Debugger Console

See also [Kint](#)

	Rating	Subject	Submitted by	Importance	Easy to solve?	Priority	Category	Volunteered to solve	Created	LastModif	Comments
✪	★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ (0) ❓	[smarty {debug} function gives PHP error "E_USER_WARNING"](#)	sinnlos	7		35	• Error		2009-06-26	2009-08-18	0
✪	★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ (0) ❓	[Debugger console no longer appears](#)	luciash d' being ?	7		35	• Regression		2014-01-29	2014-01-30	0
●	★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ (0) ❓	[debugger console breaks the admin panels](#)	pkdille			25	• Error		2010-02-13	2010-05-06	0
✪	★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ ★★✦ ✦★★ (0) ❓	[Bad contrast for debug console using the default theme](#)	Bernard Sfez / Tiki Specialist	4	10 easy	40	• Usability • Less than 30-minutes fix • Easy for Newbie Dev		2018-11-25	2018-11-28	2 Bsfez-28 Nov 18

Also see {debug} which can be used in Smarty Templates as described in [template tricks](#).

General Description

For a TikiAdmin this tool is a great first step towards making Tiki as easy to debug as it is to extend and modify!

Overview

When processing a page, your code can send output to the debug console with commands such as $debugger->msg("your message"). This writes the output to the debugconsole which you can then view by displaying the console.

When executing debugging commands, the page is re-loaded with the output of the debugging commands

written to the debugconsole. This may pose problems for pages which are processing user input, uploading files, or that crash and do not return.

The debug console is embedded within a div class="debugconsole" id="debugconsole" which is turned on by clicking on the link to toggle the console. Careful inspection will note that the footer.tpl includes tiki-debug_console.php which handles the processing after most of the rest of the page has already executed.

General Notes

- Enable debugger console by selecting checkbox on Admin -> Features -> Administration Features.
- Debugger can be extended with commands and/or interface extensions (tabs).
- Every command in debugger is a PHP class.
- Sources `lib/debug`
- Search for `debug-command_*.php` it is filenames mask... for debugger commands
- one command one class one file

Key Function and sub-features

General info

```
*help        Display list of commands or help for specified command (help print for
example)
*tikitables    Show list of Tiki tables in DB schema
*features      Show features on/off state
*perm          Show current permissions in a convenient way
*print  Print PHP variable. Indexes are OK.
*slist  Display list of Smarty variables. Better to specify partial name or
                very long list of vars will return.
*sprint        Print Smarty variable
*watch  Manage variables watch list
*sql           Exec SQL query on Tiki DB
```

How to extend debugger

Look for example skeleton lib/debug/debugger-command_test.php

Related Links

Typical Uses

Debug messages on console

It is possible to print debug info to special debug tab called 'Debug messages' during page generation. It is possible from PHP and Smarty as well.

```
Dump Smarty variable from template:
{var_dump var=left_modules}

Dump Smarty variable from template using modificator:
{$description|str_replace:&quot;\n&quot;:&quot;&lt;br /&gt;&quot;|dbg}
```

Of couse modificator `dbg` can be used more than once:

```
{$description|dbg|str_replace:&quot;\n&quot;:&quot;&lt;br /&gt;&quot;|dbg}
```

... so you will get 2 messages before and after modification of $description.

```
// PHP code
global $debugger;
// Print message
$debugger-&gt;msg(&#039;Value of $myvar = &quot;&#039;.$myvar.&#039;&quot;&#039;);
// Print variable
$debugger-&gt;var_dump(&#039;$myvar&#039;);
```

Case Studies

Bugs

Non command-line commands should not print help. — Fixed in CVS.

Support Requests

We need more examples of the commands that are being passed here...

TikiTeam

zaufi

For more information

lookup sources lib/debug

Related links

- Debugging tools deployable within Tiki

alias

- TikiDebuggerConsole