## Moab

## Moab is rejecting client requests from non-root users

**Issue**: Moab is rejecting client requests from non-root users.

## Affected Versions: All

**Symptom**: When running any client commands as a user the request is rejected with the following error:

[user@submithost]\$ showstats

ERROR: server rejected request - could not authenticate client using .moab.key ERROR: communication error hpc-master:42559 (remote server rejected request, message 'no signature value specified')

## Solution: Check the following

- 1. That /tmp is not filled and that the user can write to /tmp
- 2. Check that mauth has the following permissions and setting ls -l /opt/moab/bin/mauth
  - -r-s--x-x 1 root root 79506904 Mar 26 11:15 /opt/moab/bin/mauth
    - 1. It is important that mauth has the same owner and group as the moab binary!
    - 2. mauth needs the setuid bit on the owner so that the binary can read the .moab.key which can only be read as root (chmod u+s mauth).
- 3. Check that the Moab process was not started as another user.
- 4. Check that the .moab.key has 400 as its permissions and is on all submit hosts.
- 5. If you have just implemented the .moab.key you should have stopped Moab before applying the .moab.key.
- 6. Make sure \$MOABHOMEDIR is in the environment and that it points to the correct path. By default it will be "/opt/moab/".

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