



GLOBALECS®

KNOWLEDGE BASE

SQL QUERY SAMPLES FOR CUSTOM REPORTING ON GECS DATA

The GECS Administrator program allows users to create custom views with various filtering options. This is usually sufficient for most reporting needs. However, because GECS can be used with MS SQL or Oracle databases, you can query these databases using query tools such as MS SQL Server Management Studio, SQL plus or Oracle SQL Developers. Both languages have different syntax and capabilities.

GECS table names can be found in the GECS online manual (GECSMAN.PDF). The GECS online help also contains table information by pressing the F1 function key while your cursor is positioned over one of the job entry fields.

This document contains a variety of sample SQL Queries that customers have requested in the past. These samples are provided as a starting point for your own custom reporting if you need details outside of the lists offered using the GECS Administrator program. These are SQL Server queries, on Oracle the syntax may be a little different. In no particular order;

- Elapse time of completed jobs
- Batch job dependencies for a specific batch
- All jobs and dependencies
- Failed jobs
- SQL type scheduled jobs
- Running or overrunning jobs
- Output for a specific batch job
- Jobs with command lines that contain the word "logevent.exe"
- Batches (in alphabetical order) that have no associated jobs, job history or job archives

Elapsed time of completed jobs:

```
select BATCH, JOBNUM, ended, began, ended - began as ET from  
GECSJOBHISTORY;
```

Batch job dependencies for a specific batch:

```
select  
batch, detail, dependdet0, dependdet1, dependdet2, dependdet3, dependdet4, dep  
enddet5, dependdet6, dependdet7, dependdet8, dependdet9 from  
gecsbatchdetail where batch = 'batch name here'
```

All jobs and dependencies, order by descending:

```
select jobnum, dep0job from gecsjobs order by dep0job desc;
```

Failed jobs list:

```
Select * from GECSJOBHISTORY where retval > 0
```

SQL type scheduled jobs:

```
select a.batch, a.jobnum, b.sqlcmd, a.server0, a.nextschd  
from gecsjobs a, gecssqltype b  
where a.jobtype = '2'  
and a.jid = b.jid;
```

Running or overrunning jobs:

```
select batch, jobnum from gecsjobs WHERE status = '20' or status = '21';
```

Output for a specific batch job:

```
SELECT TOP 1 OUTPUT FROM GECSJOBOUTPUT WHERE BATCH = 'BATCH'  
AND JOBNUM = 'JOB'
```

Jobs with command lines that contain the word "logevent.exe":

```
select a.batch, a.jobnum, b.cmdline, a.server0, a.dep0job,  
a.filespec, a.nextschd  
from gecsjobs a, gecscmdtype b  
where b.cmdline like '%logevent.exe%'
```

Batches (in alphabetical order) that have no associated jobs, job history or job archives:

```
select batch from gecsbatches  
where batch not in (select batch from gecsjobs)  
and batch not in (select batch from gecsjobhistory)  
and batch not in (select batch from gecsjobarchive)  
order by batch asc;
```