

Movian - Feature #2504 asynchronous paginator

01/19/2015 09:11 PM - Anatoly Shcherbinin

Status:	Fixed	Start date:	01/19/2015
Priority:	Normal	Due date:	
Assignee:	Andreas Smas	% Done:	100%
Category:	Ecmascript & Duktape	Estimated time:	0.00 hour
Target version:	4.10		

Description

In 4.8 we have duktape engine with asynchronous http request. Unfortunately page's paginator should make request synchronously. So we need asynchronous paginator.

It should have callback function as argument. Calling that method will let showtime know that asynch paginator is performed and have more or have no more items.

For example:

```
(page.paginator = function(haveMore)
{
  page.loading = true;
  showtime.httpReq("https://api.vk.com/method/video.getAlbums", {args:{
    owner_id:owner_id,
    access_token:access_token,
    v:5.23,
    offset:offset,
    count:30,
    extended:1
  }}, function(err, respData)
  {
    var response = showtime.JSONDecode(respData.toString()).response;
    var items = response.items;
    if (0 == items.length)
    {
      page.loading = false;
      haveMore(false);
      return;
    }
    for (var i in items)
    {
      var item = items[i];
      page.appendItem(PLUGIN_NAME + ":videos:" + id + ":" + item.id, 'video', {title:item.title, icon:item.photo_320,
        description:new showtime.RichText(richTxt(item.title, {size:5,color:titleClr})+richTxt("\n\nCount:
"+item.count,{size:4,color:textClr})));
    }
    offset += items.length;
    page.loading = false;
    haveMore(true);
  })());
```

Associated revisions

ecmascript/page: Add asynchronous paginator

Fixes #2504

History

#1 - 01/20/2015 10:51 AM - Andreas Smas

- Status changed from New to Accepted
- Target version set to 4.10

Yes I thought about this the other day.

Well spotted :-)

#2 - 01/24/2015 11:57 AM - Andreas Smas

I think I should also rewrite some plugin to utilize this.

#3 - 01/26/2015 11:00 AM - Andreas Smas

Passing 'haveMore()' as a callback to the paginator comes with a problem though. There's no way to initially tell about if there are more items available.

#4 - 01/26/2015 11:02 AM - Andreas Smas

- Status changed from Accepted to Fixed
- % Done changed from 0 to 100

Applied in changeset commit:git|a1c93366e4ebb299180dff0b2617fc4275465831.

#5 - 01/26/2015 11:03 AM - Andreas Smas

As you can see the fix is very simple

```
Just assign page.asyncPaginator = function() {  
  
};
```

and then do "page.haveMore(true / false)"

You can see this commit: <https://github.com/andoma/showtime-plugin-headweb/commit/b284da55ecee60fe0bae0585bfd912a8db1fd4a> how i added it to the headweb plugin

#6 - 02/01/2015 10:56 PM - Anatoly Shcherbinin

Good news. Thanks. AsyncPaginator works great. New items get loaded before user get to end of the list and no more problem jumping selected item to the list beginning.