

Klish - Kommand Line Interface Shell - Bug #22

Wrong \${cur_pwd} value

09/18/2018 06:25 AM - Anonymous

Status:	Resolved	Start date:	09/18/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

I create test xml file

```
<CLISH_MODULE>
```

```
<COMMAND help="Print" name="print">
  <ACTION>
    echo cmd: ${__cmd}
    echo orig_cmd: ${__orig_cmd}
    echo full_cmd: ${__full_cmd}
    echo params: ${__params}
    echo line: ${__line}
    echo full_line: ${__full_line}
    echo prefix: ${__prefix}
    echo cur_depth: ${__cur_depth}
    echo cur_pwd: ${__cur_pwd}
  </ACTION>
</COMMAND>
```

```
<VIEW name="root-view" restore="depth" depth="0">
  <COMMAND help="" name="deep1" view="my1-view"/>
  <NAMESPACE ref="my1-view" help="true" completion="true" prefix="deep1"/>
</VIEW>
```

```
<VIEW name="my1-view" depth="1" prompt="my1-view# ">
  <COMMAND help="" view="my2-view" name="deep2"/>
  <NAMESPACE ref="my2-view" help="true" completion="true" prefix="deep2"/>
</VIEW>
```

```
<VIEW name="my2-view" depth="2" prompt="my2-view# ">
  <COMMAND help="" name="deep3" view="my3-view"/>
  <NAMESPACE ref="my3-view" help="true" completion="true" prefix="deep3"/>
</VIEW>
```

```
<VIEW name="my3-view" depth="3" prompt="my3-view# ">
</VIEW>
```

```
</CLISH_MODULE>
```

Default view "root-view". If from "root-view" execute command

```
root-view# deep1 deep2 deep3
my3-view#

my3-view# print
cmd: print
orig_cmd: print
full_cmd: print
params:
```

```
line: print
full_line: print
prefix:
cur_depth: 3
cur_pwd:

my3-view# exit
clish: clish/shell/shell_tinyrl.c: 34: clish_shell_renew_prompt: Assertion `view' failed.
Aborted
```

then `${cur_pwd}` will contain empty path instead "deep1 deep2 deep3" and if I try execute exit klish crash. But if before that we do next command

```
root-view# deep1
my1-view# deep2
my2-view# deep3
my3-view# exit
my2-view# exit
my1-view# exit
root-view# deep1 deep2 deep3
my3-view#
```

```
my3-view# print
cmd: print
orig_cmd: print
full_cmd: print
params:
line: print
full_line: print
prefix:
cur_depth: 3
cur_pwd: deep1 deep2 deep3
```

then `${cur_pwd}` will contain valid value

Check on version 2.1.3 and 2.1.4

History

#1 - 09/20/2018 04:37 PM - Serj Kalichev

- Status changed from New to In Progress

I need some time to think about it.

The problem is the VIEWS have constant depth values. In your example the klish really has no entries with depths of 2 and 1. "Exit" is broken because it changes the view to the previous view in path stack. But we get into depth=3 immediately after depth=0.

I plan some klish refactoring to get rid of constant VIEW depth. May be it's the only way to implement path stack in a right way.

#2 - 09/25/2018 02:30 PM - Serj Kalichev

- Status changed from In Progress to Resolved

Fixed in branch 2.1

Internal function "clish_nested_up" now searches for the first not-null entry in pwd stack. So execution of "exit" in deep3 will change view to the "root_view".

The `cur_pwd` var was fixed. But note it shows the command name without prefix. So the output will be something like this:

```
$ deep1
$ deep2
$ deep3
```

```
$ print  
cur_pwd: deep1 deep2 deep3
```

but

```
$ deep1 deep2 deep3  
$ print  
cur_pwd: deep3
```