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 Subject: [apache-modules] SEGV in ap_set_string_slot (apache 2.0.47)
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 Date: [2003-09-04 5:51:57](#)
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Hi all,

I am developing a C++ module. I am using ap_set_string_slot to populate server config structure. But I am getting a crash as below:

```
t@1 (l@1) terminated by signal SEGV (no mapping at the fault address)
0x00033998: ap_set_string_slot+0x000c: st      %o2, [%o1 + %o3]
(.../share/forte_dev,v6.2/SUNWspro/bin/../../WS6U2/bin/sparcv9/dbx)
where
current thread: t@1
=>[1] ap_set_string_slot(0x0, 0x0, 0xc9e88, 0x0, 0x0, 0xfec8265c), at
0x33998
[2] invoke_cmd(0xfde7c890, 0xffbfa68, 0x0, 0xb37f8, 0x79a70,
0xc6519), at 0x329f8
[3] ap_walk_config_sub(0x0, 0xffbfa68, 0xc62f8, 0x118, 0x118,
0x93d10), at 0x33710
[4] ap_walk_config(0xb37d8, 0xffbfa68, 0xc62f8, 0xc8380, 0x55,
0xb2e78), at 0x337b4
[5] virtualhost_section(0xffbfa68, 0x94378, 0xc8370, 0x43f58, 0x0,
0xfe39aa98), at 0x44008
[6] invoke_cmd(0x5a39c, 0xffbfa68, 0x94378, 0xb2e98, 0x79a70,
0xff0000), at 0x329f8
[7] ap_walk_config_sub(0x0, 0xffbfa68, 0x94268, 0xfe137ec8,
0xff31eb94, 0xfec31fb0), at 0x33710
[8] ap_walk_config(0xb2e78, 0xffbfa68, 0x94268, 0x6e538, 0xffffffff,
0xffffffff), at 0x337b4
[9] ap_process_config_tree(0x93ca0, 0x95810, 0x79a70, 0xa5b20, 0x0,
0x0), at 0x342a8
[10] main(0x93ca0, 0x79a70, 0xffbefbc8, 0x7085c, 0x0, 0x0), at 0x369dc
```

My code snippet is as below:

```
static command_rec config_lbplugin_cmds[] = {
    {"config-file", NULL,
 (void*)APR_OFFSETOF(APACHELBPLUGIN_SERVER_CONFIG, CONFIG_FILE_PATH),
 OR_ALL, TAKE1, "the lb.xml file"},
    {"locale", NULL,
 (void*)APR_OFFSETOF(APACHELBPLUGIN_SERVER_CONFIG, LOCALE), OR_ALL,
 TAKE1, "the locale"},
    {NULL, NULL, NULL, 0, cmd_how(0), NULL }
};
```

I initialise the cmd_func fields set to NULL above, inside register_hooks function as below. (This is a hack since it was refusing to compile under Forte 6.2 C++ compiler probably due to missing support of designated initializers).

```
/* Register Hooks */
static void apachelbplugin_register_hooks(apr_pool_t *p)
{
    config_lbplugin_cmds[0].func.take1 = ap_set_string_slot;
    config_lbplugin_cmds[1].func.take1 = ap_set_string_slot;
```

```
    ap_hook_post_config(apache_lbplugin_init, NULL, NULL,  
APR_HOOK_FIRST);  
    ap_hook_translate_name(apache_lbplugin_name_trans, NULL, NULL,  
APR_HOOK_MIDDLE);  
    ap_hook_handler(apache_lbplugin_handle_req, NULL, NULL,  
APR_HOOK_LAST);  
}
```

Appreciate any help in this regard

thanks
K.Srinivasan

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I want to know how God created universe, rest are just details
- Albert Einstein

Ptolemy created a universe that existed for 1000 years;
Copernicus created a universe that existed for 400 years;
Now Einstein has created a universe;
I don't know how long this will live
- G.Bernard Shaw

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