

GlideinWMS - Bug #23768

Bug in multiple credential distribution

12/15/2019 04:36 PM - Steven Timm

Status:	New	Start date:	12/15/2019
Priority:	Normal	Due date:	
Assignee:	Marco Mambelli	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_6_6	Spent time:	0.00 hour
First Occurred:		Stakeholders:	
Occurs In:	v3_4_6		

Description

On system gpffrontend01 (currently running gwms 3.4.5, and OSG production factory gfactory-2.opensciencegrid.org, also running 3.4.5 we see the following problem:

We have defined on the frontend a group group_nova with two different credential definitions. (whole definition of the group is attached below). One is grid_proxy only and the other is type grid_proxy+project_id.

The factory query_expr of this group matches six entries in the factory, five of which require credential type grid_proxy and one (NOVA_US_OSC_osg_condor) which requires ja_grid_proxy+project_id

What we observe is that when we have both credentials enabled, we get an error

```
2019-12-04 15:41:25,966] WARNING: glideinFrontendInterface:1002: No security credentials match for factory pool gfactory-2.opensciencegrid.org, not advertising request; if this is not intentional, check for typos frontend's credential trust_domain and type, vs factory's pool trust_domain and auth_method
```

This error comes only when trying to advertise credentials to NOVA_US_OSG_osg_condor entry. The other entries have been working well for months.

If we comment out the grid_proxy only credential, effectively sending a grid_proxy+project_id credential to all six entries, then everything works ok, but at the cost of sending the extra credential to five entries where it is not needed.

```
</group>
  <group name="nova" enabled="True">
    <config ignore_down_entries="">
      <glideins_removal margin="0" requests_tracking="False" type="NO" wait="0"/>
      <idle_glideins_lifetime max="0"/>
      <idle_glideins_per_entry max="100" reserve="5"/>
      <idle_vms_per_entry curb="100" max="110"/>
      <idle_vms_total curb="200" max="1000"/>
      <processing_workers matchmakers="3"/>
      <running_glideins_per_entry max="10000" min="0" relative_to_queue="1.0"/>
      <running_glideins_total curb="90000" max="100000"/>
    </config>
    <match match_expr='not job.has_key("RequestGPUs")' start_expr='stringListIMember("group_nova", TARGET.AccountingGroup, ".") && isUndefined(TARGET.RequestGPUs) && isUndefined(TARGET.JobFactoryType) '>
      <factory query_expr='stringListIMember("Nova", GLIDEIN_Supported_VOs) && (GLIDEIN_Site != "FNAL") && (FactoryType =?= "production")'>
        <match_attrs>
          </match_attrs>
        <collectors>
          </collectors>
        </factory>
        <job query_expr='stringListIMember("group_nova", AccountingGroup, ".") && isUndefined(RequestGPUs) && isUndefined(JobFactoryType) '>
```

```

        <match_attrs>
        </match_attrs>
        <schedds>
        </schedds>
    </job>
</match>
<security>
    <credentials>
        <credential absfname="/etc/gwms-frontend/proxies/nova_proxy" project_id="PES0665
" security_class="frontend" trust_domain="grid" type="grid_proxy+project_id"/>
<!-- It should have worked to have both types of credential in this group but we are getting a
n error at the moment. sending the grid_proxy+project_id to all nova resources until we figure it
out
        <credential absfname="/etc/gwms-frontend/proxies/nova_proxy" security_class="fr
ontend" trust_domain="grid" type="grid_proxy"/>
-->
        </credentials>
    </security>
    <attrs>
    </attrs>
    <files>
    </files>
</group>
-----

<entry name="Nova_US_OSC_osg_condor" auth_method="grid_proxy+project_id" comment="Added for Nov
a 2017 ggus 33565--VG Note this site requires TMPDIR" enabled="True" gatekeeper="osg-ce.hpc.
osc.edu osg-ce.hpc.osc.edu:9619" gridtype="condor" trust_domain="grid" verbosity="std" work_dir="T
MPDIR">
    <config>
        <max_jobs>
            <default_per_frontend glideins="5000" held="50" idle="100"/>
            <!--per_entry comment="admins want 1k max at site 2013-11-06
Jeff" glideins="1000" held="100" idle="200"-->
            <per_entry comment="cap until Ken can check on unmatching" glideins="2" held="1"
idle="1"/>
            <per_frontends>
            </per_frontends>
        </max_jobs>
        <release max_per_cycle="20" sleep="0.2"/>
        <remove max_per_cycle="5" sleep="0.2"/>
        <restrictions require_glidein_glexec_use="False" require_voms_proxy="False"/>
        <submit cluster_size="10" max_per_cycle="10" sleep="2" slots_layout="fixed">
            <submit_attrs>
                <submit_attr name="+maxMemory" value="4096"/>
                <submit_attr name="+maxWallTime" value="1440"/>
                <submit_attr name="+xcount" value="1"/>
                <submit_attr name="+queue" value="&quot;batch&quot;"/>
            </submit_attrs>
        </submit>
    </config>
    <allow_frontends>
    </allow_frontends>
    <attrs>
        <attr name="GLEXEC_BIN" const="True" glidein_publish="False" job_publish="False" pa
rameter="True" publish="True" type="string" value="NONE"/>
        <attr name="GLIDEIN_CPUS" const="True" glidein_publish="False" job_publish="True" p
arameter="True" publish="True" type="string" value="1"/>
        <attr name="GLIDEIN_MaxMemMBs" const="True" glidein_publish="True" job_publish="Fal
se" parameter="True" publish="True" type="int" value="4096"/>
        <attr name="GLIDEIN_Country" const="True" glidein_publish="True" job_publish="True"
parameter="True" publish="True" type="string" value="US"/>
        <attr name="GLIDEIN_Max_Walltime" const="True" glidein_publish="False" job_publish=
"False" parameter="True" publish="True" type="int" value="72000"/>
        <attr name="GLIDEIN_REQUIRED_OS" const="True" glidein_publish="True" job_publish="F
alse" parameter="True" publish="True" type="string" value="any"/>
        <attr name="GLIDEIN_ResourceName" const="True" glidein_publish="True" job_publish="

```

```
True" parameter="True" publish="True" type="string" value="OSC_OSG"/&gt;
    &lt;attr name="GLIDEIN_Site" const="True" glidein_publish="True" job_publish="True" pa
parameter="True" publish="True" type="string" value="OSC"/&gt;
    &lt;attr name="GLIDEIN_Supported_VO" comment="RESTRICTED SITE: All VOs must have an a
llocation provided by OSC to run here. Please contact either Doug Johnson (djohnson@osc.edu) or Tr
oy Baer (troy@osc.edu
) before adding VO to the list." const="True" glidein_publish="False" job_publish="False" paramete
r="True" publish="True" type="string" value="Nova"/>
    &lt;attr name="UPDATE_COLLECTOR_WITH_TCP" const="True" glidein_publish="False" job_pub
lish="False" parameter="True" publish="False" type="string" value="True"/&gt;
    &lt;/attrs&gt;
    &lt;files&gt;
    &lt;/files&gt;
    &lt;infosys_refs&gt;
    &lt;infosys_ref ref="GlueCEUniqueID=osg.osc.edu:2119/jobmanager-pbs-batch,Mds-Vo-name=
OSC_OSG,Mds-Vo-name=local,o=grid" server="is.grid.iu.edu" type="BDII"/&gt;
    &lt;/infosys_refs&gt;
    &lt;monitorgroups&gt;
    &lt;/monitorgroups&gt;
    &lt;/entry&gt;
```

History

#1 - 12/18/2019 05:08 PM - Marco Mambelli

- Target version set to v3_6_3
- Assignee set to Marco Mambelli

#2 - 05/07/2020 12:01 PM - Marco Mambelli

- Target version changed from v3_6_3 to v3_6_4

#3 - 09/17/2020 02:17 PM - Marco Mambelli

- Target version changed from v3_6_4 to v3_6_5

#4 - 10/04/2020 01:49 AM - Marco Mambelli

- Target version changed from v3_6_5 to v3_6_6