

# 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.

Unique solution ID: #1215

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