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}

$sitem.field_values[$checkbox.ix].value|escape
<input type="{$checkbox.type}" name="{$checkbox.name[]}" value="{if $checkbox.ix > -1}{$sitem.field_values[$checkbox.ix].value|escape}{else}{$sitem.itemId}{/if}" />
```

```{if $checkbox}

<{$f_2} {$f_3} {$f_4}:__{$f_5}>
<input type="hidden" name="surname[{$sitem.itemId}]" value="{$f_3}" />
<input type="hidden" name="forename[{$sitem.itemId}]" value="{$f_4}" />
```

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-
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

```html
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

```yaml
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.

```yaml
template_Town_Page

Blah blah
{trackerlist trackerId="2" itemId="$profileobject:town_file_id$"}

More text
```
alias
data channel  |  datachannel  |  DataChannels