Data Channels

Data channels create a named pipe to run profiles from user space. One channel per line. Each line is comma delimited and contain channel name, domain, profile, allowed groups.

You use them with PluginDataChannel. Starting in Tiki6, a payment parameter can be added and thus, the data channel will only be run when the payment is done.

Please see:

http://profiles.tiki.org/Data+Channels

A good example is http://profiles.tiki.org/Project_Management

1.1. Usage with trackerfilter/trackerlists

The idea of it is to let you set up a trackerfilter/trackerlist with checkboxes, let the user select the ones they want, and then run a datachannel (profile) on each item.

Example:

Test page

1.1.1. Tracker list multi select tester

```
{trackerfilter filters="2/d:3/d:4/d" noflipflop="y" trackerId="1" fields="2:3:4:5"
other_filters="1" checkbox="0/itemId" wiki="tracker checkbox test tpl"} ---
{DATACHANNEL(channel="test_channel" emptyCache="none")}
itemId,external=input[name='itemId[]']:checked surname,external=input[name^='surname[']
forename,external=input[name^='forename['] {DATACHANNEL}
```

Pretty tracker template: tracker checkbox test tpl

1.1.2. tracker checkbox test tpl

```
{if $checkbox} {$item.field_values[$checkbox.ix].value|escape} ▢{/if} __{$f_2} {$f_3}
{$f_4}:__ {$f_5}
```

Note

You need is_html enabled and HTMLPurify off at the moment (as of August 2010) for the hidden inputs to work in this example. Could be replaced by {HTML} or some other plugins probably.

1.2. Example usage with hidden fields and Tracker plugin

I show this example because external fields only seem to work with tracker fields of type text, not drop-downs.
Tracker number and field numbers need to be adapted to your Tiki site.

This data channel will show how to create a tracker item and a group and a wiki page which shows the tracker item.

1.2.1. Create Tracker 2

Fields

- Field 5 (Town) is of type "text" (this would also work with the *external* data channel field syntax)
- Field 6 (Country) is of type "Country selector", which looks like a Drop-down
- Field 7 (Continent) is of type "Drop-down"

Gory details of fields extraction

1.2.2. Create data channel

Create Data channel in *Admin → Admin Home → Profiles → Advanced*

> New_Town,tiki://local,template_Add_New_Town,Admins

This creates a data channel which only admins can use.

1.2.3. The page which calls the data channel

This contains the Tracker plugin, the datachannels plugin and the JQ plugin which binds them together

Create New Town

```
-=Create New Town=- {tracker trackerId="2" fields="5:6:7" showtitle="n" formtag="n"}
{DATACHANNEL(channel="New_Town" buttonLabel="Create" class="channel" debug="y" )}
Town,hidden= Country,hidden= Continent,hidden= {DATACHANNEL} {JQ()} // On reporte les
changements $("input[name='ins_5']").bind('change', function() { valeur=$(this).val(); // This
is the syntax for text fields $("input[name='Town']").val(valeur); });
$("select[name='ins_6']").bind('change', function() {
valeur=$(this).find("option:selected").val(); // This is the syntax for drop-down fields
$("input[name='Country']").val(valeur); }); $("select[name='ins_7']").bind('change', function()
{ valeur=$(this).find("option:selected").val(); // This is the syntax for drop-down fields
$("input[name='Continent']").val(valeur); }); {JQ}
```

The JQ plugin will need approval
View details → Approve

1.2.4. The page which contains the data channel code

template_Add_New_Town

This is the template for the data channel {CODE(caption="YAML" wrap="1" colors="yaml")} mappings: #Rename variable for permissions (aka groups) varNameTown: $profilerequest:Town$Unnamed Town$ permissions: #Creates a group named after the Town name, with options varNameTown: autojoin: n description: $profilerequest:Continent$ $ - $profilerequest:Country$ $ #The group description uses other variables objects: - type: group id: varNameTown allow: #Permissions of group varNameTown - group_view - group_view_members - group_add_member - group_remove_member - group_join objects: - type: tracker_item # Create the tracker item ref: town_file_id # This is how we reference the tracker item from within the wiki page data: tracker: 2 status: open values: - [5, $profilerequest:Town$Unnamed Town$] - [6, $profilerequest:Country$ $] - [7, $profilerequest:Continent$ $] - type: wiki_page # Create a page data: name: Town $profilerequest:Town$Unnamed Town$ content: wikicontent:template_Town_Page # the content of the page is defined it this template mode: create wiki_authors_style: none {CODE}

1.3. The page which contains the template for the wiki page which is created with the data channel

This is just to illustrate the use of references.

template_Town_Page

-=Town $profilerequest:Town$Unnamed Town$=- Blah blah {trackerlist trackerId="2" itemId="$profileobject:town_file_id$"} More text

alias

[data channel](#) | [datachannel](#) | [DataChannels](#)