

If you see one of the following errors:

```
[ERROR] 2013-03-06 15:27:40,134 [pbpy.smrtpipe.engine.SmrtPipeTasks run
655] > Unable to initialize environment because of error: cannot
register event client. Only 99 event clients are allowed in the system
[ERROR] 2013-05-02 10:22:07,119 [pbpy.smrtpipe.engine.SmrtPipeTasks run
655] > Unable to initialize environment because of error: range_list
contains no elements
```

The errors occur when the number of dynamic event client processes have exceeded the limit defined in your job scheduler configuration. (Each `qsub -y` is a dynamic event client.)

The solution is to increase the value assigned to `MAX_DYN_EC` (the maximum number of dynamic event clients) in `qmaster_params`. The default is 99 on some systems, but more recent versions of SGE have increased this to 500.

To get current `MAX_DYN_EC` settings:

```
$ qconf -sconf | grep MAX_DYN_EC
qmaster_params          MAX_DYN_EC=500
```

(This value may not be set on some systems.)

To set the `MAX_DYN_EC` value, for example, to 1000:

```
$ qconf -mconf qmaster_params MAX_DYN_EC=1000
```

If this does **not** fix the issue, use the `qsw.py` script instead.

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