

# 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

# Moab

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>

</fstree>

Unique solution ID: #1111

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