

GlideinWMS - Feature #2359

Add Frontend START expression in the match section

01/06/2012 05:41 PM - Igor Sfiligoi

Status:	Closed	Start date:	01/06/2012
Priority:	Normal	Due date:	
Assignee:	Igor Sfiligoi	% Done:	90%
Category:	Frontend	Estimated time:	0.00 hour
Target version:	v2_6	Spent time:	8.00 hours
Stakeholders:			

Description

Hi all.

Every time I configure a frontend, I tie the Frontend match expression with the START expression; it is the only way to make sure we do not end up with glideins that do not match any jobs.

Right now, I have to specify the two in two different places, once in the match section and once in the attributes section, which are far apart and there is no obvious relation between them.
(not to mention having to define a GLIDECLIENT_Group_Start attribute to be sort of nerdy)

I think it would be better if we defined both in the match section, since they are both effectively used for matchmaking.
BTW: If the user decides to also define GLIDECLIENT_Group_Start attribute, we could just append to it.

Here is how it looks now:

```
<match match_expr='(job.has_key("DESIRED_Sites") and (glidein["attrs"]["GLIDEIN_Site"] in job["DESIRED_Sites"].split(", "))) '>
...
</match>
...
<attrs>
...
  <attr name="GLIDECLIENT_Group_Start" glidein_publish="False" job_publish="False" parameter="True" type="string"
      value='(stringListMember(GLIDEIN_Site,DESIRED_Sites,"")=?=True) '/>
...
</attrs>
```

and here is how it would look like in my proposal:

```
<match match_expr='(job.has_key("DESIRED_Sites") and (glidein["attrs"]["GLIDEIN_Site"] in job["DESIRED_Sites"].split(", "))) '
      start_expr='(stringListMember(GLIDEIN_Site,DESIRED_Sites,"")=?=True) '>
...
</match>
```

What do you think?

I am willing to implement it, if you guys agree it is a good idea,

Igor

BTW: I know it is annoying to have them in two different languages, too, and would love if one did not have to do that.
But that is too hard of a nut to grind for me.

History

#1 - 01/09/2012 03:29 PM - Igor Sfiligoi

- Status changed from New to Assigned

#2 - 01/30/2012 03:31 PM - Parag Mhashilkar

- *Target version changed from v2_5_5 to v2_5_6*

#3 - 02/03/2012 07:34 PM - Igor Sfiligoi

- *Status changed from Assigned to Resolved*

- *% Done changed from 0 to 100*

Implemented.

Committed as

branch_v2plus 5218684ca19e7972452daedec7087cea886458c0

master d31e6e3f9fd7ec8bb163dc339656c6ce05eaa0be

Changed also the installers, to properly create the initial template file.

However, would be nice if the installer actually asked for the start expression (right now I just default to True)

#4 - 02/03/2012 07:36 PM - Igor Sfiligoi

- *% Done changed from 100 to 90*

Forgot:

I have not touched the documentation...

Can someone else please do that?

#5 - 03/12/2012 03:12 PM - Parag Mhashilkar

- *Target version changed from v2_5_6 to v2_5_7*

#6 - 04/13/2012 11:42 AM - Parag Mhashilkar

- *Target version changed from v2_5_7 to v2_7_x*

#7 - 06/12/2012 10:20 AM - Parag Mhashilkar

- *Target version changed from v2_7_x to v2_6*

#8 - 05/20/2015 10:26 AM - Parag Mhashilkar

- *Status changed from Resolved to Closed*

closing old resolved issue