

TECH TIP

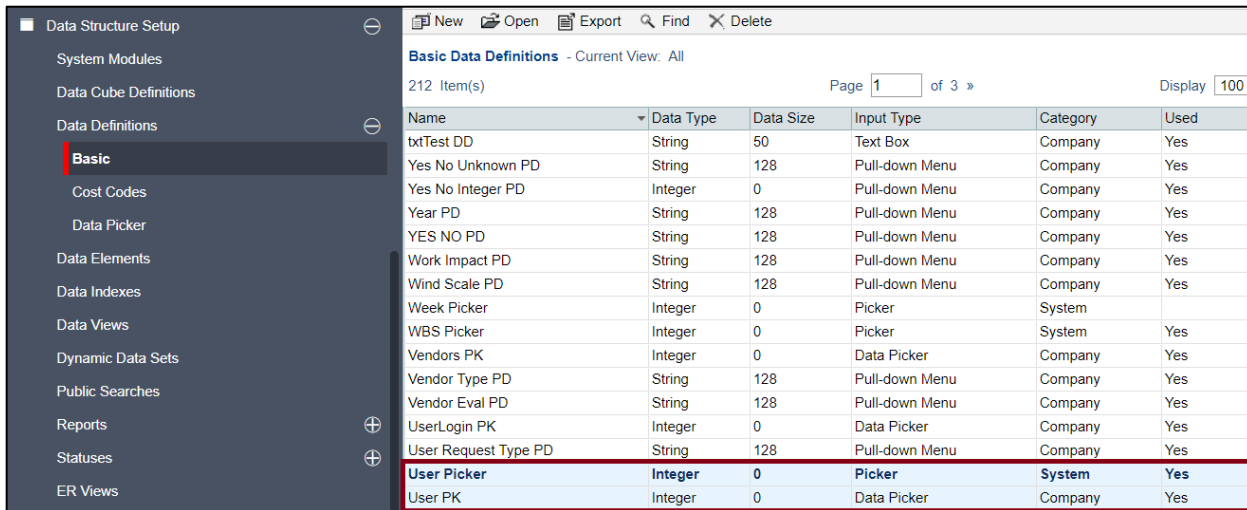
USER PICKER VS. USER DATA PICKER ORACLE PRIMAVERA UNIFIER

As a Unifier developer, you might have the following questions in BP design:

- What's the difference between USER PICKER and USER DATA PICKER?
- When should I use USER PICKER or USER DATA PICKER?

In today's topic, we are going to explore these 2 data definitions and give you recommendation on how to use these 2 data definitions in Unifier development.

To find the data definition, we go to **Company Workspace > Data Structure Setup > Data Definition > Basic**.



Name	Data Type	Data Size	Input Type	Category	Used
txtTest DD	String	50	Text Box	Company	Yes
Yes No Unknown PD	String	128	Pull-down Menu	Company	Yes
Yes No Integer PD	Integer	0	Pull-down Menu	Company	Yes
Year PD	String	128	Pull-down Menu	Company	Yes
YES NO PD	String	128	Pull-down Menu	Company	Yes
Work Impact PD	String	128	Pull-down Menu	Company	Yes
Wind Scale PD	String	128	Pull-down Menu	Company	Yes
Week Picker	Integer	0	Picker	System	
WBS Picker	Integer	0	Picker	System	Yes
Vendors PK	Integer	0	Data Picker	Company	Yes
Vendor Type PD	String	128	Pull-down Menu	Company	Yes
Vendor Eval PD	String	128	Pull-down Menu	Company	Yes
UserLogin PK	Integer	0	Data Picker	Company	Yes
User Request Type PD	String	128	Pull-down Menu	Company	Yes
User Picker	Integer	0	Picker	System	Yes
User PK	Integer	0	Data Picker	Company	Yes

From here, we really cannot tell too much difference except their names: User Picker's name is **User Picker**, but User Data Picker's name is **User PK**. So, let's go to an actual BP design to explore more detail.

We pick RFI BP as an example. Go to UDesigner and open the RFI BP, then open the detail form. There are two Data Elements: **Reviewer Name** and **Submitted By** with data definition of User Picker and User PK (User Data Picker) respectively.

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Element Label	Element Name	Data Definition	Access	Block	Data Entry
Comments	mCommentsMTL4000	MultiTextBox 4000Char	Editable	Comments	Manual
Line Item Status	uuu_line_item_status	DesignerLineItemStatus	Editable	Hidden	Manual
Review Date	mReviewDateDO	Date Only Picker	Editable	general	Manual
Review Date Assigned	mRevDateAssignDO	Date Only Picker	Read-Only	general	Formula
Reviewer Name	mReviewerPK	User Picker	Editable	general	Manual
Short Description	short_desc	Short Description Text	Editable(Requirec	general	Manual
Status	mReviewerStatusPD	Reviewer Status PD	Editable	general	Manual
Submitted By	mPartnerUserPK	User PK	Editable	general	Manual
Submitter	uuu_submitter	User Picker	Editable	general	Manual
To Contact	mToContactPK	BP Line Item Picker	Editable	general	Manual

To check the behavior of these two data elements, we need to go to Unifier's Shell to create a BP record. After adding a line item and clicking **Select...** on each Data Element, we will see the difference:

- For **Reviewer Name**, we see only the Users with access granted to the Shell.

Employee ID	First Name	Last Name	Company
	John	Yang	DRMcNatty

- But for **Submitted By**, we see the entire Unifier Users.

USER PICKER VS. USER DATA PICKER

The left window shows the 'RFI Line Item' form. The 'Submitted By' field is highlighted with a red box. The right window shows the 'User Picker' dialog with a list of users. The list has columns for Company, Login User Name, Employee ID, Name, and Title. The 'Submitted By' field in the left window is linked to the 'Submitted By' field in the right window.

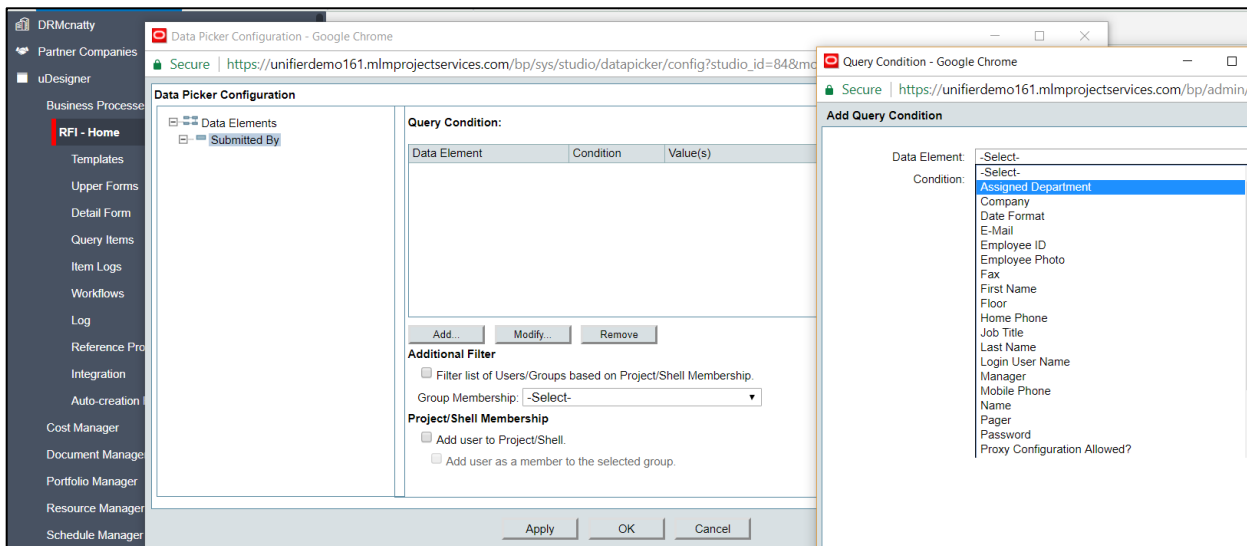
Now we can tell the major difference between these two.

To manage the User Data Picker's List, we navigate to UDesigner and open the BP again. At the **Data Picker Configuration** form (through **File > Open > Data Picker > Submitted By**), we can add filters to the Unifier Users by setting the Query Condition or Group Membership.

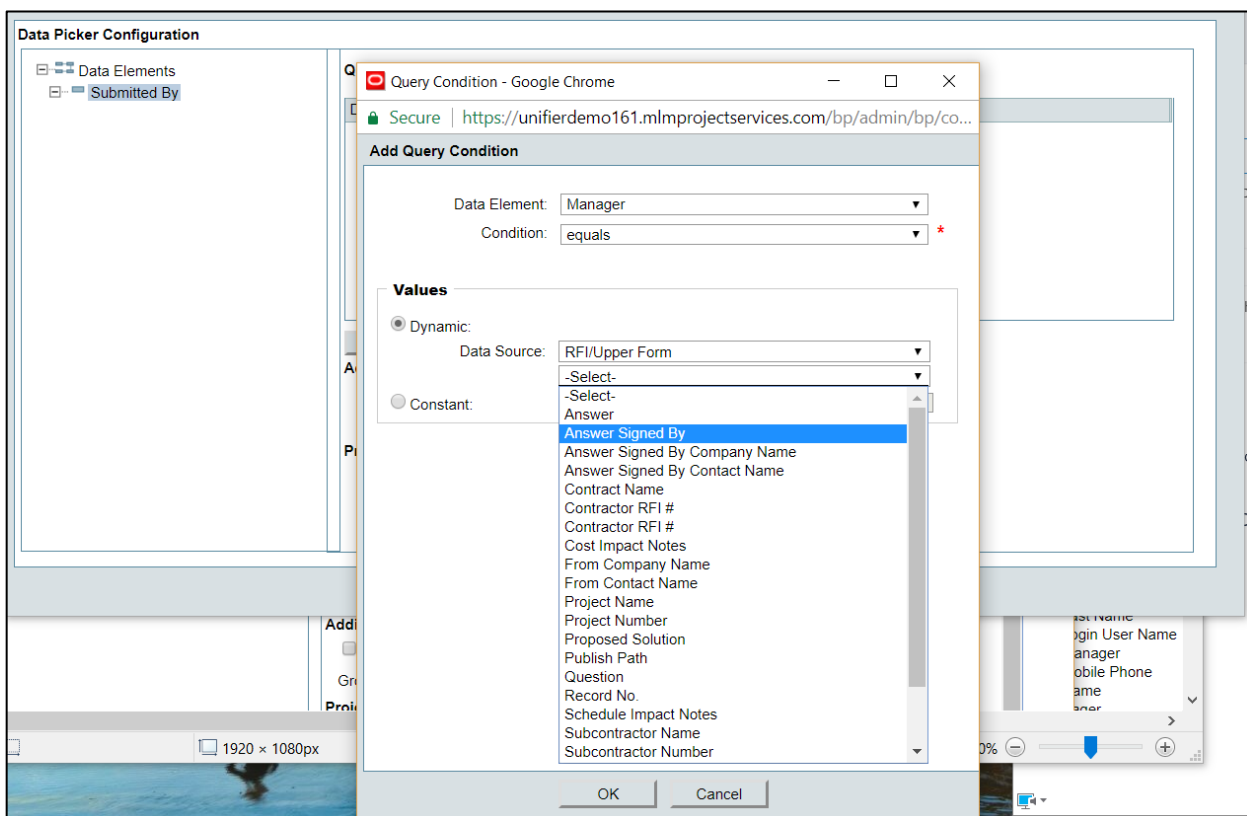
The screenshot shows the 'Data Picker Configuration' form. The 'Submitted By' field is highlighted with a red box. The 'Query Condition' section is visible, showing a table with columns for Data Element, Condition, and Value(s). The 'Add filter here' text is visible. The 'Additional Filter' section is also visible, with options for 'Filter list of Users/Groups based on Project/Shell Membership', 'Group Membership', and 'Project/Shell Membership'.

The Query Condition setup is based upon the User Attributes in the Unifier User Detail form.

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The query can be built against all Shells' Detail Form, BP's upper form, lower form or Shell's single record BP.



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The Group Membership list shows the groups at the company level.

Data Picker Configuration

☒ Data Elements
☒ Submitted By

Query Condition:

Data Element	Condition	Value(s)
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Additional Filter

☐ Filter list of Users/Groups based on Project/Shell Membership.

Group Membership:

Project/Shell Membership:

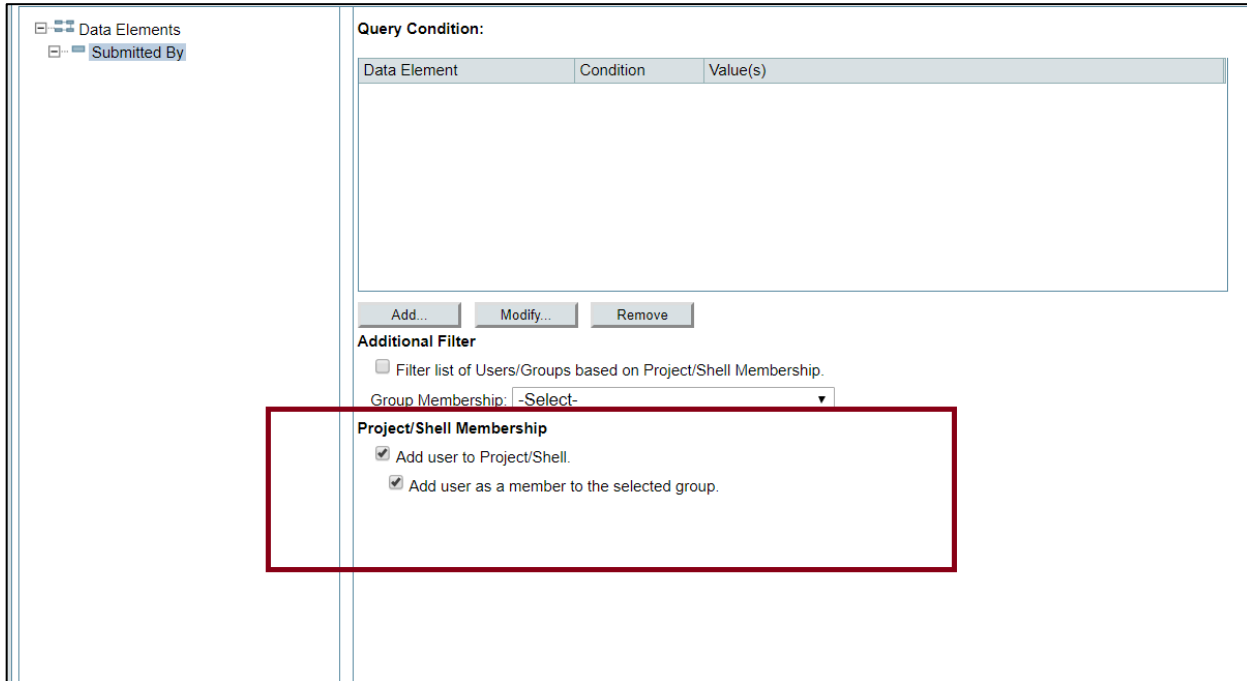
☐ Add user to Project

☐ Add user as a

- All Company Users
- All Project Coordinators**
- Burnworth Group
- Company Administrators
- Contract Coordinators
- Contract and Change Control Access
- Creator
- Developer Admin
- EMWD Company Group
- Project Administrators
- Project Request Reviewers
- Reviewer
- Subcontractors
- Support
- Timesheet Reviewers
- Vendor Coordinators
- Vendor Creators

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You can even add the selected users to Project/Shell as a project user or group member if the User Data Picker is on the upper form. (**Note: To use this option, the user data picker must be located on the upper form, not the detail form.**)



The screenshot shows the 'User Data Picker' interface. On the left, under 'Data Elements', 'Submitted By' is selected. The right pane, 'Query Condition:', features a table with headers 'Data Element', 'Condition', and 'Value(s)'. Below the table are 'Add...', 'Modify...', and 'Remove' buttons. An 'Additional Filter' section includes a checkbox for 'Filter list of Users/Groups based on Project/Shell Membership.' and a 'Group Membership: -Select-' dropdown. A red box highlights the 'Project/Shell Membership' section at the bottom, which contains two checked options: 'Add user to Project/Shell.' and 'Add user as a member to the selected group.'

In conclusion, although User Picker and User Data Picker look similar, the usage purposes are different. System Architect or Developer need to fully understand their functionalities to achieve the optimal design. We summarize the features and recommendations as follows

- User Picker
 - The listed users are Shell users only. Unifier users without access to the Shell will not show in the list.
 - There is no way to control the list. All users for the Project/Shell will be included.
 - When there is a security requirement to allow **ONLY** project/shell users to be selected, use User Picker in the design.
- User Data Picker
 - The listed users are the entire Unifier users by default (including Company Users and Partner Users).
 - However, the list can shrink further by adding filters through query or group membership.
 - The extra feature is the selected users can be added to the Project/Shell as a project user or group member, if the Project/Shell membership option(s) is/are selected.
 - Because of the flexibility in building the Picker's list, using User Data Picker can fit to more complex requirement.