

## ps - list processes command

The ps command is used to display a list of processes. Options are available to restrict the list to specific users, job name, status, etc. Here is a sample list:

```
> ps
  PID   TIME     STIME JOB NAME   FUNCTION      SUBSYSTEM
  162   000:00  14:39:08 qpadev0001 cmd-qsh       qbase
  163   000:00  14:39:12 qzshsh          qbase
  169   000:00  15:03:10 qp0zspwp       qbase
```

Several optional columns can be displayed using the ps command. These fields and descriptions are listed below.

Command Line Parameter Code	Description
device	name of the device description object with which the job is associated
function	program, menu, or command which has most recently been executed by the job
userid	user profile under which the job is currently running
pid	process ID number
ppid	parent process ID number
time	CPU time used by the job, in seconds
stime	starting time of the job
sdate	starting date of the job
jobid	fully qualified OS/400 job identifier -- job number/user/name
jobname	job name component of the OS/400 job identifier
status	status of the job. Possibilities are *active and *outq
sbs	subsystem in which the job is running

The command line options to the ps command are outlined below. This help text output is available by entering the -h flag on the command line.

```
> ps -h
usage: ps [-aeAfh] [-u user] [-o specifier,...]
valid specifiers {device,function,user,userid,pid,ppid,time,stime,sdate,jobid,jobn
-a,-e all active jobs
-A all jobs
-f full listing output
-o output field specifiers in order
-u specify user name or uid number
example: ps -ao userid,pid,sdate,time,jobname,function
```

```
example: ps -A -o jobid,sdate,stime,status  
example: ps -fu joe12
```