

Moab

What attributes are supported with a fairshare tree?

Issue: What attributes are supported with a fairshare tree?

Solution:

Fairshare trees are a great way to compartmentalize credentials and priority. They are also a great way to have 1 user be part of two projects but still keep the users fairshare separate depending on the project they work on.

Supported attributes for tnodes:

- partition
- name
- type
- share
- qlist
- adef
- limits

partition : the name of the partition this tnode should be part of

name : the name of the tnode attribute. If this is used with a partition then this name should always be "root".

type : Can be user,acct

share : is the share amount. Note this can be any number e.g. 1-100 or 1-2500.

qlist : This is the list of qoses that are part of this tnode credential

adef : The defined / default account part of this tnode credential.

limits : These are limit part of the tnode credential. Currently only

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MAXWC=00:01:00
MAXSUBMITJOBS=
MAXJOB=

FSTREE[tree]

```
<fstree>
  <tnode partition="slave1" name="root" type="acct" share="100"
limits="MAXJOB=6">
  <tnode name="accta" type="acct" share="50" limits="MAXSUBMITJOBS=2
MAXJOB=1">
  <tnode name="fred" type="user" share="1" limits="MAXWC=1:00:00">
  </tnode>
  </tnode>
  <tnode name="acctb" type="acct" share="50" limits="MAXSUBMITJOBS=4
MAXJOB=3">
  <tnode name="george" type="user" share="1" >
  </tnode>
  </tnode>
  </tnode>
  <tnode partition="slave2" name="root" type="acct" share="100"
limits="MAXSUBMITJOBS=6 MAXJOB=5">
  <tnode name="accta" type="acct" share="50">
  <tnode name="paul" type="user" share="1">
  </tnode>
  </tnode>
  <tnode name="acctb" type="acct" share="50">
  <tnode name="ringo" type="user" share="1">
  </tnode>
  </tnode>
  </tnode>
  </tnode>
</fstree>
```

Unique solution ID: #1111

Author: Jason Booth

Last update: 2016-06-13 18:34