

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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