

glideinWMS - Bug #22354

Strings evaluated as boolean

04/10/2019 11:44 PM - Marco Mambelli

Status:	Closed	Start date:	04/10/2019
Priority:	Urgent	Due date:	
Assignee:	Marco Mascheroni	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_4_5	Spent time:	0.00 hour
First Occurred:		Stakeholders:	
Occurs In:			

Description

Some variables are assigned string values "True" or "False" but then are compared with booleans True and False.

Symptoms are incorrect behaviors like:

- preventing the Frontend fo match jobs [#21898]
- odd behaviors due to the incorrect evaluation

Here the new occurrence in 3.4.4

Turned out that this issue was not actually solved. The changes I made did fix an issue with the un-sanitized classad GLIDEIN_REQUIRE_GLEXEC_USE , but the source of the original issue was in another place that is only triggered when glidein_glexec_use is set to NEVER (which I had not in my tests!).

The task of this ticket is to check the code looking for similar patterns and fix if there are other cases of mixed-use.

Searching with

```
egrep -R '\[.attrs.\]' * | egrep -i '(false|true)' | grep -v "^doc" | less
```

showed that also GLIDEIN_In_Downtime is used incorrectly and should be fixed.

The line used to evaluate the truthiness of these attributes should probably become a function since is being used many times (is_false()):

```
(str(glidein["attrs"].get("GLIDEIN_REQUIRE_GLEXEC_USE", False)).lower() == "false")
```

unless it is always inside the match expression where imports are difficult.

the is_true() or is_false() functions could be added to the unit tests

Related issues:

Related to glideinWMS - Bug #21898: Error preventing the Frontend fo match jobs	Resolved	02/20/2019
Related to glideinWMS - Support #21537: Double-check functions that deal with...	New	12/12/2018

History

#1 - 04/10/2019 11:44 PM - Marco Mambelli

- Related to Bug #21898: Error preventing the Frontend fo match jobs added

#2 - 04/10/2019 11:44 PM - Marco Mambelli

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

#3 - 04/16/2019 09:42 AM - Marco Mascheroni

- Assignee changed from Marco Mascheroni to Marco Mambelli

- Status changed from New to Feedback

#4 - 04/16/2019 11:17 AM - Marco Mascheroni

- Assignee changed from Marco Mambelli to Marco Mascheroni

- Status changed from Feedback to Resolved

#5 - 04/24/2019 10:22 AM - Marco Mambelli

- Status changed from Resolved to Closed