## Moab

## How do I script job submissions with dependencies?

**Issue:** When scripting the submission of jobs, the job ID output by Moab will contain a newline character, which will cause problems if that output is captured and used as a dependency definition.

**Solution:** The newline character needs to be stripped from the captured job ID prior to using it. As an example, consider the following:

\$ JID=\$(echo sleep 10 | msub)\$ echo \$JID\$JID\$JIDMoab.239 Moab.239 Moab.239echo "depend=afterok:\$JID"depend=afterok:Moab.239

As you can see, the depend= will not be correct in this case. To fix this, change it to add a line that fixes the job ID, as in the the following example:

\$ JID=\$(echo sleep 10 | msub)\$ JID=\$(echo \$JID | sed -e 's/[[:space:]]//')\$ echo \$JID\$JID\$JIDMoab.239Moab.239Moab.239echo "depend=afterok:\$JID"depend=afterok:Moab.239

For some reason, piping msub's output through "sed" did not seem to work, so use the above method.

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