

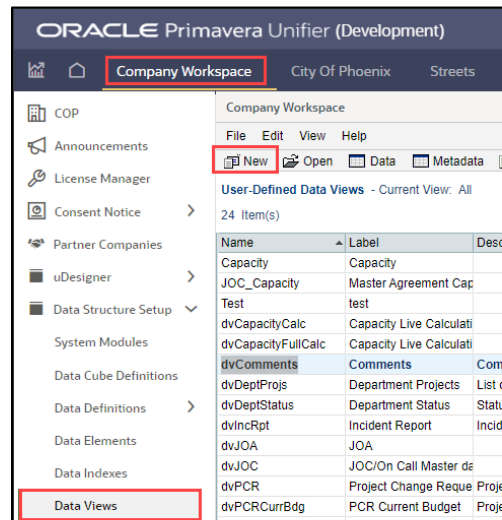
# TECH TIP

## CREATING A DATA VIEW ORACLE PRIMAVERA UNIFIER

A Data View is a custom query that defines a set of data that can be used in queries or reports. It is useful for combining elements from different tables, making it reusable and eliminating the need to redevelop complex data structures within SQL statements.

This Tech Tip illustrates how to create one in Unifier.

Data views are found in the Company Workspace under Data Structure Setup.



Select Data Views and click New to open the edit window.

# CREATING A DATA VIEW

Create a Data View - Personal - Microsoft Edge

https://unifierdev.mlmprojectservices.com/bp/sys/report/view/edit?id=31&\_\_uref=uuu16230743...

Create a Data View

Prefix: unifier\_\_

Name: dvComments \*

Label: Comments \*

Description: Comments from BPs like Incident Report. Can be tied to by the object id and type.

SQL Definition: select cd.id as cmmtid,  
cd.object\_id as cmmtsrcid,  
cast(cd.object\_type as char) as cmmttype,  
cd.content as cmmtcomment,  
to\_char(cd.create\_date, 'MM/DD/YY') as cmmtcreatedt,  
cd.fullname as cmmtcreator  
from unifier.unifier\_comment\_detail\_view cd

Apply OK Cancel

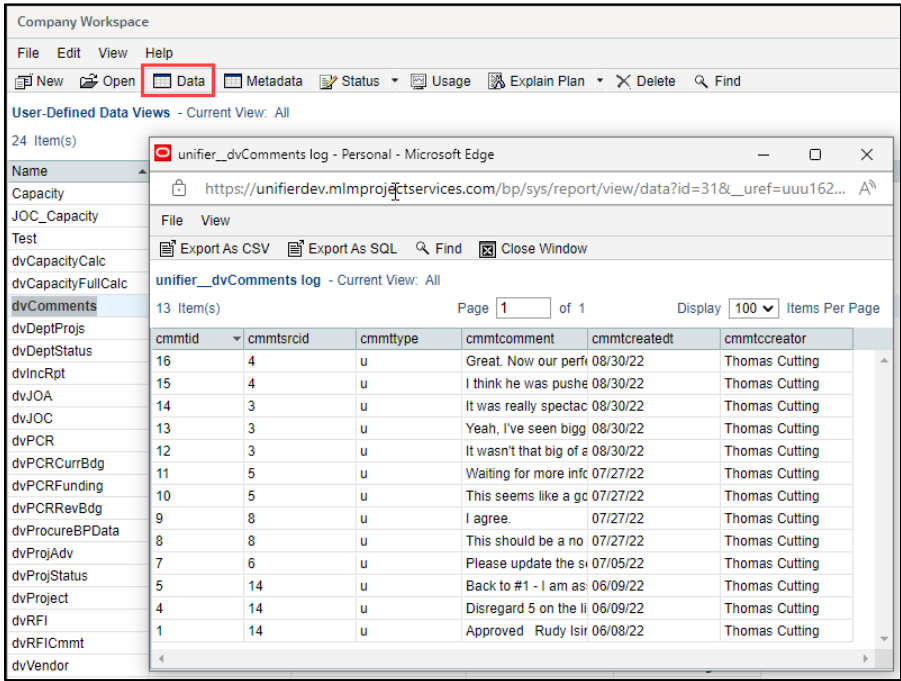
Enter the Name, Label, and Description to identify the data view. The Prefix “unifier\_\_” is preset and can not be modified.

Create or copy/paste the SQL code into the SQL Definition and click Apply to save or OK to save and exit.

In order to use the data view as the main subject in a project or shell-level User Defined Report it must contain the field project\_id. Supporting data views do not require it.

# CREATING A DATA VIEW

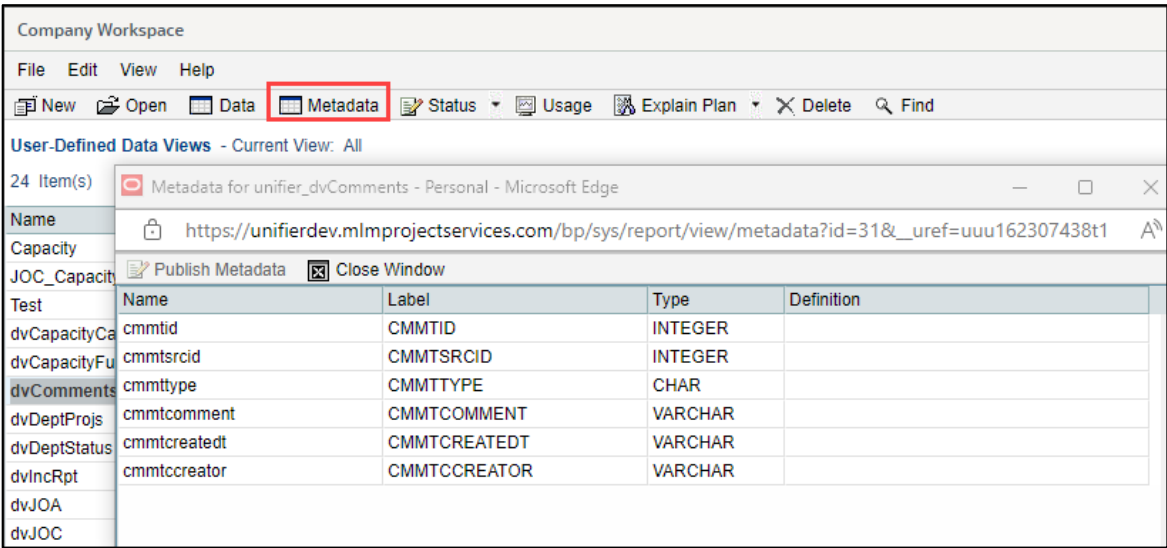
The Data button in the upper menu runs the query and displays the results to ensure the SQL works properly.



The screenshot shows the 'Company Workspace' application with the 'Data' button highlighted in the upper menu. The 'User-Defined Data Views' section shows a list of 24 items. The 'unifier\_dvComments log' is selected, and its data is displayed in a table view. The table has columns: cmmtid, cmmtsrcid, cmmtype, cmmcomment, cmmcreatedt, and cmmtcreator. The data is sorted by cmmtid in descending order.

cmmtid	cmmtsrcid	cmmtype	cmmcomment	cmmcreatedt	cmmtcreator
16	4	u	Great. Now our perf	08/30/22	Thomas Cutting
15	4	u	I think he was pushe	08/30/22	Thomas Cutting
14	3	u	It was really spectac	08/30/22	Thomas Cutting
13	3	u	Yeah, I've seen bigg	08/30/22	Thomas Cutting
12	3	u	It wasn't that big of a	08/30/22	Thomas Cutting
11	5	u	Waiting for more infc	07/27/22	Thomas Cutting
10	5	u	This seems like a gc	07/27/22	Thomas Cutting
9	8	u	I agree.	07/27/22	Thomas Cutting
8	8	u	This should be a no	07/27/22	Thomas Cutting
7	6	u	Please update the si	07/05/22	Thomas Cutting
5	14	u	Back to #1 - I am as	06/09/22	Thomas Cutting
4	14	u	Disregard 5 on the li	06/09/22	Thomas Cutting
1	14	u	Approved Rudy Isir	06/08/22	Thomas Cutting

The Metadata button shows each of the data elements and their type.



The screenshot shows the 'Company Workspace' application with the 'Metadata' button highlighted in the upper menu. The 'User-Defined Data Views' section shows a list of 24 items. The 'unifier\_dvComments log' is selected, and its metadata is displayed in a table view. The table has columns: Name, Label, Type, and Definition.

Name	Label	Type	Definition
cmmtid	CMMTID	INTEGER	
cmmtsrcid	CMMTSRCID	INTEGER	
cmmtype	CMMTTYPER	CHAR	
cmmcomment	CMMTCOMMENT	VARCHAR	
cmmcreatedt	CMMTCREATEDT	VARCHAR	
cmmtcreator	CMMTCCREATOR	VARCHAR	

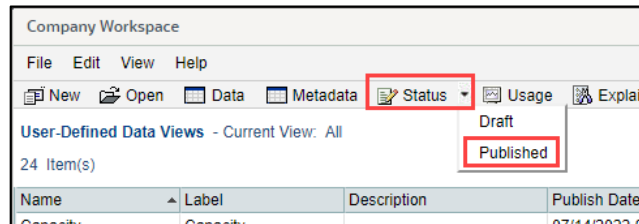
The Label is editable to allow the display name to be changed.

The Definition option associates the element with its data definition. For example, if the element is from a pull-down menu, selecting the definition will display the description of the item instead of the id value. If Definitions are selected the metadata will need to be published in order for the data to be connected.

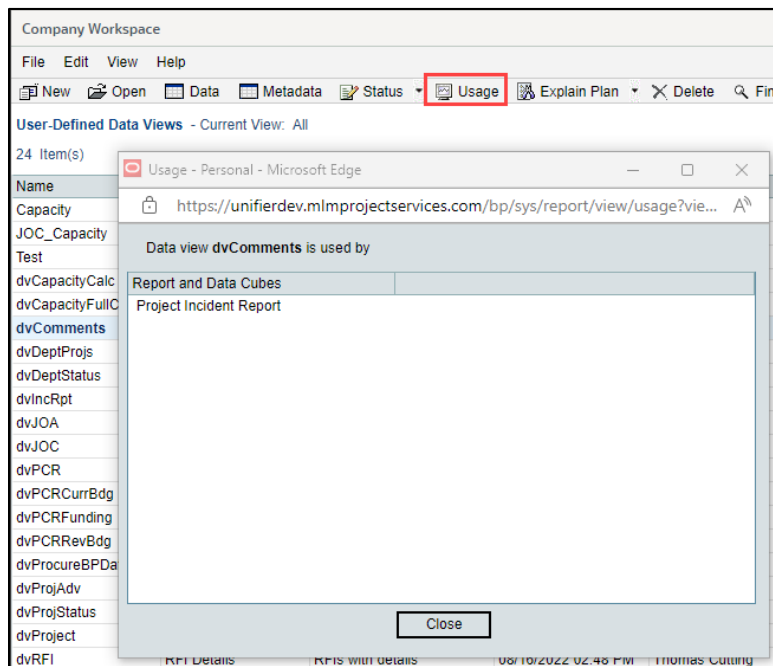
# CREATING A DATA VIEW

To publish the metadata, click the Publish Metadata button. The data view needs to be published before the option is available.

To publish the data view, select Status / Published from the upper menu. In order to update the data view it will need to be in Draft status.



The Usage button displays the Reports and Data Cubes that the data view is used in.



To use the data view in SQL with other data models, reference it using unifier<underscore><underscore>dataviewname as shown below:

```
select comm.cmmntcomment
from unifier.unifier__dvcomments comm
```