

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

	Cre	eate a Data View -	Personal - Microsoft Edge — 🗆	\times							
	ĉ	https://unifier	dev.mlmprojectservices.com/bp/sys/report/view/edit?id=31&_uref=uuu16230743	A®							
С	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 tobject_tid 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 cmmtccreator 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.

File Edit View Help								
🗊 New 🗳 Open	🔲 Data 📃	Metadata 🛛 📝 S	tatus 🔹 🔄 Usa	age 🛛 🕅 Explain Plan	* 🗙 Delete 🔍 F	Find		
User-Defined Data V	iews - Current \	/iew: All						
24 Item(s)								
Name	unifier_dv	Comments log - Pe	ersonal - Microso	ft Edge		- 0	×	
Capacity	🖯 https	://unifierdev.mlr	nproje <mark>j</mark> ctservice	s.com/bp/sys/repo	rt/view/data?id=31	&uref=uuu162	A٩	
JOC_Capacity	File View							
Test	Export As	CSV E Evport	As SQL 🔍 Fin	d 🕅 Close Window				
dvCapacityCalc	ELEXPOITAS	COV E Export						
dvCapacityFullCalc	unifier_dvC	omments log - Cu	Irrent View: All					
lvComments	13 Item(s)	13 Item(s) Page 1 of 1 Display 100 V Items Per Page						
dvDeptProjs	cmmtid -	cmmtsrcid	cmmttype	cmmtcomment	cmmtcreatedt	cmmtccreator		
dvDeptStatus	16	4	u	Great. Now our perfe		Thomas Cutting		
dvincRpt	15	4	u	I think he was pushe		Thomas Cutting		
dvJOA	14	3	u	It was really spectac		Thomas Cutting		
dvJOC	13	3	u	Yeah, I've seen bigg		Thomas Cutting		
dvPCR	12	3	u	It wasn't that big of a		Thomas Cutting		
dvPCRCurrBdg	11	5	u	Waiting for more info		Thomas Cutting		
dvPCRFunding	10	5	u	This seems like a go		Thomas Cutting		
dvPCRRevBdg	9	8	u	l agree.	07/27/22	Thomas Cutting		
dvProcureBPData	8	8	u	This should be a no		Thomas Cutting		
dvProjAdv	7	6	u	Please update the se		Thomas Cutting		
dvProjStatus	5	14	u	Back to #1 - I am as		Thomas Cutting		
dvProject	4	14	u	Disregard 5 on the li		Thomas Cutting		
dvRFI	1	14	u	Approved Rudy Isir		Thomas Cutting		
dvRFICmmt	l'	14	u	Approved Rudy Isli	00/00/22	monias cutting		
dvVendor	4						F	

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

Company Workspace								
File Edit View Help								
🗊 New 🖨 Open 🔲 Data 🔲 Metadata 📝 Status 🔹 🖾 Usage 🎆 Explain Plan 🔹 🗙 Delete 🔍 Find								
User-Defined Data Views - Current View: All								
24 Item(s)	Metadata for unifier_dvComm		- 0	×				
Name	https://unifierdev.mlmprojectservices.com/bp/sys/report/view/metadata?id=31&_uref=uuu16230/438t1 A							
Capacity JOC_Capacity	Capacity JOC Capacit Publish Metadata I Close Window							
Test	Name	Label	Туре	Definition				
dvCapacityCa	cmmtid	CMMTID	INTEGER					
		CMMTSRCID	INTEGER					
dvComments	cmmttype	CMMTTYPE	CHAR					
dvDeptProjs	cmmtcomment	CMMTCOMMENT	VARCHAR					
dvDeptStatus	cmmtcreatedt	CMMTCREATEDT	VARCHAR					
dvincRpt	cmmtccreator	CMMTCCREATOR	VARCHAR					
dvJOA								
dvJOC								

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.

Company Workspace						
File Edit View Help						
🗊 New 🛛 🖨 O	pen	Data	Metadata	📝 Status	🔹 🖂 Usage	🔣 Explair
User-Defined Data Views - Current View: All Draft 24 Item(s) Draft]
Name		Label	De	escription		Publish Date
Canacity		Canacity				07/44/2022.0

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

Company Workspace										
File Edit View Help										
🗊 New 🖻 O	Dpen 🔲 Data 🔲 Metadata 📝 Status 🝷 📴 Usage 🔣 Explain Plan 👻 🗙 Delete 🔇	् Find								
User-Defined Data Views - Current View: All										
24 Item(s)	Usage - Personal - Microsoft Edge — 🛛 🔿	×								
Name										
Capacity	https://unifierdev.mlmprojectservices.com/bp/sys/report/view/usage?vie /	A»								
JOC_Capacity Test	Data view dvComments is used by									
dvCapacityCalc	Report and Data Cubes									
dvCapacityFullC	Project Incident Report									
dvComments										
dvDeptProjs										
dvDeptStatus										
dvIncRpt										
dvJOA										
dvJOC										
dvPCR										
dvPCRCurrBdg										
dvPCRFunding										
dvPCRRevBdg										
dvProcureBPDa										
dvProjAdv										
dvProjStatus										
dvProject	Close									
dvRFI	REI Details REIS WITH Details 08/10/2022 02:46 FWI THOMAS CUT	ing								

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

select comm.cmmtcomment from unifier.unifier_dvcomments comm

