GlideinWMS - Idea #24569

Some requests/suggestions form HEPCloud

06/26/2020 12:15 PM - Marco Mambelli

Status:	New	**Start date:**	07/08/2020
Priority:	High	**Due date:**	
Assignee:	Marco Mambelli	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:	v3_7_4	**Spent time:**	0.00 hour
Stakeholders:	HEPCloud		

Description

Here some requests from a discussion w/ Steve Timm

These are incomplete/confusing notes for internal use. Tickets will be generated

```
the kill or no kill should be configurable
Glidein should stay there also if no requests
Credential management unique in the system (unique key per credential, referenceable in different
places)

calculating glideins and advertising should be decoupled

exposing the advertising:
- produces and advertises is a string list of names
A lot of redindant code because of that
e.g. give me what said in the config

Being able to debug: why is the frontend requesting one glidein instead of 200

Extend FOM to multiple factories

Repeat the same Factory configuration TotalGlideinsPerEntry and TotalGlideinsPerEntry
-> LimitPreDEPer Entry brought internally
Tweak the constraint for the idle jobs
DE is not using the match expression
Condor status is not returning Idle running and idle busy
(elimeinate partitionable and older than a certain glidein to retire)

There are idle jobs in the queue, no glidein that can run them
(e.g. jobs at NERSC have not enough time in the queue)

A 20 node job ends up having only one glidein reporting back, the other died.

Project ID differs,
there are 5
tag or expression for site-specific values key-value, w/ default value otherwise

Better credential handling, more credentials, attributes connected

Send the pointer to use parameter in submit file.

Existing job classification in the DE
is inadequate, if_then
```

Subtasks:

Bug # 24610: Glidein pressure too low for HPC systems in HEPClod	**New**

History

#1 - 07/08/2020 09:48 AM - Marco Mambelli

- Start date changed from 06/26/2020 to 07/08/2020

- Due date set to 07/08/2020

due to changes in a related task: [#24610](#24610)

#2 - 09/17/2020 02:17 PM - Marco Mambelli

- Target version changed from v3_6_4 to v3_6_5

#3 - 10/04/2020 01:49 AM - Marco Mambelli

- Target version changed from v3_6_5 to v3_6_6

#4 - 11/13/2020 04:38 AM - Marco Mambelli

- Stakeholders updated

#5 - 12/03/2020 09:19 PM - Marco Mambelli

- Target version changed from v3_6_6 to v3_6_7

#6 - 02/14/2021 07:38 PM - Marco Mambelli

- Target version changed from v3_6_7 to v3_7_4

due to changes in a related task: #24610

#2 - 09/17/2020 02:17 PM - Marco Mambelli

- Target version changed from v3_6_4 to v3_6_5