

## GlideinWMS - Bug #21527

### The factory seems to ignore the configuration values in the files in the config.d directory w/ entry configurations

12/11/2018 05:00 PM - Marco Mambelli

<b>Status:</b>	Closed	<b>Start date:</b>	12/11/2018
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Lorena Lobato Pardavila	<b>% Done:</b>	0%
<b>Category:</b>	Configuration Management	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	v3_4_3	<b>Spent time:</b>	0.00 hour
<b>First Occurred:</b>		<b>Stakeholders:</b>	HEPCloud
<b>Occurs In:</b>			
<b>Description</b>			
The Factory seems to ignore the entry configuration values and return the default/global values.			
Here the email from Steve Timm:			
<pre>Factories cmsrv280 and fermifactory01 were recently upgraded to the latest glideinwms 3.4.1-1. Both are set to have a default value of</pre>			
<pre>&lt;attr name="GLIDEIN_Max_Walltime" const="False" glidein_publish="False" job_publish="False" parameter="True" publish="True" type="int" value="2600000"/&gt;</pre>			
in the top level glideinwms.xml			
However we override that value on most individual entries of the factory			
<pre>&lt;attr name="GLIDEIN_Max_Walltime" const="True" glidein_publish="False" job_publish="False" parameter="True" publish="True" type="int" value="86400"/&gt;</pre>			
It seems that the override value is no longer being used. The glideins are being submitted with the default (extra long) value for GLIDEIN_Max_Walltime.			
Please investigate.			
Steven Timm			
<b>Related issues:</b>			
Related to GlideinWMS - Support #21537: Double-check functions that deal with...		<b>Closed</b>	<b>12/12/2018</b>

### History

#### #1 - 12/12/2018 03:57 PM - Marco Mambelli

- Target version changed from v3\_5 to v3\_4\_3
- Stakeholders updated

#### #2 - 12/13/2018 09:28 AM - Marco Mascheroni

- Status changed from New to Feedback
- Assignee changed from Marco Mascheroni to Lorena Lobato Pardavila

#### #3 - 12/13/2018 12:26 PM - Lorena Lobato Pardavila

- Status changed from Feedback to Assigned
- Assignee changed from Lorena Lobato Pardavila to Marco Mascheroni

#### #4 - 12/14/2018 12:07 PM - Lorena Lobato Pardavila

- Status changed from Assigned to Resolved

**#5 - 12/14/2018 12:09 PM - Lorena Lobato Pardavila**

- Status changed from Resolved to Assigned

**#6 - 12/14/2018 12:13 PM - Lorena Lobato Pardavila**

- Status changed from Assigned to Resolved

**#7 - 12/17/2018 08:31 AM - Marco Mascheroni**

- Status changed from Resolved to Feedback

**#8 - 12/17/2018 10:51 AM - Marco Mascheroni**

- Assignee changed from Marco Mascheroni to Lorena Lobato Pardavila

**#9 - 12/17/2018 03:35 PM - Lorena Lobato Pardavila**

- Status changed from Feedback to Resolved

- Assignee changed from Lorena Lobato Pardavila to Marco Mascheroni

There were some CI errors related to unittests and futurize corrected in v34/21527\_1. It should be fine now

Already merged into master.

**#10 - 01/13/2019 02:47 AM - Marco Mambelli**

- File glideinWMS.xml added

- Status changed from Resolved to Work in progress

I seem still to have a similar problem.

The variables GLIDEIN\_REQUIRE\_VOMS and GLIDEIN\_REQUIRE\_GLEXEC\_USE are controlled also by "require\_voms\_proxy" and "require\_glidein\_glexec\_use"

I seem to be unable to set them to false in the constants file.

These are present in both variable and constant files, are inconsistent and I did not get any warning in reconfig/upgrade (at least in SL7):

```
# File: constants.jlbi13.cfg
#
GLEXEC_JOB      False
GLIDEIN_Site    ITB_FC_CE2
USE_CCB         True
GLIDEIN_Gatekeeper  fermicloud025.fnal.gov/jobmanager-condor
GLIDEIN_GridType    gt2
GLIDEIN_REQUIRE_VOMS    True
GLIDEIN_REQUIRE_GLEXEC_USE    True
GLIDEIN_TrustDomain    grid
GLIDEIN_SupportedAuthenticationMethod    grid_proxy
GLIDEIN_GlobusRSL      (queue=default)(jobtype=single)
GLIDEIN_SlotsLayout    fixed
GLIDEIN_WorkDir         OSG
GLIDEIN_Verbosity       std
```

and

```
# File: condor_vars.jld2zd.lst
#
# VarName          Type      Default          CondorName          Req.      Export  UserName
#                  S=Quote - = No Default + = VarName          Condor  - = Do not ex
port
#                  + = Use VarNa
me
#                  @ = Use Condo
rName
#####
#####
GLIDEIN_Site      S        -                +                N        Y        +
USE_CCB           S        -                +                N        Y        -
GLIDEIN_REQUIRE_VOMS    I        True            +                N        Y        +
GLIDEIN_REQUIRE_GLEXEC_USE    I        False          +                N        Y        +
```

Attached is the glideinWMS.xml

#### #11 - 01/13/2019 09:14 AM - Marco Mambelli

And if I set the same variable as constant and not in the global section I get this error w/ reconfig or upgrade:

```
# /usr/sbin/gwms-factory reconfig
Using default factory config file: /etc/gwms-factory/glideinWMS.xml
Reconfiguring the factoryTraceback (most recent call last):
  File "/sbin/reconfig_glidein", line 227, in <module>
    conf = factoryXmlConfig.parse(xml)
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/factoryXmlConfig.py", line 321, in parse
    conf.merge_defaults(conf_def)
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/xmlConfig.py", line 170, in merge_defaults
    self.children[tag].merge_defaults(default.children[tag])
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/xmlConfig.py", line 214, in merge_defaults
    child.merge_defaults(default.children[0])
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/xmlConfig.py", line 172, in merge_defaults
    self.validate()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/factoryXmlConfig.py", line 42, in validate
    self.check_overwrite_soundness()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/factoryXmlConfig.py", line 56, in check_overw
rite_soundness
    entry = self.parent.parent.getName()
AttributeError: 'Config' object has no attribute 'getName'
[FAILED]
```

#### #12 - 01/13/2019 07:36 PM - Marco Mambelli

Some more info.

The problems I'm having w/ GLIDEIN\_REQUIRE\_VOMS and GLIDEIN\_REQUIRE\_GLEXEC\_USE may be related to the <restrictions section in glideinWMS.xml

I did not find documentation for it but it seems to affect these configuration variables and don't know if it considers them constant o variables.

And it seems not to be handled correctly.

I found no way to set GLIDEIN\_REQUIRE\_VOMS to false.

And the configuration used to work and is not giving any warning during reconfig.

Here is also an upgrade execution w/ all the stack traces in case it is useful:

```
# /usr/sbin/gwms-factory reconfig
Using default factory config file: /etc/gwms-factory/glideinWMS.xml
Reconfiguring the factoryMMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
  File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
  File "/sbin/reconfig_glidein", line 93, in main
    old_glidein_dicts_obj.load()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 1494, in load
    self.main_dicts.load()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 613, in load
    load_main_dicts(self.dicts)
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 236, in load_main_dicts
    load_common_dicts(main_dicts, main_dicts['description'])
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 211, in load_common_dic
ts
    dicts['attrs'].load()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 208, in load
    self.load_from_fd(fd, erase_first, set_not_changed)
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
    self.parse_val(line)
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 855, in parse_val
    return self.add(key, eval(val))
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
  File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
  File "/sbin/reconfig_glidein", line 93, in main
    old_glidein_dicts_obj.load()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 1494, in load
    self.main_dicts.load()
  File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 613, in load
    load_main_dicts(self.dicts)
```

```

File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 236, in load_main_dicts
    load_common_dicts(main_dicts, main_dicts['description'])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 217, in load_common_dicts
    dicts['consts'].load(fname=file_el[cWConsts.CONSTS_FILE][0])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 208, in load
    self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 235, in load_from_fd
    self.parse_val(line)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 299, in parse_val
    return self.add(key, val)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
    old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 1506, in load
    self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 444, in load
    cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 659, in load
    load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dicts
    load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 211, in load_common_dicts
    dicts['attrs'].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 208, in load
    self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 235, in load_from_fd
    self.parse_val(line)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 855, in parse_val
    return self.add(key, eval(val))
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
    old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 1506, in load
    self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 444, in load
    cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 659, in load
    load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dicts
    load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 217, in load_common_dicts
    dicts['consts'].load(fname=file_el[cWConsts.CONSTS_FILE][0])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 208, in load
    self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 235, in load_from_fd
    self.parse_val(line)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 299, in parse_val
    return self.add(key, val)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE in variables (GLIDEIN_REQUIRE_GLEXEC_USE, ['I', 'False', '+', 'N', 'Y', '+'])
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, ['I', 'False', '+', 'N', 'Y', '+'])
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
    old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 1506, in load

```

```

self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 444, in load
cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 659, in load
load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dict
s
load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 218, in load_common_dic
ts
dicts['vars'].load(fname=file_el[cWConsts.VARS_FILE][0])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 208, in load
self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
self.parse_val(line)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 989, in parse_val
return self.add(key, arr[1:])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 933, in add
return DictFile.add(self, key, val, allow_overwrite)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
File "/sbin/reconfig_glidein", line 252, in <module>
main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 1506, in load
self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 444, in load
cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 659, in load
load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dict
s
load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 211, in load_common_dic
ts
dicts['attrs'].load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 208, in load
self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
self.parse_val(line)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 855, in parse_val
return self.add(key, eval(val))
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
File "/sbin/reconfig_glidein", line 252, in <module>
main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 1506, in load
self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 444, in load
cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 659, in load
load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dict
s
load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 217, in load_common_dic
ts
dicts['consts'].load(fname=file_el[cWConsts.CONSTS_FILE][0])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 208, in load
self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
self.parse_val(line)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 299, in parse_val
return self.add(key, val)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 872, in add
DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE in variables (GLIDEIN_REQUIRE_GLEXEC_USE, ['I', 'False', '+', 'N', '
Y', '+'])

```

```

MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, ['I', 'False', '+', 'N', 'Y', '+'])
File "/sbin/reconfig_glidein", line 252, in <module>
  main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
  old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 1506, in load
  self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 444, in load
  cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 659, in load
  load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dict
s
  load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 218, in load_common_dic
ts
  dicts['vars'].load(fname=file_el[cWConsts.VARS_FILE][0])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 208, in load
  self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
  self.parse_val(line)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 989, in parse_val
  return self.add(key, arr[1:])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 933, in add
  return DictFile.add(self, key, val, allow_overwrite)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
  traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
File "/sbin/reconfig_glidein", line 252, in <module>
  main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
  old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 1506, in load
  self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 444, in load
  cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 659, in load
  load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dict
s
  load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 211, in load_common_dic
ts
  dicts['attrs'].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 208, in load
  self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
  self.parse_val(line)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 855, in parse_val
  return self.add(key, eval(val))
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
  traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, WasTru2dCTF)
File "/sbin/reconfig_glidein", line 252, in <module>
  main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
  old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 1506, in load
  self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 444, in load
  cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 659, in load
  load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dict
s
  load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWDictFile.py", line 217, in load_common_dic
ts
  dicts['consts'].load(fname=file_el[cWConsts.CONSTS_FILE][0])
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 208, in load
  self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
  self.parse_val(line)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 299, in parse_val
  return self.add(key, val)

```

```

File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE in variables (GLIDEIN_REQUIRE_GLEXEC_USE, ['I', 'False', '+', 'N', 'Y', '+'])
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, ['I', 'False', '+', 'N', 'Y', '+'])
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 93, in main
    old_glidein_dicts_obj.load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 1506, in load
    self.sub_dicts[sub_name].load()
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 444, in load
    cgWDictFile.glideinEntryDicts.load(self)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 659, in load
    load_entry_dicts(self.dicts, self.sub_name, self.summary_signature)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 248, in load_entry_dicts
    load_common_dicts(entry_dicts, entry_dicts['description'])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWDictFile.py", line 218, in load_common_dicts
    dicts['vars'].load(fname=file_el[cWConsts.VARS_FILE][0])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 208, in load
    self.load_from_fd(fd, erase_first, set_not_changed)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 235, in load_from_fd
    self.parse_val(line)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 989, in parse_val
    return self.add(key, arr[1:])
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 933, in add
    return DictFile.add(self, key, val, allow_overwrite)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 590, in populate
    self.main_dicts.populate(other)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 258, in populate
    add_attr_unparsed(attr, self.dicts, "main")
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 751, in add_attr_unparsed
    add_attr_unparsed_real(attr, dicts)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 782, in add_attr_unparsed_real
    dicts['attrs'].add(attr_name, attr_val)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, False)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 590, in populate
    self.main_dicts.populate(other)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 258, in populate
    add_attr_unparsed(attr, self.dicts, "main")
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 751, in add_attr_unparsed
    add_attr_unparsed_real(attr, dicts)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 783, in add_attr_unparsed_real
    dicts['consts'].add(attr_name, attr_val)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/ glideinwms/creation/lib/cgWParamDict.py", line 623, in populate

```

```

    self.sub_dicts[entry_name].populate(entry, schedd)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 501, in populate
    self.dicts[dtype].add("GLIDEIN_REQUIRE_GLEXEC_USE", bool(restrictions[u'require_glidein_glexec_use']), all
ow_overwrite=True)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 501, in populate
    self.dicts[dtype].add("GLIDEIN_REQUIRE_GLEXEC_USE", bool(restrictions[u'require_glidein_glexec_use']), all
ow_overwrite=True)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE in variables (GLIDEIN_REQUIRE_GLEXEC_USE, ('I', u'False', '+', 'N',
'Y', '+'))
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, ('I', u'False', '+', 'N', 'Y', '+'))
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 515, in populate
    self.dicts['vars'].add_extended("GLIDEIN_REQUIRE_GLEXEC_USE", "boolean", restrictions[u'require_glidein_gl
exec_use'], None, False, True, True)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 973, in add_extended
    self.add(key, (type_str, val_default, condor_name, req_str, export_condor_str, user_name), allow_overwrite
)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 933, in add
    return DictFile.add(self, key, val, allow_overwrite)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 501, in populate
    self.dicts[dtype].add("GLIDEIN_REQUIRE_GLEXEC_USE", bool(restrictions[u'require_glidein_glexec_use']), all
ow_overwrite=True)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 501, in populate
    self.dicts[dtype].add("GLIDEIN_REQUIRE_GLEXEC_USE", bool(restrictions[u'require_glidein_glexec_use']), all
ow_overwrite=True)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE in variables (GLIDEIN_REQUIRE_GLEXEC_USE, ('I', u'False', '+', 'N',
'Y', '+'))
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, ('I', u'False', '+', 'N', 'Y', '+'))
File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 515, in populate

```



```

    self.dicts['vars'].add_extended("GLIDEIN_REQUIRE_GLEXEC_USE", "boolean", restrictions[u'require_glidein_gl
exec_use'], None, False, True, True)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 973, in add_extended
    self.add(key, (type_str, val_default, condor_name, req_str, export_condor_str, user_name), allow_overwrite
)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 933, in add
    return DictFile.add(self, key, val, allow_overwrite)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
    File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
    File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 501, in populate
    self.dicts[dtype].add("GLIDEIN_REQUIRE_GLEXEC_USE", bool(restrictions[u'require_glidein_glexec_use']), all
ow_overwrite=True)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, True)
    File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
    File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 501, in populate
    self.dicts[dtype].add("GLIDEIN_REQUIRE_GLEXEC_USE", bool(restrictions[u'require_glidein_glexec_use']), all
ow_overwrite=True)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 872, in add
    DictFile.add(self, key, str(val), allow_overwrite)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE in variables (GLIDEIN_REQUIRE_GLEXEC_USE, ('I', u'False', '+', 'N',
'Y', '+'))
MMDB found set GLIDEIN_REQUIRE_GLEXEC_USE (GLIDEIN_REQUIRE_GLEXEC_USE, ('I', u'False', '+', 'N', 'Y', '+'))
    File "/sbin/reconfig_glidein", line 252, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
    File "/sbin/reconfig_glidein", line 96, in main
    glidein_dicts_obj.populate(old_glidein_dicts_obj)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 623, in populate
    self.sub_dicts[entry_name].populate(entry, schedd)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cgWParamDict.py", line 515, in populate
    self.dicts['vars'].add_extended("GLIDEIN_REQUIRE_GLEXEC_USE", "boolean", restrictions[u'require_glidein_gl
exec_use'], None, False, True, True)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 973, in add_extended
    self.add(key, (type_str, val_default, condor_name, req_str, export_condor_str, user_name), allow_overwrite
)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 933, in add
    return DictFile.add(self, key, val, allow_overwrite)
    File "/usr/lib/python2.7/site-packages/glideinwms/creation/lib/cWDictFile.py", line 84, in add
    traceback.print_stack()
...Reconfigured glidein 'gfactory_instance' is complete
...Active entries are:
    ITB_FC_CE3
    ITB_FC_CE2
...Verifying rrd schema
...Submit files are in /var/lib/gwms-factory/work-dir
[ OK ]

```

### #13 - 01/14/2019 02:43 PM - Marco Mambelli

A clarification about all my comments above.

There are 2 separate errors:

1. probably caused by the previous code in this ticket: the name is not defined outside of the entry/entryset sections, so the warning message is failing (causing the exception). The first stack trace refers to this
2. I seem unable to set to false the variables GLIDEIN\_REQUIRE\_VOMS and GLIDEIN\_REQUIRE\_GLEXEC\_USE, the Factory configuration is ignoring what I set in the config file and set them to true (another case of the original problem reported in the ticket). All the other stack traces refer to this and were artificially caused by me by adding a traceback.print in the code to try to understand what the code was doing. The code was not crashing, simply setting the variables always to true

### #14 - 01/14/2019 04:12 PM - Marco Mascheroni

1. I did not consider one could set the same attribute in the global section twice. I fixed this corner case
2. It was related to the changes in [#21325](#) and the fact that

```
bool(u'False')==True
```

I created v34/21527\_2 for 1.

**#15 - 01/14/2019 04:12 PM - Marco Mascheroni**

- Status changed from *Work in progress* to *Feedback*
- Assignee changed from *Marco Mascheroni* to *Lorena Lobato Pardavila*

**#16 - 01/14/2019 08:03 PM - Lorena Lobato Pardavila**

- Status changed from *Feedback* to *Resolved*

Tested and merged into master. It should be fine now.

**#17 - 01/26/2019 09:12 PM - Marco Mambelli**

- Status changed from *Resolved* to *Closed*

**#18 - 02/15/2019 10:15 AM - Lorena Lobato Pardavila**

- Related to Support #21537: Double-check functions that deal with boolean *ClassAd* facing possible misleading behavior added

**Files**

---

glideinWMS.xml	9.06 KB	01/13/2019	Marco Mambelli
----------------	---------	------------	----------------