

GlideinWMS - Feature #2685

Factory reconfig could detect and fail on missing entries

04/27/2012 10:44 AM - Burt Holzman

Status:	Closed	Start date:	04/27/2012
Priority:	Normal	Due date:	
Assignee:	Douglas Strain	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v2_6	Spent time:	0.00 hour
Stakeholders:			
Description			
<p>We've known about this problem for a while -- you can't delete entries. (Well, you can, but you can't re-add them).</p> <p>Here's Jeff's mail on it:</p> <p>??We encountered a condition that can lead to problems during reconfig. It seems the factory allows you to reconfig with a glideinWMS.xml file that has a missing entry in it. However after this is done if we discover it and put the entry back in the config and try to configure again it fails. Here's how it happened at cern:</p> <ol style="list-style-type: none">1. Marian copied glidein_v2_1.cfg/glideinWMS.xml to glidein_v2_1.cfg/glideinWMS.120425.xml then added a new entry to glideinWMS.120425.xml and used that one to reconfig.2. I didn't know this and I made updates to glidein_v2_1.cfg/glideinWMS.xml and used that one to reconfig. The new entry marian created got lost and no warning messages.3. Marian realized the new entry was missing and put it back. This time when he ran reconfig: vocms107] /home/gfactory/glideinsubmit/glidein_v2_1 > ./factory_startup reconfig ../glidein_v2_1.cfg/glideinWMS.120427.xml reconfig_glidein { -force_name name -writeback yes no -update_scripts yes no -xml xml -help } <p>Cannot create submit dir /data/srv/gfactory/config/glideinsubmit/glidein_v2_1/entry_CMS_T1_DE_KIT_HTPC_cream-1, already exists. Reconfiguring the factory [FAILED]</p> <p>I suggest what should happen is the reconfig I did on 2 should detect an entry was missing and bail out with an error message. This way I would have realized I was editing a stale config file and no harm would have been done.??</p>			
Related issues:			
Precedes GlideinWMS - Feature #2693: Add --force-delete-entry option to facto...		Closed	05/02/2012

History

#1 - 05/02/2012 01:38 PM - Burt Holzman

- Status changed from New to Assigned

We just discussed this over lunch with Jeff Dost.

For starters, it's sufficient for a reconfig to error out if entries are deleted and complain vociferously. (Bonus points if we point to the "live" glideinWMS.xml that has the old entry in it, so an operator can recover from accidentally removing entries without backing up their own config file.

It may be useful to have an option to force deleting entries as well, but that's under discussion. I'll add a low-priority subtask for it.

#2 - 05/16/2012 02:42 PM - Douglas Strain

- Status changed from Assigned to Resolved

This has been done in branch_v2plus_2685 and branch_master_2685.

The following changes take effect:

- Deletion of entries will cause an abort of the reconfig
- Addition of the "-force_delete" parameter to factory_startup to override
- Re-creation of old entries does not cause an error

Note: I haven't actually changed the deletion behavior, so it keeps the old directories etc there.

Commits:

v2plus: bbb87bf9cb2f571810516d337bf81780f4d65c9a

master: 4eba71d55c2737e3b6ee6254bf53458e3c9e3358 , c3efe11bad3d6ee37a69eb04f24abf69caf82675 (template change specific to v3+)

#3 - 06/05/2012 03:45 PM - Parag Mhashilkar

Douglas Strain wrote:

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- Addition of the "-force_delete" parameter to factory_startup to override
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Note: I haven't actually changed the deletion behavior, so it keeps the old directories etc there.

Commits:

v2plus: commit:bbb87bf9cb2f571810516d337bf81780f4d65c9a

master: commit:4eba71d55c2737e3b6ee6254bf53458e3c9e3358 , commit:c3efe11bad3d6ee37a69eb04f24abf69caf82675 (template change specific to v3+)

#4 - 06/05/2012 04:33 PM - Parag Mhashilkar

- Status changed from Resolved to Assigned

Reviewed. Should be good to merge.

#5 - 06/12/2012 04:19 PM - Parag Mhashilkar

- Status changed from Assigned to Resolved

- Target version changed from v2_7_x to v2_6

#6 - 07/24/2012 10:52 AM - Parag Mhashilkar

- Status changed from Resolved to Closed