GlideinWMS - Feature #19946

Factory Operations suggestions summary

05/14/2018 10:02 PM - Marco Mambelli

Status:	New		**Start date:**	05/14/2018
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Factory		**Estimated time:**	0.00 hour
Target version:	v_collections		**Spent time:**	0.00 hour
Stakeholders:	Factory Ops			

Description

This Ticket is base on the Factory Operation Development Suggestions document presented on 4/13/2018 by Marco Mascheroni:
https://docs.google.com/document/d/1ANP80spS9so58OGPPt3JmlZKiw7fRFH4TSJLT1RvOAs/edit?usp=sharing

Here there are a few items that the glideinWMS factory operators identified as potential areas of improvement.

- Setting glideinCPUs="auto" messes up requests from the FE (it assumes 1 core). It also mess up the monitor. Proposal: introduce GLIDEIN_Estimated_CPUS [should be there]
- PeriodicRemove glideins if the runtime>maxwalltime+delta
- GWMS should stop looking at hold reasons to decide what to release. Just release a few times and remove it if necesary. condor_rm forcex if normal remove does not work. Maybe even stop submitting when glidein goes held? Marco Mambelli said there is a chance held glidein reconnect to user jobs when release (?)
  - Jeff comments he has never seen a grid job recover on condor_release, it always requeues a fresh glidein
  - Periodic removal of held glideins (maybe as an alternative to a factory initiated removal)
  - Condor devs are following up
- Monitoring. For the new kibana monitoring we should write everything in json (in parallel to xml) and expose those json so that they can be fed to InFlux/Grafana/Kibana/whatever. Then we can remove the xml/RRD based stuff
- Speed up stop/reconf/start (maybe we wait RH7 or removal of RRD monitor)
  - Remove really old files from reconfig.
- Clean up configuration files from disabled entries
  - Provide a command that takes an entry name and removes it from the configuration. Optionally provide a --deleteAllDisabled flag
- Do not restart condor on factory upgrade

Related issues:

Related to GlideinWMS - Support #18869: Review Factory and Frontend tools, es...	**Closed**	**02/01/2018**
Related to GlideinWMS - Feature #20201: Add the possibility to skip idle remo...	**Closed**	**06/20/2018**
Related to GlideinWMS - Feature #19877: Add a scaling factor for all glideins...	**Closed**	**05/03/2018**
Related to GlideinWMS - Feature #19160: Add entry monitoring breakdown for me...	**Closed**	**02/27/2018**
Blocked by GlideinWMS - Feature #16161: Estimate the cores provided to glidei...	**Closed**	**04/11/2017**
Blocked by GlideinWMS - Feature #19948: Clean up configuration files from dis...	**New**	**05/14/2018**
Blocked by GlideinWMS - Feature #19947: Do not restart condor on factory upgrade	**New**	**05/14/2018**
Blocked by GlideinWMS - Feature #19949: Remove really old files from reconfig.	**Assigned**	**05/14/2018**
Blocked by GlideinWMS - Feature #19950: Speed up stop/reconf/start	**New**	**05/14/2018**
Blocked by GlideinWMS - Support #20301: Automatically remove glideins after w...	**Closed**	**07/10/2018**
Blocked by GlideinWMS - Support #20295: restore the old color scheme in fact...	**Closed**	**07/09/2018**

History

#1 - 05/14/2018 10:04 PM - Marco Mambelli

- Blocked by Feature #16161: Estimate the cores provided to glideins running on an entry added

#2 - 05/14/2018 10:21 PM - Marco Mambelli

- Blocked by Feature #19948: Clean up configuration files from disabled entries added

#3 - 05/14/2018 10:21 PM - Marco Mambelli

- Blocked by Feature #19947: Do not restart condor on factory upgrade added

#4 - 05/14/2018 10:25 PM - Marco Mambelli

- Blocked by Feature #19949: Remove really old files from reconfig. added

#5 - 05/14/2018 10:33 PM - Marco Mambelli

- Blocked by Feature #19950: Speed up stop/reconf/start added

#6 - 06/06/2018 11:47 AM - Marco Mambelli

- Target version changed from v3_4_x to v_collections

#7 - 07/10/2018 03:53 AM - Marco Mascheroni

- Related to Support #18869: Review Factory and Frontend tools, especially glidien_off and manual_glidein_submit.py added

#8 - 07/10/2018 03:54 AM - Marco Mascheroni

- Related to Feature #20201: Add the possibility to skip idle removal per entry added

#9 - 07/10/2018 03:57 AM - Marco Mascheroni

- Related to Feature #19877: Add a scaling factor for all glideins limits in the entries added

#10 - 07/10/2018 03:58 AM - Marco Mascheroni

- Related to Feature #19160: Add entry monitoring breakdown for metasites added

#11 - 07/10/2018 04:07 AM - Marco Mascheroni

- Blocked by Support #20301: Automatically remove glideins after walltime added

#12 - 07/10/2018 07:16 AM - Marco Mascheroni

- Blocked by Support #20295: restore the old color scheme in factoryStatus.html added