEEN persondpeo.effective\_start\_date AND persondpeo.effective\_end\_date

AND TRUNC(sysdate) BETWEEN AssignmentDPEO.effective\_start\_date AND AssignmentDPEO.effective\_end\_date

AND TRUNC(sysdate) BETWEEN PersonNameDPEO.effective\_start\_date AND PersonNameDPEO.effective\_end\_date

AND TRUNC(sysdate) BETWEEN AssignmentSupervisorDPEO.effective\_start\_date(+) AND AssignmentSupervisorDPEO.effective\_end\_date(+)

AND TRUNC(sysdate) BETWEEN LocationDPEO.effective\_start\_date(+) AND LocationDPEO.effective\_end\_date(+)

AND TRUNC(sysdate) BETWEEN JobDPEO.effective\_start\_date(+) AND JobDPEO.effective\_end\_date(+)

and trunc(sysdate) between addressdpeo.effective\_start\_date(+) and addressdpeo.effective\_end\_date(+)

and assignmentdpeo.assignment\_type in ('E','C','P')

and ((:From\_Date is not null

and trunc(PersonPEO.start\_date)>=:From\_Date)

and

((:To\_Date is not null

and trunc(PersonPEO.start\_date)<=:To\_Date)

or(:To\_Date is null and trunc(PersonPEO.start\_date)<=trunc(sysdate))))

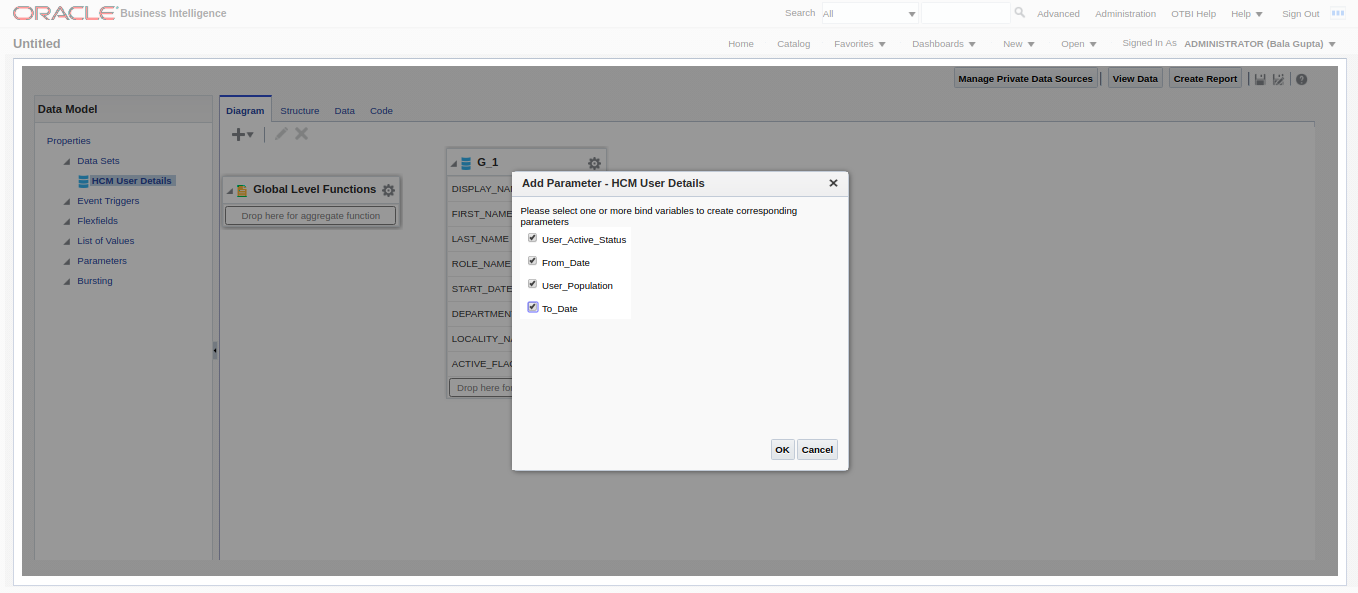
and ((:User\_Active\_Status='Y' and UserEO.active\_flag='Y')

or (:User\_Active\_Status='N' and UserEO.active\_flag='N') or (:User\_Active\_Status='ALL'))

and ((:User\_Population='ALL') or (:User\_Population='HCM') or (:User\_Population='ALL-LDAP'))

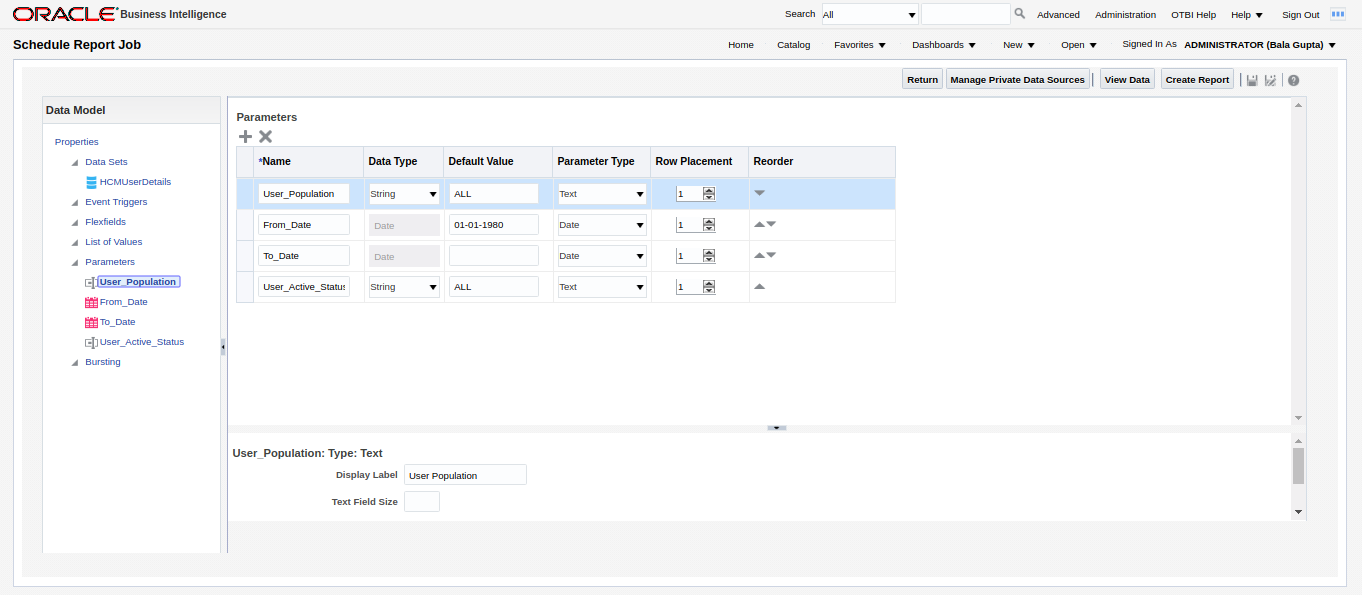
Click Ok after pasting the query.

Step 5 : Now check all 4 check boxes.



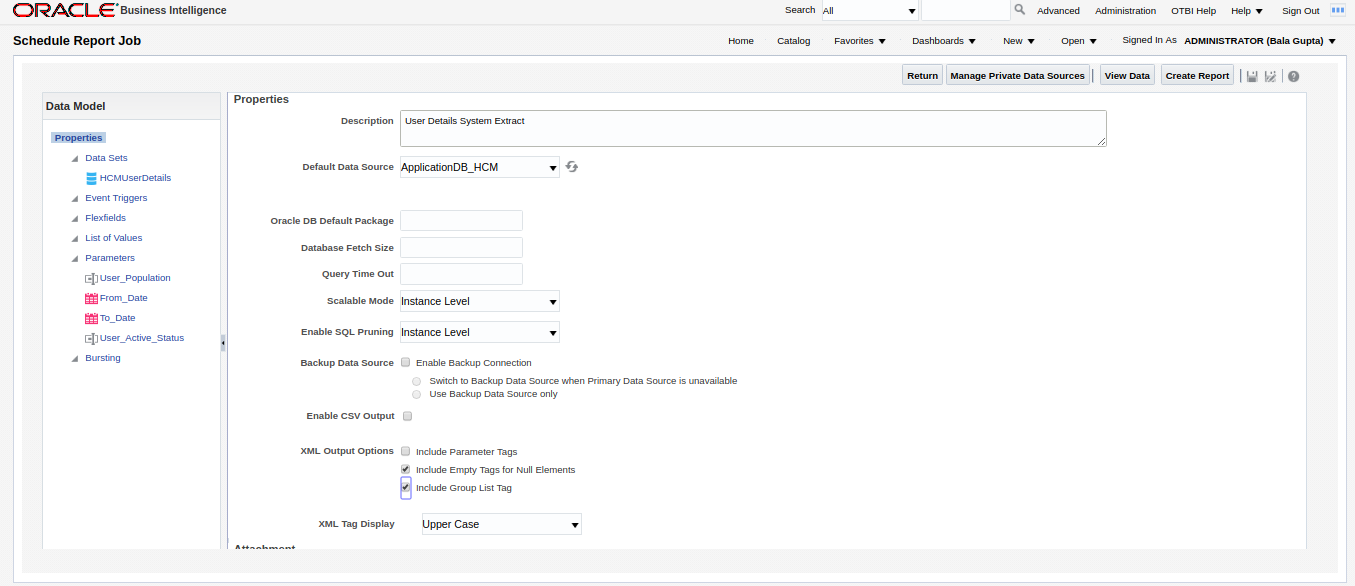
Fill the details as shown in the image below.

Order should also be same as in the image below.



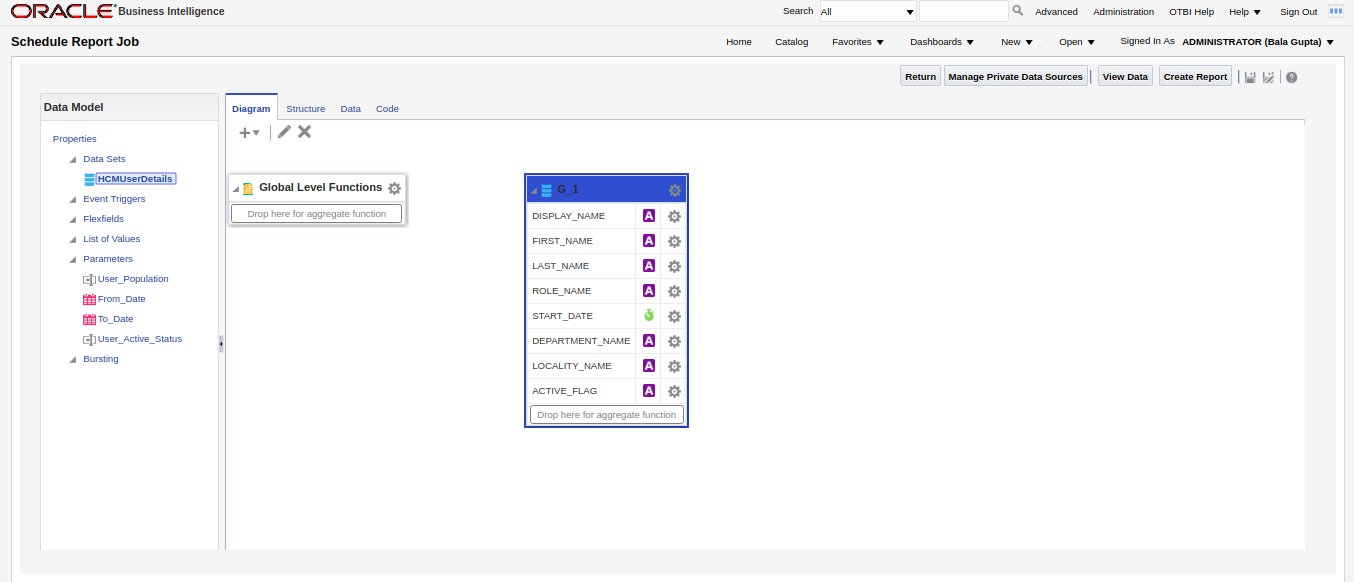
Step 6 : Click on **Properties** under Data Model.

Uncheck all 3 optionsunder **XML output options**.



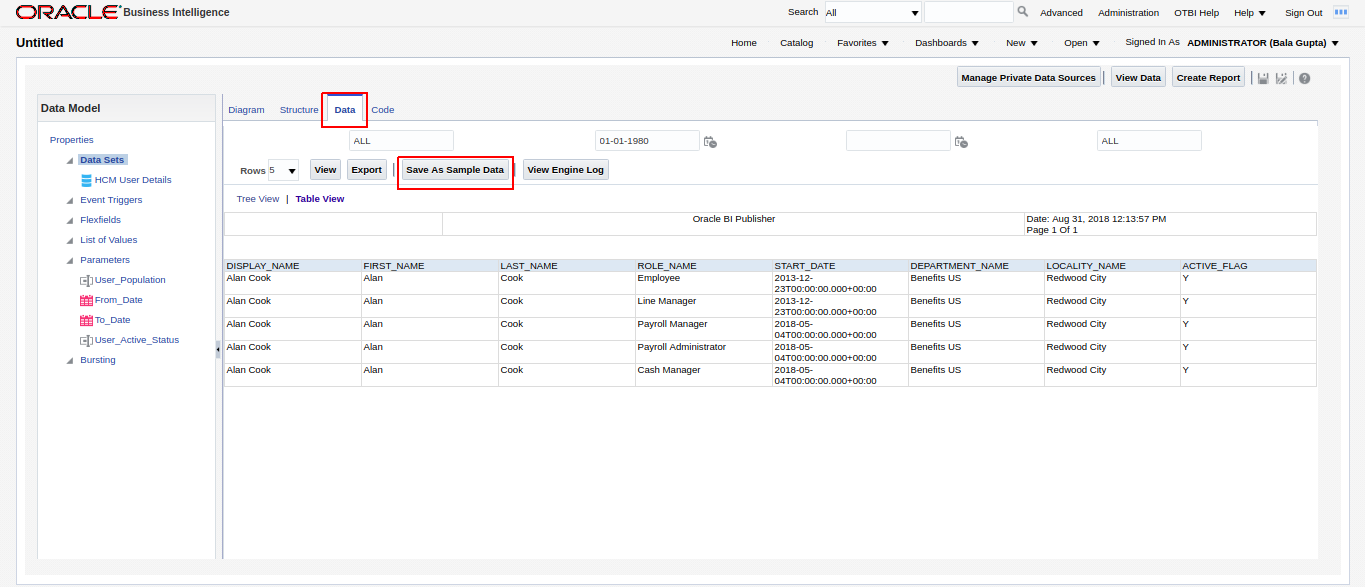
Step 7 : Click on **HCM User Details** under Data Model.

Arrange the rows in the order shown in the image below. (Drag and move the rows up and down)



Step 9 : Click on **Data** tab.

Click on **View.**

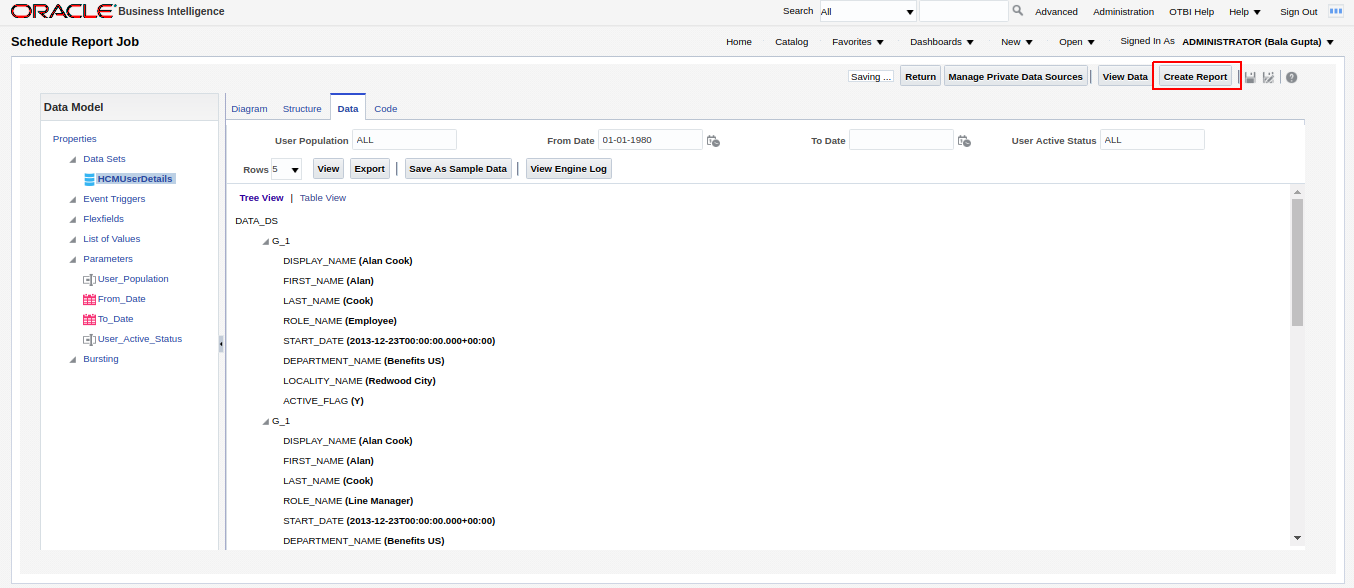
****

Step 10 : Click on **Save as sample Data.** Click Ok

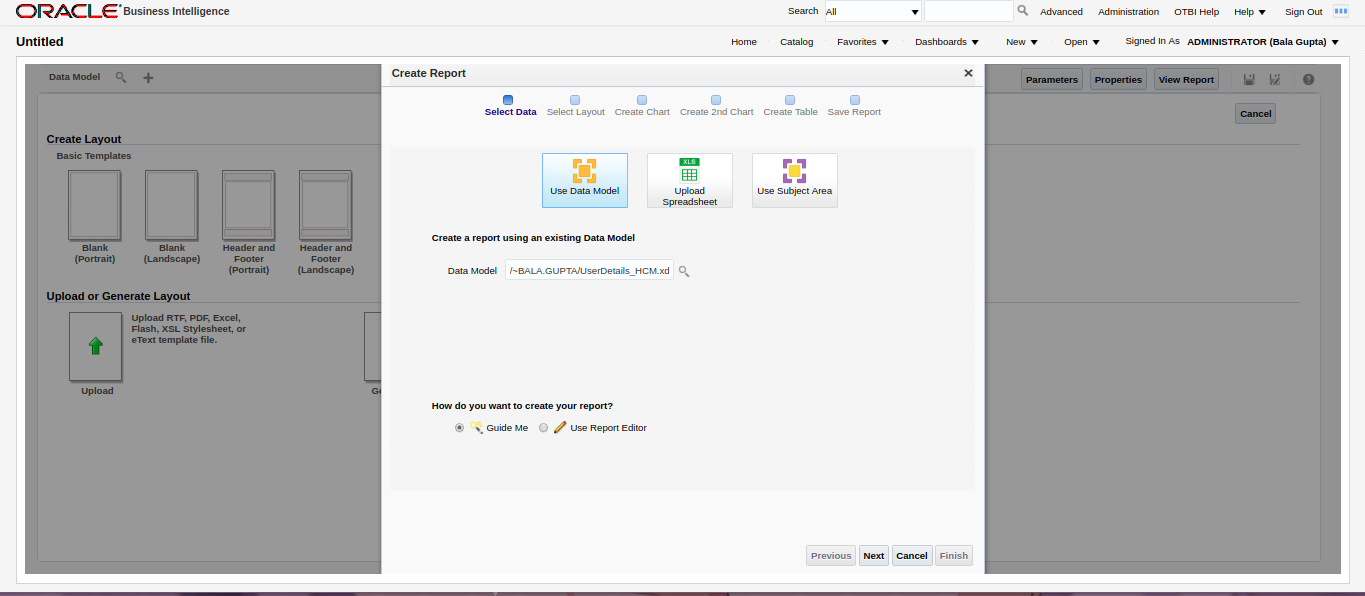
Click **Save**.

Give a name.

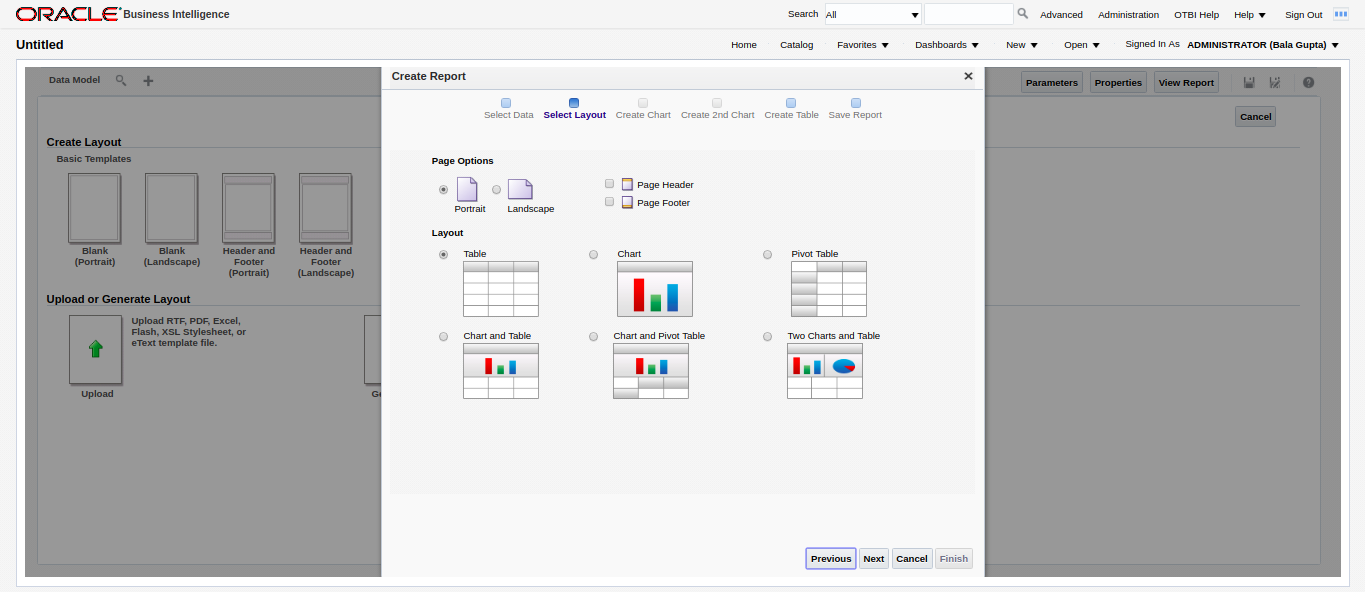
Step 11 : Click **Create Report.**

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Step 12 : Click **Next.**



Click **Next.**



Drag and drop the items to form a table in a specific order that is shown in the image below.

DISPLAY\_NAME

FIRST\_NAME

LAST\_NAME

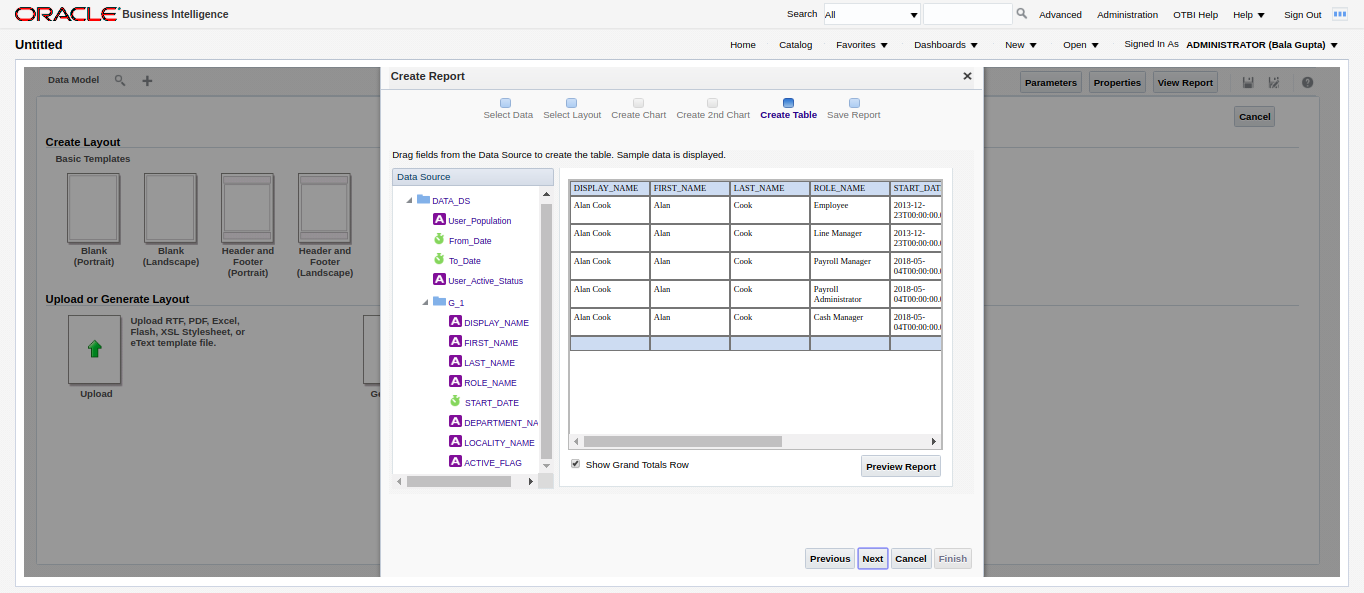
ROLE\_NAME

START\_DATE

DEPARTMENT\_NAME

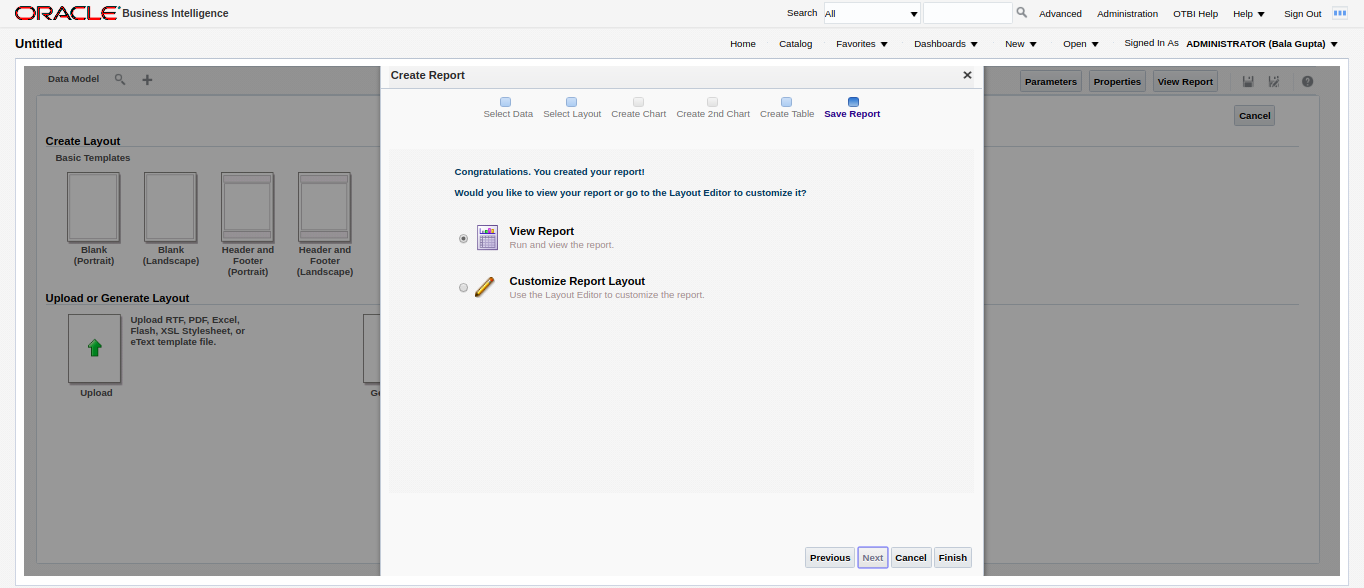
LOCALITY\_NAME

ACTIVE\_FLAG

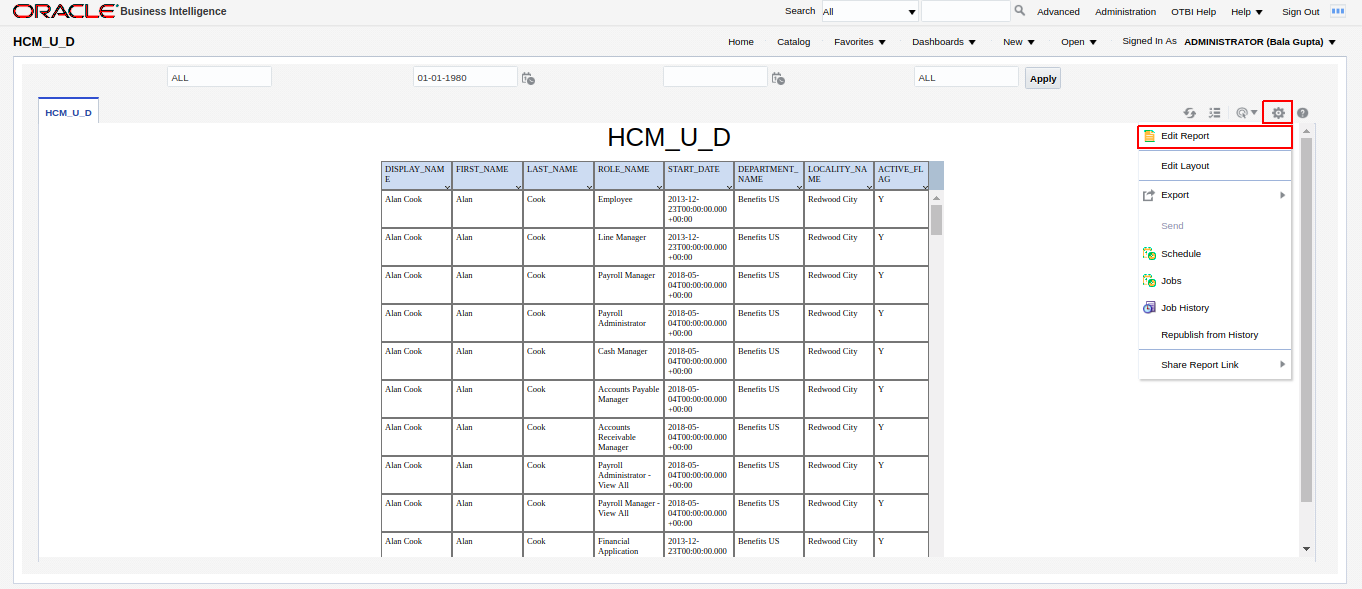


Click **Next.**

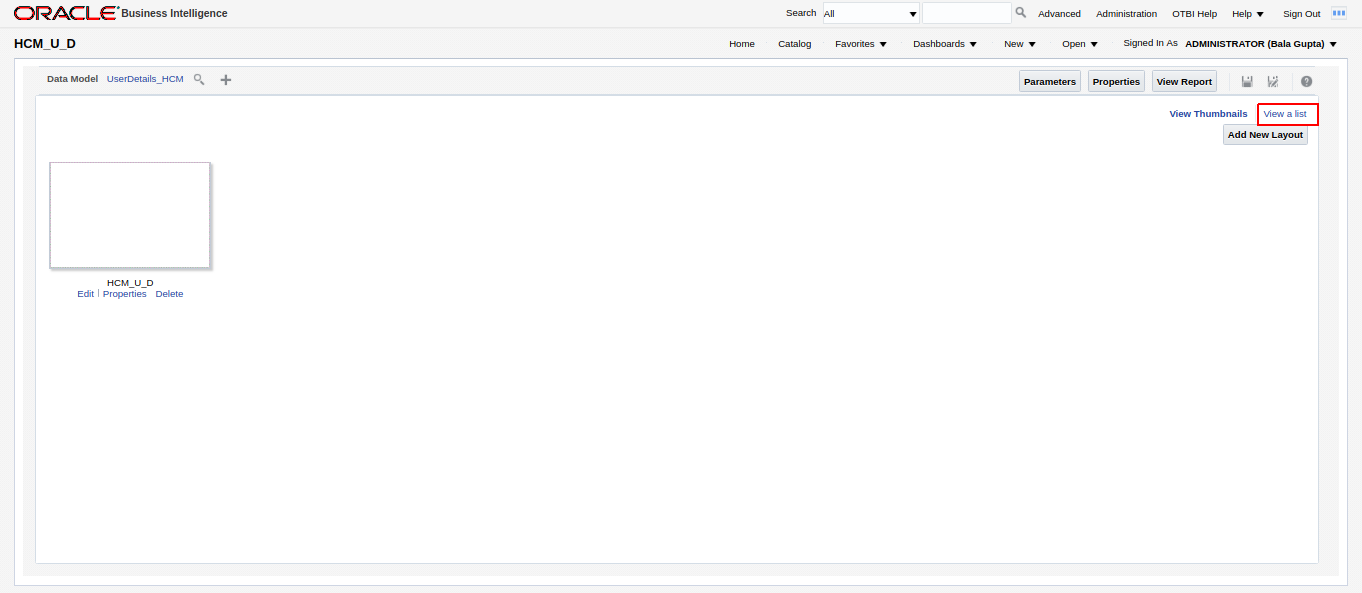
Click **Finish**. Give the name as **ALLUSERROLES**. Click **Ok**.



Step 13 : Click **Actions → Edit Report**.

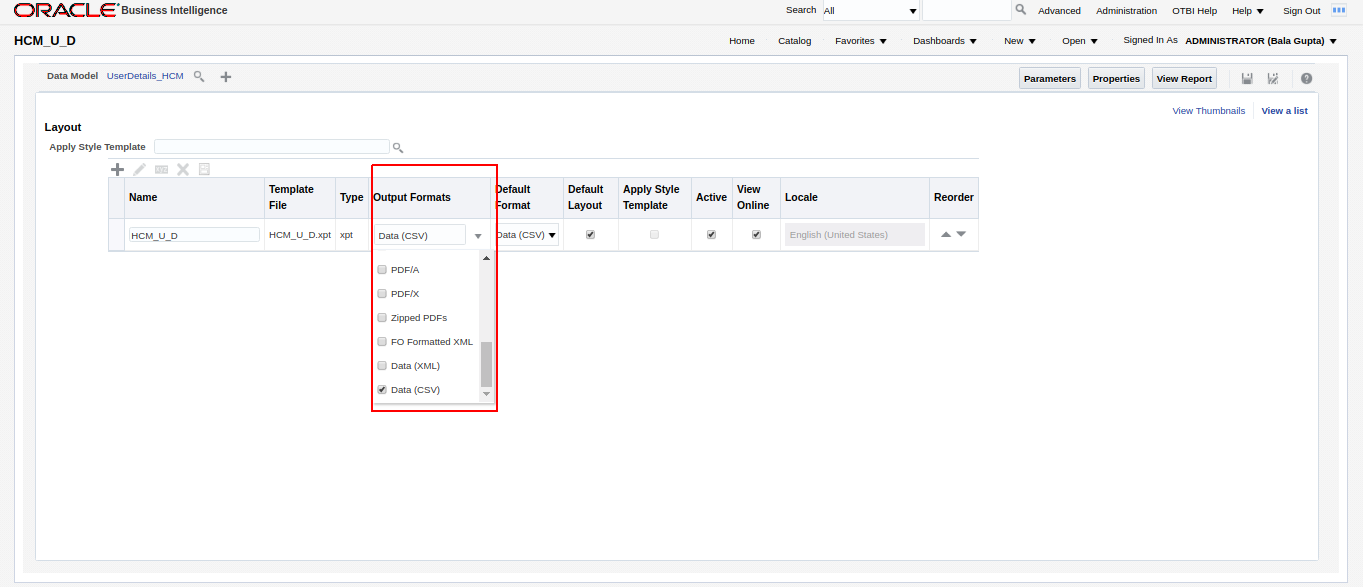


Click **View a list.**

****

Step 14 : Select **CSV** in **Output Formats**.

Click **save.**

****

Step 15 : Click **View Report.**

Click **Actions → Export → CSV.**

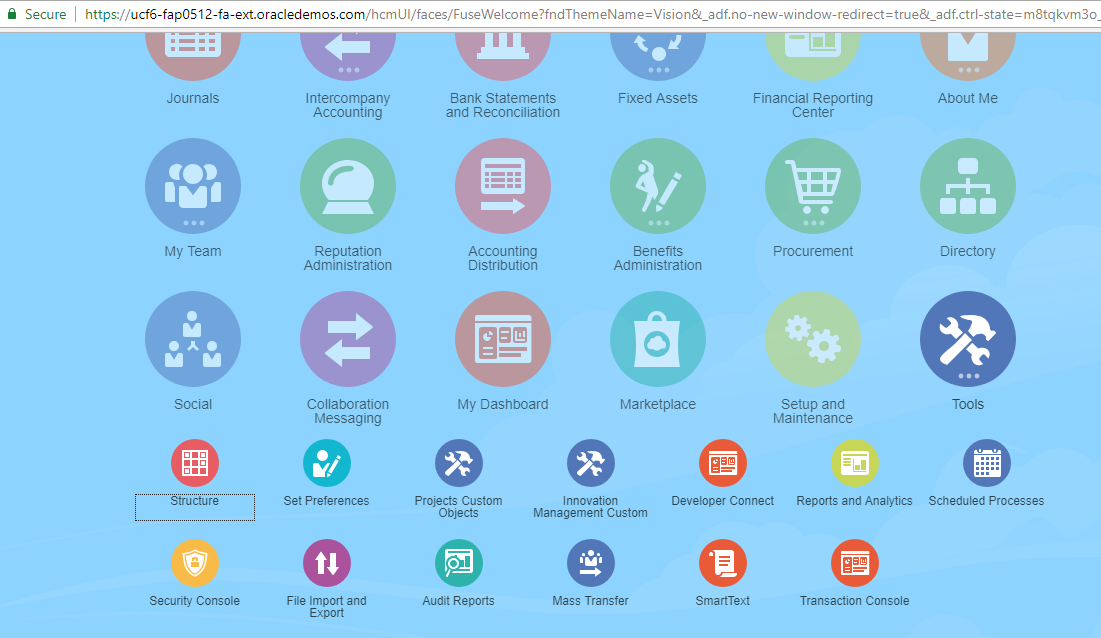
The report will be downloaded.

Rename the file as **ALLUSERROLES.CSV (**if necessary**).**

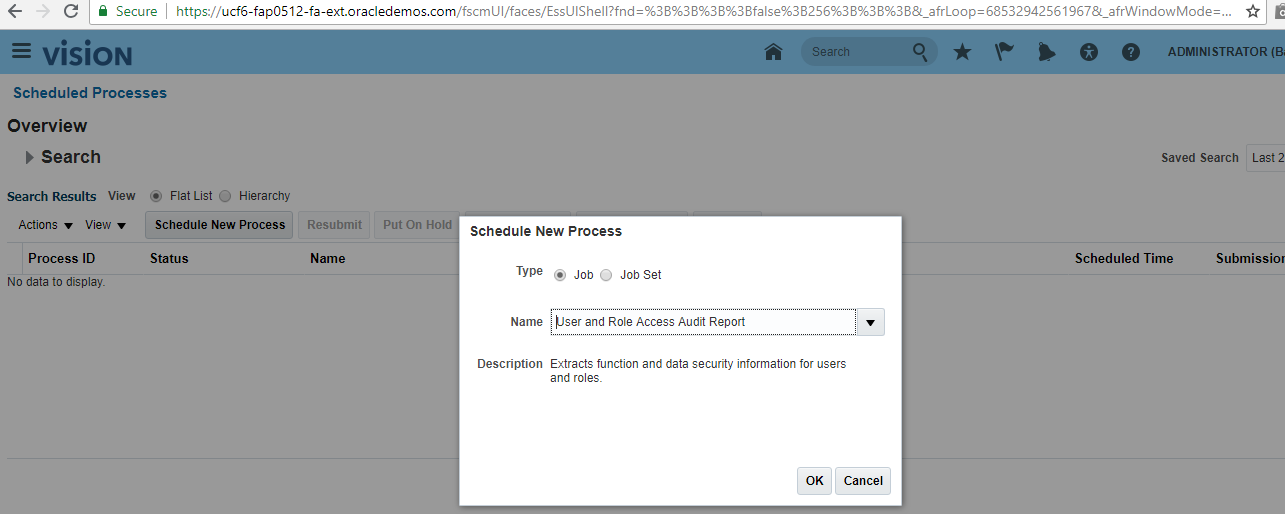
**7. APPENDIX**

**Generating the ALLROLES.csv using the seeded ESS job**

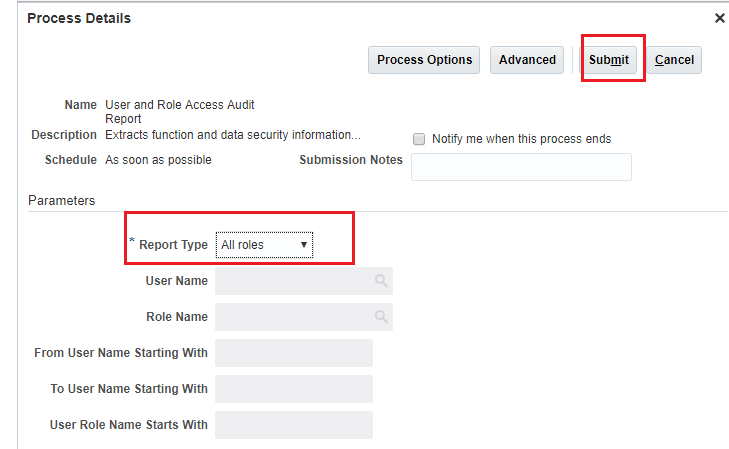
Step 1 : In the oracle fusion application home page, **goto Tools -> Scheduled Processes.**



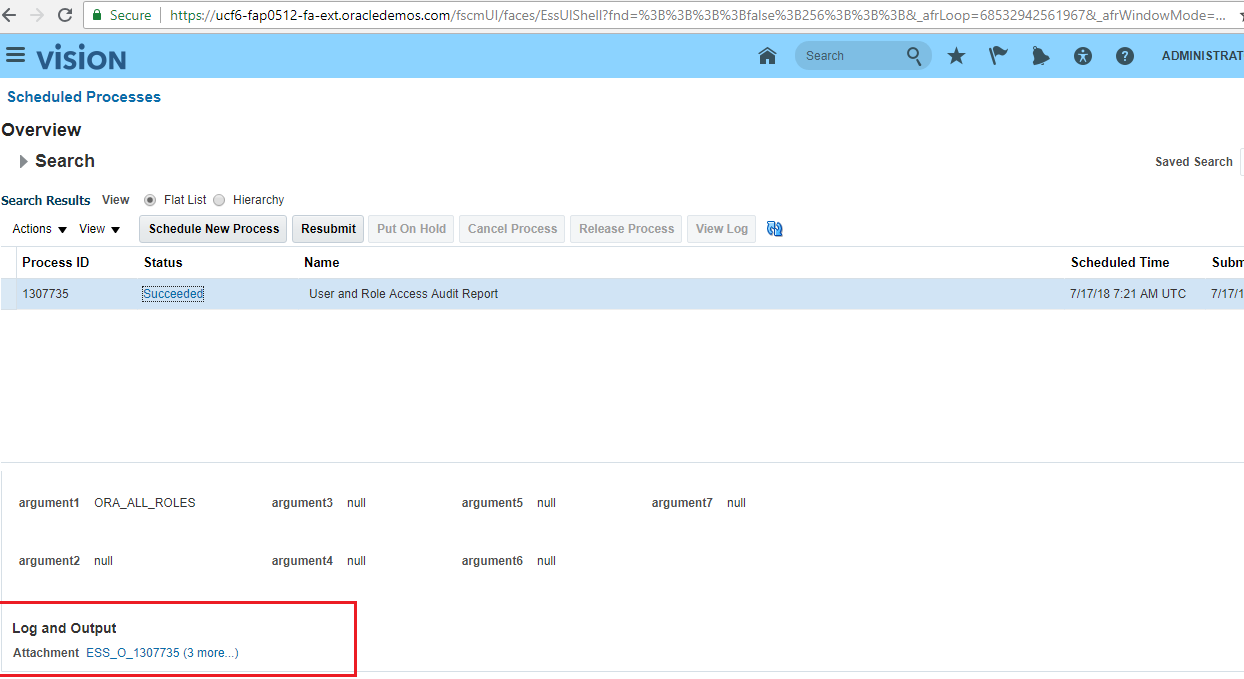
Step 2 : Click on Schedule new process. Select **‘User and Role Access Audit Report’**

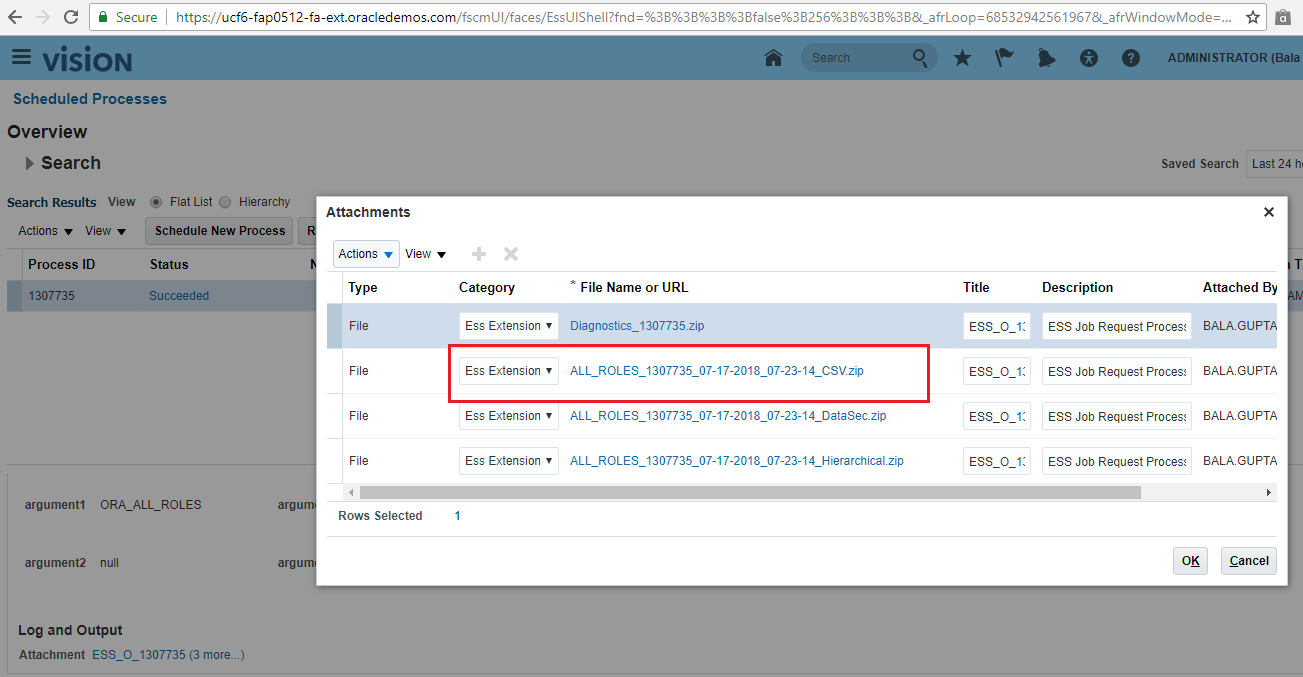


Step 3 : In the Process Details, select Report Type with value **‘All Roles’** then click Submit.



This report will take some time to complete. The report will be available in the server on successful completion.





Step 4 : Download the report and extract the same. The default file name is ALL\_ROLES.CSV for the Qsoft auditing please change the file name as ALLROLES.CSV and place this copy this file into the location where the QAgent is downloaded and extracted.