PluginModule interface Crash on Custom Module Insert

**Summary**
The plugin for inserting modules into a wiki page has a bug where it crashes whenever it encounters custom modules. The following JS applies some duct-tape to the issue, and prevents the crash. I didn't get too deep into the workings of it, just got it to work. Someone who has worked on it before probably has a better understanding of the whole system, and could determine if this was the way to do it or not (the change could have cascading effects on behavior of pluginModule and how it deals with custom modules?)

**Note:** crash outputs the following error in js console: `Uncaught TypeError: Cannot read property 'params' of undefined tiki-js.js:1304`

**Procedure**
To fix the issue, one can do the following:
Modify `lib/tiki-js.js` line 1303. Change the else statement to an else if, checking for the undefined object which would break things.

Note that the code in the examples below if from tiki 10, not 11, and may be a little bit different in 11, but the problem remains in 11 and the line changed is the same, and fixes it in 11 too.

So, in this block

```javascript
//For PluginModule, add selected module parameters to the plugin edit form
if (type == 'module') {
    //isolate the module parameter object so it will be shown first in the form
    var onlymod = {"params":{"module": meta.params.module}};
    //user has not changed the module selection since opening the form
    if (typeof selectedMod == 'undefined') {
        //pick up the parameters of the saved module parameter
        if (typeof pluginArgs.module != 'undefined') {
            //this orders the module parameter first, module related parameters second, other PluginModule parameters besides module last
            meta.params = $.extend(onlymod.params,
                                    tiki_module_params[pluginArgs.module].params, meta.params);
            //Use the module description
            meta.params.module.description =
                                    tiki_module_params[pluginArgs.module].description;
        } else {
            meta.params = $.extend(onlymod.params,
                                    tiki_module_params[meta.params.module.options[0].value].params, meta.params);
            meta.params.module.description =
                                    tiki_module_params[meta.params.module.options[0].value].description;
        }
    } else {
        //user has selected another module while the form was open - pick up parameters for the selected module
        meta.params = $.extend(onlymod.params,
                                tiki_module_params[selectedMod].params, meta.params);
        meta.params.module.description =
                                tiki_module_params[selectedMod].description;
    }
}
```

change this statement

```javascript
} else {
    meta.params = $.extend(onlymod.params,
                tiki_module_params[selectedMod].params, meta.params);
    meta.params.module.description =
                tiki_module_params[selectedMod].description;
}
```
Context
The issue is caused because the module plugin tries to get the parameters for the object to display in the interface, but for custom modules there are none. The tiki_module_params object stores a parameters object for each module as the value for an attribute named after the module (e.g., `tiki_module_params[mymodule]` would return the params object for `mymodule`). The problem is that if there are no parameters for the object, it sets the value for the module attribute to false, and the unmodified else statement above from `lib/tiki-js.js` will try to read the attribute .params from the false object, which will fail, and the js will crash.

Another possible solution to this issue could be to populate the value as an empty object instead of false, in `tiki-jsmodule.php`.

Solution
I had fixed "pluginModule interface Crash" issue in 12.x.

Please check this commit id: 48363

Thanks jcarter.

Updated:

commit backported to 11.x and 10.x

11.x -> commit id: 48657
10.x -> commit id: 48658

Importance
8

Easy to solve?
8

Priority
64

Demonstrate Bug
Please demonstrate your bug on show2.tikiwiki.org

Version: [trunk](https://tikiwiki.org/instance)
Comments

Marc Laporte 21 Nov 13 19:29 GMT-0000
I don't understand why
http://jcarter-11387-4668.show.tikiwiki.org/tiki-admin.php?page=general is on 11.x
Is the issue on 11.x or 12.x?
If it's both, commit should be backported to 11.x
Thanks!

jcarter 21 Nov 13 20:27 GMT-0000
I submitted the bug because I encountered it on 10 and 11, and submitted the bug for 11, demonstrating it at that time. If it has not been pushed to 11, then I don't see why it wouldn't still be there, and you're right, it should probably be backported.
I tested on 12 too, just now, pulling the latest code from 12 with SVN it is still broken for me, but with an undefined call on a different line. Had the same issue on trunk.

Pascal St-Jean 23 Nov 13 22:34 GMT-0000
See show instance for fix demo. I tried various custom modules and they all worked. If your use case still breaks then there is probably something in your custom module causing the issue at which point we need to evaluate that specific use case
thank you

Attachments

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No attachments for this item

The original document is available at
http://dev.tiki.org/item4668-PluginModule-interface-Crash-on-Custom-Module-Insert

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