

## Output from qstat when a job is in the queue

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```
[grundoon@flux-login3 hpc101]$ qstat -u $USER
```

nyx.engin.umich.edu:

Job ID	Username	Queue	Jobname	SessID	NDS	TSK	Req'd Memory	Req'd Time	S	Elap Time
15913783.nyx.engin.umi	grundoon	flux	grundoon_first	--	1	1	1gb	01:00:00	Q	--

## Output from qstat when a job is running

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```
[grundoon@flux-login3 hpc101]$ qstat -u $USER
```

nyx.engin.umich.edu:

Job ID	Username	Queue	Jobname	SessID	NDS	TSK	Req'd Memory	Req'd Time	S	Elap Time
15913783.nyx.engin.umi	grundoon	flux	grundoon_first	80815	1	1	1gb	01:00:00	R	00:00:47

## Output from qstat when a job is done

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```
[grundoon@flux-login3 hpc101]$ qstat -u $USER
```

nyx.engin.umich.edu:

Job ID	Username	Queue	Jobname	SessID	NDS	TSK	Req'd Memory	Req'd Time	S	Elap Time
15913783.nyx.engin.umi	grundoon	flux	grundoon_first	80815	1	1	1gb	01:00:00	C	--

## Output from checkjob command

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```
[grundoon@flux-login1 hpc101]$ qsub iris.pbs
15913928.nyx.engin.umich.edu
[grundoon@flux-login1 hpc101]$ checkjob -v 15913928

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NOTE: The following information has been cached by the remote server
      and may be slightly out of date.
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ERROR:  invalid job specified: 15913928

[grundoon@flux-login1 hpc101]$ checkjob -v 15913928

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NOTE: The following information has been cached by the remote server
      and may be slightly out of date.
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job 15913928 (RM job '15913928.nyx.engin.umich.edu')

AName: iris_R
State: Idle
Creds:  user:grundoon  group:cacstaff  account:hpc101_flux  class:flux  qos:flux
WallTime:    00:00:00 of 1:00:00
SubmitTime: Wed May 13 21:45:30
      (Time Queued  Total: 00:01:25  Eligible: 00:00:03)

TemplateSets:  DEFAULT
Total Requested Tasks: 1

Req[0]  TaskCount: 1  Partition: ALL
Dedicated Resources Per Task: PROCS: 1  MEM: 768M
NodeSet=ONEOF:FEATURE:[NONE]

Reserved Nodes:  (-00:01:22 -> 00:58:38  Duration: 1:00:00)
[nyx5512:1]

SystemID:  Moab
SystemJID:  15913928
Task Distribution: nyx5512
UMask:      0000
OutputFile:  flux-login1.engin.umich.edu:/home2/grundoon/hpc101/iris_R.o15913928
ErrorFile:   flux-login1.engin.umich.edu:/home2/grundoon/hpc101/iris_R.e15913928
User Specified Partition List:  flux
Partition List: flux
SrcRM:      nyx  DstRM: nyx  DstRMJID: 15913928.nyx.engin.umich.edu
Submit Args: iris.pbs
Flags:      BACKFILL,RESTARTABLE,PROCSPECIFIED
Attr:       BACKFILL,checkpoint
StartPriority: -1389225
PE:         1.00
Reservation '15913928' (-00:01:22 -> 00:58:38  Duration: 1:00:00)
NOTE:  job violates constraints for partition flux (waiting for non-blocking AM action to complete)

NOTE:  job violates constraints for partition fluxm (waiting for non-blocking AM action to complete)

NOTE:  job violates constraints for partition fluxg (waiting for non-blocking AM action to complete)

NOTE:  job violates constraints for partition fluxod (waiting for non-blocking AM action to complete)

NOTE:  job violates constraints for partition fluxoe (waiting for non-blocking AM action to complete)

Message[0]Waiting to register job start with accounting manager

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```