

Moab

How do I exclude a credential from fairshare

Issue: How do I exclude a credential from fairshare

Affected Version: All

Symptom: Some sites would like to reward users by not affecting their overall job priority for submitting jobs into a specific credential.

Solution: What is being described is what is referred to as a Fair-share trees.

The idea here is that condo and community priority are not bleeding over. Each branch should have its own set of priority such that if **usera** ran in community all day then when **usera** submitted into condo it would jump to the top with a different priority. Although the user is in two groups the priority is kept separate from each group.

mdiag -f -v output

Share Tree Overview for partition 'torque'

Name Usage Target (FSFACTOR)

```
root 1.00 1.00 of 1.00 (acct: 0.00) (0.00)
- condo 0.00 1.00 of 2.00 (qos: 0.00) (1.98)
- usera 0.00 1.00 of 1.00 (user: 0.00) (3.97) QLIST=condo
- community 0.00 1.00 of 2.00 (qos: 0.00) (1.98)
- usera 0.00 1.00 of 1.00 (user: 0.00) (3.97) QLIST=community
```

End of Share Tree for partition 'torque'

moab.cfg settings

```
IDCFG[FSTREE] SERVER=file://$HOME/etc/tree.cfg CREATECRED=TRUE
REFRESHPERIOD=hour
```

```
FSINTERVAL 00:10:00
FSDEPTH 6
FSDECAY 0.5
FSPOLICY DEDICATEDPES
ENABLENEGJOBPRIORITY TRUE
```

Contents of tree.cfg from the IDCFG line in moab.cfg

```
FSTREE[tree] '<fstree>
<tnode name="root" type="acct" share="1">
<tnode name="condo" type="qos" share="1">
<tnode name="usera" type="user" share="1"></tnode>
</tnode>
<tnode name="community" type="qos" share="1">
<tnode name="usera" type="user" share="1"></tnode>
</tnode>
</tnode>
```

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</fstree>'

Unique solution ID: #1008

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