

OAC Write-Back Functionality

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Purpose statement

The scope of this document is to provide you with a quick step-by-step guide on how to configure and use Oracle Analytics Cloud Write-back.

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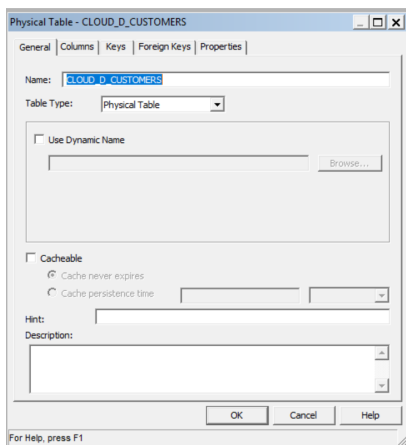
Write-back in Oracle Analytics Cloud

- Write-back enables users to update your data directly from dashboards and analyses.
- Users with the 'Write Back to Database' privilege see write-back fields as editable fields in analyses. The values they enter are saved to the database. If a user doesn't have the 'Write Back to Database' privilege, then the write-back fields display as normal fields.
- If a user types a value in an editable field and clicks the write-back button, then the application executes the insert or update SQL command defined in the write-back template. If the command succeeds, the analysis is updated with the new value. If there is an error in either reading the template or in executing the SQL command, then an error message is displayed.

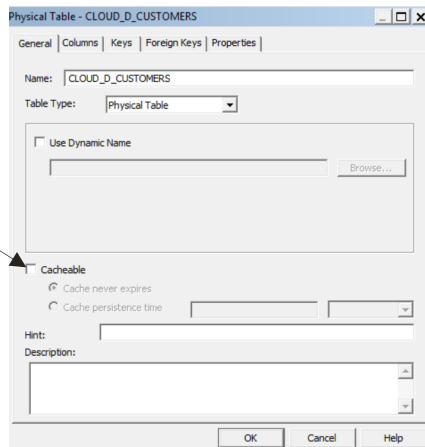
Steps for implementing the Write-back functionality:

- Open the data model (RPD file) with Oracle Analytics Cloud Developer Client Tool (Admin tool);
File->Open->Offline-> Choose the RPD file
- In the Physical Layer, double-click the physical table that contains the column for which you want to enable write-back;

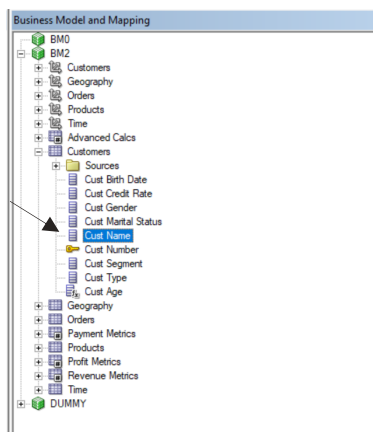
In our example we'll want to enable the write-back functionality for **CUST_NAME** column from **CLOUD_D_CUSTOMER** table.



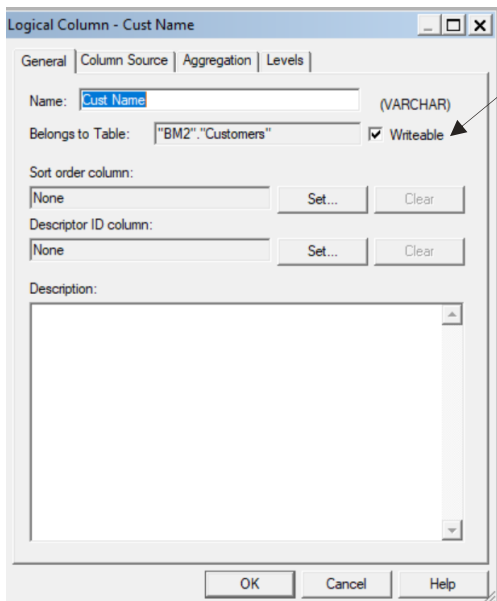
- On the General tab of the Physical Table dialog, ensure that Cacheable is not selected. (deselecting this option ensures that Oracle BI Presentation Services users can see updates immediately)



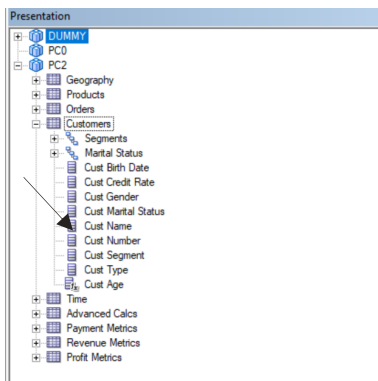
- In the Business Model and Mapping Layer, double-click the corresponding logical column.



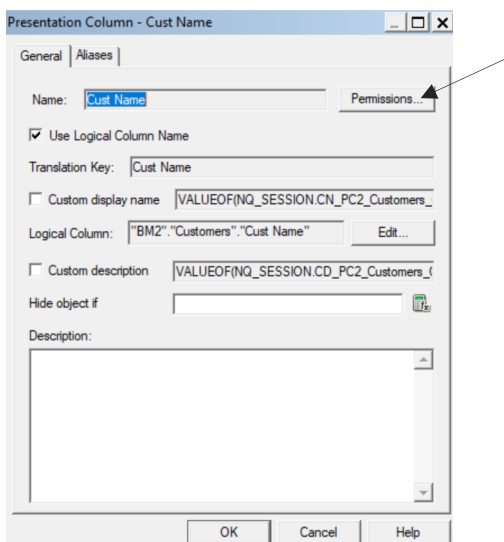
- In the Logical column dialog, select **Writeable**, then click **OK**.



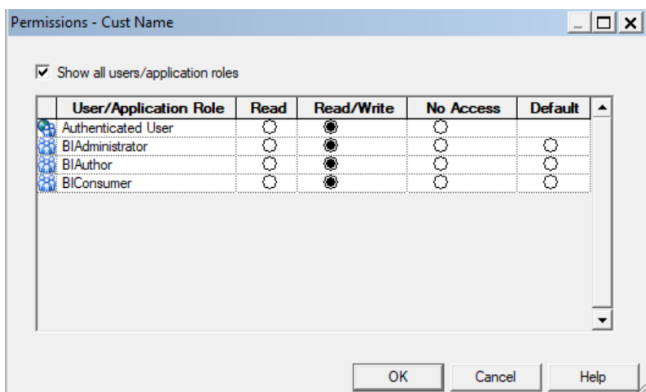
- In the Presentation Layer, double-click the column that corresponds to the logical column for which you enabled write-back.



- In the Presentation column dialog, click **Permissions**.



- Select the Read/Write permission for the appropriate users and application roles.



- Save you changes.

2. Create a write-back template and copy it to your clipboard

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

```

<WebMessageTables xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xmlns='oracle.bi.presentation/writebackschemas/v1'>
<WebMessageTable lang="en-us" system="WriteBack" table="Messages">
  <WebMessage name="SetQuotaUseID">
    <XML>
      <writeBack connectionPool="CP2">
        <insert></insert>
        <update>UPDATE CLOUD_D_CUSTOMERS SET CUST_NAME='{cc2ecaed7ba69661d8}' WHERE
CUST_NUMBER=@{cc2ecaed7ba69661d8} </update>
      </writeBack>
    </XML>
  </WebMessage>
</WebMessageTable>
</WebMessageTables>

```

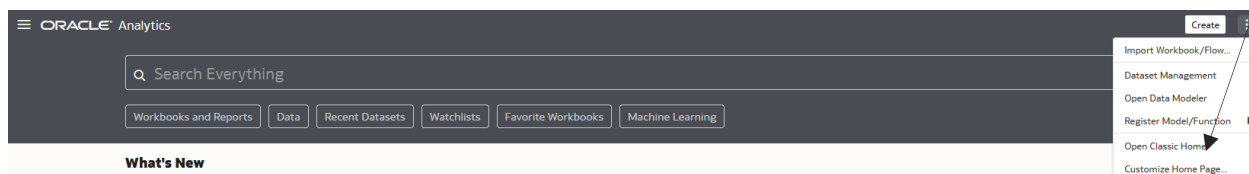
3. Apply your write-back template in Oracle Analytics Cloud

Console->Service Administration->Configure System Settings-> add the writeback template in Writeback Template XML section-> Restart

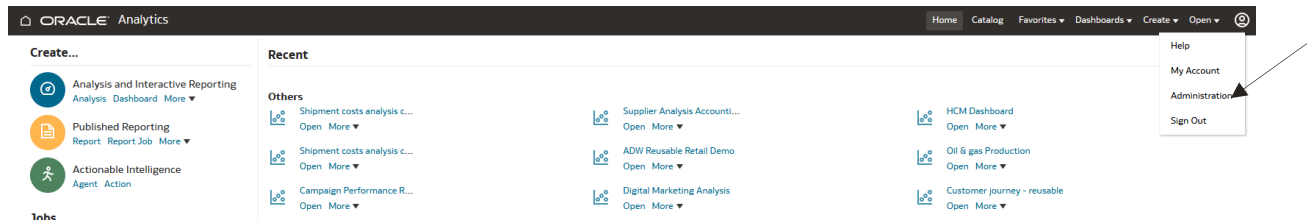
4. Grant permissions to use write-back code:

- a. Navigate to Classic home -> Administration->Manage Privileges-> Scroll down to Write Back:
 - > Grant 'Write Back to Database' to Authenticated User.
 - >Grant 'Manage Write Back' to BI Service Administrator.

5. Open Classic Home



6. Go to Administration:



7. Go to Manage Privileges

Administration

Home Catalog Favorites Dashboards Create Open

Security

- Manage Privileges**
Manage privileges and rights given to users and groups.

Session Management

- Manage Sessions**
View Oracle Analytics session information including active users and queries.
- Manage Agent Sessions**
View Agent session information including Agent state and recipients.

Maintenance and Troubleshooting

- Manage Device Types**
Create, edit, view or delete Device Types.
- Toggle Maintenance Mode**
Maintenance Mode is currently off.
- Reload Files and Metadata**
Reload XML message files, refresh server metadata, and clear caches.
- Reload Log Configuration**
Reload the logging configuration after update.
Default
- Export Fallback Font**
Fallback source for glyphs in exported content such as images or PDF. Used when the selected font is missing glyphs for characters present in report data, titles, text etc.
Go Noto
- Issue SQL**
Issue SQL directly to Oracle Analytics Server.
- Scan and Update Catalog Objects That Require Updates**
Scan the catalog and update any objects that were saved with earlier versions of Oracle Business Intelligence.

Theme Management

- Manage Themes**
Edit theme logo, title and style information.

Manage Catalog Captions

- Export Captions**
Export captions from the catalog.
- Import Captions**
Import captions in the catalog.
- Manage Captions**
Manage imported captions in the catalog.

Map Data Management

- Manage Map Data**
Manage layers, background maps and images.

Publisher

- Manage Publisher**
Manage Publisher data sources, scheduler configuration, delivery destinations, and runtime properties.

Search

- Configure Crawl**
Setup BSearch Data Model and Web Catalog crawl.
- Monitor Crawl**
Monitor and Stop Data Model and Web Catalog crawls.

8. Go to Write Back

View	Permissions	Users
View Trellis	Add/Edit Trellis View	BI Content Author
View View Selector	Add/Edit View Selector View	BI Content Author
Write Back	Write Back to Database	Denied: Authenticated User
	Manage Write Back	BI Service Administrator

Privilege: Write Back to Database

Hive: Write Back

Permissions

Accounts	Permissions
Authenticated User	Granted

OK Cancel

Privilege: Manage Write Back

Hive: Write Back

Permissions

Accounts	Permissions
BI Service Administrator	Granted

OK Cancel

9. To enable write-back in columns:

a. In the analysis editor displays the Column Properties for the column on which you want to enable write-back;

Selected Columns

Customers

Cust Name Cust Gender

Sort

Edit formula

Column Properties

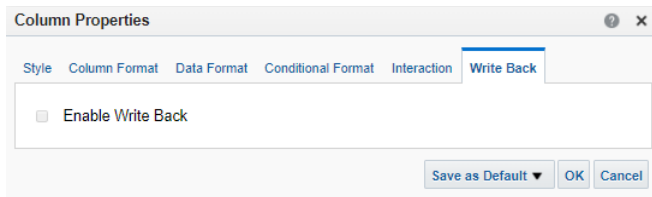
Filter

Delete

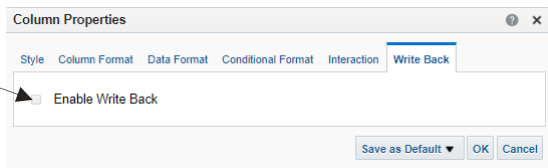
Save Column As

b. In the Column Properties dialog, click the **Write Back** tab.

If the column has been enabled for write-back in the repository, then the **Enable Write Back** box is available.



b. Select the **Enable Write Back** option.



d. Specify the value of other options if you want to change the default.

e. Save your change

6. To enable write-back in table views:

a. In the Analysis editor, open the table view for editing.

b. Click **View Properties**.

Compound Layout

Title [A] [X]

Table [A] [X]

Cust Name	Cust Gender
Aaron Andrews	M
Aaron Becker	M
Aaron Burg	M
Aaron Card	M
Aaron Delux	M
Aaron Flood	M
Aaron Gamble	M
Aaron Grubb	M
Aaron Henning	M
Aaron Hui	M
Aaron Kiesel	M
Aaron Kubisak	F
Aaron Padilla	M
Aaron Piggott	M
Aaron Staranko	M

c. In the Table Properties dialog, click the **Write Back** tab.

Table Properties

Style Write Back

☐ Enable Write Back

Template Name

☒ Toggle Table Mode

Apply Button

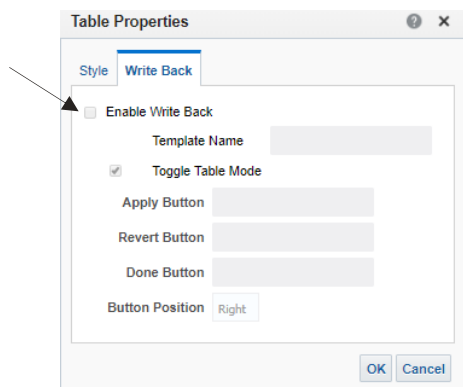
Revert Button

Done Button

Button Position

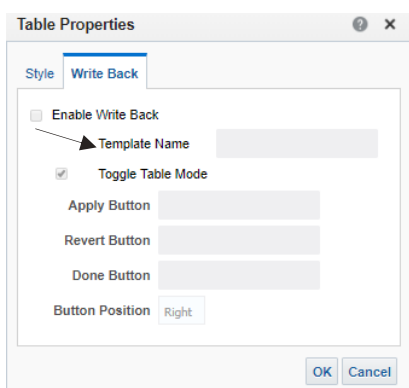
OK Cancel

d. Select the **Enable Write Back** option.



- e. Select the **Template Name** box, specify the value of "WebMessage name=" in the write-back template that you specified in Step 2.

For example, the **Template Name** for the example template in Step 2 is 'SetQuotaUseID'.



- f. Save your changes.