Relations Tracker Field

New in Tiki8

Allows to create arbitrary relations between the trackers and other objects in the system. See also Items List and Item Link Tracker Fields

Relation Relation qualifier. Must be a three-part qualifier containing letters and separated by dots.

This can be anything (just a reference)

Filter URL-encoded list of filters to be applied on object selection. (see the list below)

ex.: tracker_id=5&object_type=trackeritem

tracker_id=5 is to filter in tracker #5
object_type=trackeritem is to only get tracker items (and not tracker fields)

Unified Index is required for relations fields to work. See Search and List from Unified Index

Read-only Only display the incoming relations instead of manipulating them.

Include Invert Include invert relations in the list

Notes

When the result show several related items they will be ordered by itemId asc.

Example

bug tracker in dev.t.o

Tracker field definition (tiki-admin_tracker_fields.php?trackerId=N):

Tra	acker fields	Import Tracker	Fields			No Tabs		
	ID	Name	Туре	List Title Sea	rch Public Mandat	ory Actions		
	Edit Fie	ld				×		
0	▶ Ger▼ Opt	ieral ions for Relation	s	Ø				
C	oth	ows to create arb er objects in the ation	ns between the	trackers and				
Q	tik							
C	Relation qualifier. Must be a three-part qualifier containing letters and separated by dots.							
C	Filter							
r.	URL-encoded list of filters to be applied on object selection.							
C								
Г	Rea	id-only						
5	No							
Γ	Only display the incoming relations instead of manipulating them.							
	Inc							
Ч	Yes							
C	Include invert relations in the list							
C	► Val	idation						
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C					OK Can	cel		
	100 Re	lated-to	Relations			X		
Sav	Save All Go							
A	Add Field							

The previous example produces this field when adding a new tracker item (tiki-view_tracker.php?trackerId=N):

Solution	B I S 🥥 🔳 🗋 🎯 🏙 🦕 🗇 😃					
		View item unclear				
		Disabling Show before publish date broken				
		Group Calendar is inconsistent in menu				
		Right-to-left directional languages broken in 1.9DR4				
		Built it TPL editor removes Javascript from the Templates				
		tracker fields explanation mouse-over				
		create tracker_changed_notification_subject.tpl				
		TikiMods: List authors in all styles				
	Resolution details of the issue	Improve Usability of search on trackers Friend network email notification has html				
Categories	=	More control over "Date and time"-field-type format in tracker needed				
tobe		Outlook connector				
merged		WikiPluginTracker :: double clic				
		Categories in tracker items should be alphabetically sorted in tiki-view tracker.ph				
Assigned To		thresold				
Person	Don't assign to someone without their	Multitiki customizations broken				
		Wiki Ratings doesn't activate upgrading from 1.8.5				
Lastmod by	xavi	Trackback pings should not use fopen to open urls.				
Related-to		list gallery in tiki-browse_gallery.php				
	Search:					
		which are related. The link will be added to both because relation has been set as inverted.				

Note: The pagination setting will change the way the field is displayed. If the number of possible relations is higher than the "Object selector threshold" parameter that can be found at tiki-admin.php?page=look#contentadmin_look-3. If the field displays more that the "Object selector threshold" value then it will change for a Search input field.

Filtering valid parameters

parameter	Usage	notes
tracker_id	tracker_id=11	
object_type	object_type=trackeritem	
tracker_status	tracker_status=o	the parameter accept one argument (=op doesn't work)

Sample: tracker_id=11&object_type=trackeritem&tracker_status=o

Many to many

If you want a many to many relation, create a field in each tracker, with the following params

- Relation: put one as normal, and for the other, add a fourth qualifier **.invert** (ex.: institution.published.work and institution.published.work.invert)
- Filter: set tracker_id=XYZ where XYZ is the ID of the other tracker. Ex: In tracker 19, put tracker_id=20 and in tracker 20, put tracker_id=19
- Read Only: Both set to no
- Include Invert: Both set to no (the inversion will come from the setting above)
- Force Refresh: should be set to on if you are using Mathematical Calculation Tracker Field which could impact.

Use case: Projects and Subprojects

One use case for this type of setup is a projects tracker, in which you define a parent - child relationship among items: which are parent projects of which child projects, while all data reside in the same project tracker.

Even if this setup would probably imply a one to many relationship, the setup is the equivalent as the one indicated in the section above currently named "Many to many", but using the same tracker id in both fields of type "relation" in that same tracker.

Related:

- Object Attributes and Relations
- PluginAttributes
- PluginRelations
- PluginAddRelation