

show job accounting data

`sacct:` displays accounting data for all jobs and job steps in the Slurm job accounting log or Slurm database

If you use the command without any paremeters it will show you the currently running jobs accounting data.

```
$ sacct
```

JobID	JobName	Partition	Account	AllocCPUS	State	ExitCode
1127	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1128	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1128.0	a.out	incd	16	RUNNING	0:0	
1129	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1129.0	a.out	incd	16	RUNNING	0:0	
1130	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1156	run_zacar+	HPC_4_Days	root	1	RUNNING	0:0

You can specify the job which data you would like to view by using the `-j` flag.

```
$ sacct -j 1156
```

JobID	JobName	Partition	Account	AllocCPUS	State	ExitCode
1156	run_zacar+	HPC_4_Days	root	1	RUNNING	0:0

You can list jobs by user, by adding the `-u` flag and choosing the user.

```
$ sacct -u jprmachado
```

JobID	JobName	Partition	Account	AllocCPUS	State	ExitCode
1127	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1128	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1128.0	a.out	incd	16	RUNNING	0:0	

1129	omp-bkp-o+	debug	incd	16	RUNNING	0:0
1129.0	a.out		incd	16	RUNNING	0:0
1130	omp-bkp-o+	debug	incd	16	RUNNING	0:0

You can also filter or create your own custom reports by using the `--format` flag and choosing what data to show.

```
$ sacct --
```

```
format=User,JobID,Jobname,partition,state,time,start,end,elapsed,MaxRss,MaxVMSize,nnodes,ncpus,nodelist
```

User	JobID	JobName	Partition	State	Timelimit	Start	End	Elapsed	MaxRSS
MaxVMSize	NNodes	NCPUS	NodeList						

jprmacha+	1127	omp-bkp-o+	debug	RUNNING	20-20:00:+	2019-11-20T11:44:28			Unknown 9-
04:00:00		1	16	wn018					
jprmacha+	1128	omp-bkp-o+	debug	RUNNING	20-20:00:+	2019-11-20T11:46:43			Unknown 9-
03:57:45		1	16	wn019					
1128.0		a.out		RUNNING		2019-11-20T11:46:43			Unknown 9-
03:57:45		1	16	wn019					
jprmacha+	1129	omp-bkp-o+	debug	RUNNING	20-20:00:+	2019-11-20T11:51:30			Unknown 9-
03:52:58		1	16	wn020					
1129.0		a.out		RUNNING		2019-11-20T11:51:31			Unknown 9-
03:52:57		1	16	wn020					
jprmacha+	1130	omp-bkp-o+	debug	RUNNING	20-20:00:+	2019-11-20T11:52:37			Unknown 9-
03:51:51		1	16	wn012					
root	1156	run_zacar+	HPC_4_Days	RUNNING	8-00:00:00	2019-11-27T13:40:02			Unknown 2-
02:04:26		1	1	wn035					

There is also the possibility to filter you custom report by user and date, you just have to add the `-u` and `--start` flags.

```
$ sacct --
```

```
format=User,JobID,Jobname,partition,state,time,start,end,elapsed,MaxRss,MaxVMSize,nnodes,ncpus,nodelist -u  
zbenta --start 2019-11-28
```

User	JobID	JobName	Partition	State	Timelimit	Start	End	Elapsed	MaxRSS
MaxVMSize	NNodes	NCPUS	NodeList						

```

-----
zbenta 1163      clover32  stage2  TIMEOUT  04:00:00 2019-11-28T13:22:31 2019-11-28T17:22:46
04:00:15          8      128  wn[022-029]
      1163.batch  batch      CANCELLED      2019-11-28T13:22:31 2019-11-28T17:22:47
04:00:16  40152K  186176K    1      16      wn022
      1163.0      orted      FAILED      2019-11-28T13:22:35 2019-11-28T17:22:46  04:00:11
38104K  254748K    7      7  wn[023-029]

```

You can also use the flags to give you a report during a specific time interval, just use the `--start` and `--end` flags.

```

$ sacct --
format=User,JobID,Jobname,partition,state,time,start,end,elapsed,MaxRss,MaxVMSize,nnodes,ncpus,nodelist -u
zbenta --start 2019-10-07 --end 2019-10-11

  User   JobID  JobName Partition   State Timelimit      Start      End  Elapsed  MaxRSS
MaxVMSize  NNodes   NCPUS   NodeList
-----
-----
zbenta 15      Run_PRISM  debug   FAILED 365-00:00+ 2019-10-07T11:05:58 2019-10-07T11:06:09
00:00:11          2      32  wn[018-019]
      15.batch  batch      FAILED      2019-10-07T11:05:58 2019-10-07T11:06:09
00:00:11          1      16      wn018
      15.0      orted      COMPLETED      2019-10-07T11:06:02 2019-10-07T11:06:07
00:00:05          1      1      wn019
zbenta 20      Run_PRISM  debug  CANCELLED+ UNLIMITED 2019-10-08T11:42:01 2019-10-
08T12:12:03 00:30:02          2      32  wn[018-019]
      20.batch  batch      CANCELLED      2019-10-08T11:42:01 2019-10-08T12:12:05  00:30:04
2626556K  186140K    1      16      wn018
      20.0      orted      FAILED      2019-10-08T11:42:05 2019-10-08T12:12:08  00:30:03
2594880K  292116K    1      1      wn019
zbenta 28      Run_PRISM  debug   FAILED UNLIMITED 2019-10-11T14:33:06 2019-10-11T14:33:06
00:00:00          2      32  wn[003,015]
      28.batch  batch      FAILED      2019-10-11T14:33:06 2019-10-11T14:33:06
00:00:00          1      16      wn003

```

“ **For more detailed information, please see the manual `man sacct` **

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Updated 16 March 2023 15:13:10 by João Pina