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	cker fields	Import Tracker Fiel	ds			No Tabs			
	ID	Name	Туре	List Title	Search Public Mandatory	/ Actions			
C Edit Field X									
	GeneOptio	ral ons for Relations		3					
	Allows to create arbitrary relations between the trackers and other objects in the system.								
d	Relation tiki.bug.related								
C	Relation qualifier. Must be a three-part qualifier containing letters and separated by dots.								
q	Filter tracker_id=5 URL-encoded list of filters to be applied on object selection.								
С	Read	Read-only							
	No								
	Only display the incoming relations instead of manipulating them.								
d I	Inclu	Include Invert							
	Yes	Yes							
L	Include invert relations in the list								
C	Validation								
C-									
C					OK Cance				
Ò	100 Rela	ted-to	Relations			×			
Sav	Save All Go								
Ad	Add Field								

	Solution	This is meant as a quick temporary workaround suggestion until the real solution and/or fix appears. B I S Image: S Image					
	Categories to be merged Assigned To	Resolution details of the issue	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 Improve Usability of search on trackers Friend network email notification has html More control over "Date and time"-field-type format in tracker needed Outlook connector WikiPluginTracker :: double clic Categories in tracker items should be alphabetically sorted in tiki-view_tracker.php				
	Assigned to Person Lastmod by Related-to Guardar	-	thresold Multitiki customizations broken Wiki Ratings doesn't activate upgrading from 1.8.5 Trackback pings should not use fopen to open urls. list gallery in tiki-browse gallery.php	-			
		Search: Search to link to other tracker terms v Guardar & Back to items List	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