

## glideinWMS - Bug #19827

### Authentication error in glidein

04/27/2018 11:10 AM - Marco Mambelli

<b>Status:</b>	Closed	<b>Start date:</b>	04/27/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Marco Mambelli	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	v3_4_0	<b>Spent time:</b>	0.00 hour
<b>First Occurred:</b>		<b>Stakeholders:</b>	
<b>Occurs In:</b>			

#### Description

The glidein cannot connect back and accept jobs.

There is an authentication error visible in the startd log.

Glideins run on different hosts not known apriori. This requires setting an exception in HTCondor, using the GSI\_SKIP\_HOST\_CHECK\_CERT\_REGEX mechanism.

It seems that on one site there is a mismatch between the DN in the exception and the one used. The exception is in the "ending" of the DN, the part modified when creating proxies.

Looking at the code it seems it can be improved to be more robust with proxies.

Anyway, the event happened only in one site and the same CMS proxy is used in many sites, so it will need further investigation why it happened there.

Below an excerpt from the GGUS ticket

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=134763](https://ggus.eu/index.php?mode=ticket_info&ticket_id=134763)

From GGUS ticket:

Int. Diary:

Notified CMS Glidein Factory team of this ticket.

Public Diary:

Looking at the Startd logs of that specific pilot, I see [1]. That DNS checking it complains about , must be skipped because we normally put the pilot DN in both GSI\_DAEMON\_NAME and also in GSI\_SKIP\_HOST\_CHECK\_CERT\_REGEX in the pilot and Actually I can see those variables on the pilot log.err file (job.6248907.3.out).

What it seems to be the problem is that, in the variables above (GSI\_SKIP\_HOST\_CHECK\_CERT\_REGEX and GSI\_DAEMON\_NAME ) I see the pilot DN added as [2] for this pilot, whereas in another healthy pilot I see it as [3], so I think the problem is in the definition of this variables.

I've set GlideinFactory on the Support unit, so we can have somebody from the factory team to look at this.

Regards,

Diego

[1] SECMAN: required authentication with daemon at <172.30.1.141:25058> failed, so aborting command DC\_CHILDALIVE.

04/26/18 10:25:50 (pid:400351) ChildAliveMsg: failed to send DC\_CHILDALIVE to parent daemon at <172.30.1.141:25058> (try 1 of 3): AUTHENTICATE:1003:Failed to authenticate with any method|AUTHENTICATE:1004:Failed to authenticate using GSI|GSI:5008:We are trying to connect to a daemon with certificate DN (/DC=ch/DC=cern/OU=computers/CN=cmspilot02/vocms080.cern.ch), but the host name in the certificate does not match any DNS name associated with the host to which we are connecting (host name is 'wn-a2-21.brunel.ac.uk', IP is '2001:630:10:f001::1c8d', Condor connection address is '<[2001:630:10:f001::1c8d]:25058?addr=172.30.1.141-25058+[2001-630-10-f001--1c8d]-25058>'). Check that DNS is correctly configured. If the certificate is for a DNS alias, configure HOST\_ALIAS in the daemon's configuration. If you wish to use a daemon certificate that does not match the daemon's ho

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st name, make GSI_SKIP_HOST_CHECK_CERT_REGEX match the DN, or disable all host name checks by setting GSI_SKIP_HOST_CHECK=true or by defining GSI_DAEMON_NAME.
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[2] /DC=ch/DC=cern/OU=computers/CN=cmspilot02/vocms080.cern.ch/CN=1400921378/CN=317110013
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[3] /DC=ch/DC=cern/OU=computers/CN=cmspilot02/vocms080.cern.ch
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## History

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### #1 - 04/27/2018 11:59 AM - Marco Mambelli

- Subject changed from *Authentication error in glidein (startd logs)* to *Authentication error in glidein*

### #2 - 04/28/2018 12:17 AM - Marco Mambelli

- Subject changed from *Authentication error in glidein* to *Authentication error in glidein*

### #3 - 05/02/2018 10:24 AM - Marco Mambelli

The site in question is IPv6

### #4 - 05/02/2018 11:58 AM - Brian Bockelman

Note that HTCondor should be matching GSI\_SKIP\_HOST\_CHECK\_CERT\_REGEX against the EEC identity, not the DN of the proxy itself. In the case of a hostcert, the two should be the same thing.

Could be a condor bug. Can't see how this would be a GWMS bug.

### #5 - 05/02/2018 12:11 PM - Brian Bockelman

Oh - I should point out that the proxy will be continuously updated by some CEs throughout the lifetime of the pilot. So, we can't really hardcode a particular proxy DN here regardless.

Another thing to note is that HTCondor automatically sets up the security sessions between daemons (this was done 2-3 years ago) so all of this is superfluous. One approach may be to just rip it all out.

### #6 - 05/18/2018 10:38 AM - Marco Mambelli

- Status changed from *New* to *Closed*

Marco Mascheroni reported that the problem was caused by IPv6 interactions in condor.

Was solved by disabling IPv6.

No problem w/ GlideinWMS