

# New compute resource enhancements

Eric Church, LArSoft mtg, 17-Aug-2011

- We owe Lee Lueking a big thanks.
- Dennis Box is still iterating on the most elegant way to do jobsubs to new condor nodes.

# uboonegsvm02

- New 4 core, 4 GB machine.
- If you've been set up on uboonegsvm01, you're set up for the new one too. Just ssh in.
- Try it when you see all memory/swap cpu is taken on uboonegsvm01.

# Evading the 4GB memory limit on condor

- condor in general kills jobs which exceed 2GB of memory -- true of local and gpcf worker nodes.
- We now have 12 slots on gpcf which allow 4GB.
- New jobsub argument makes it happen.
- ```
-c '((TARGET.Machine =?= "gpwn007.fnal.gov") ||  
(TARGET.Machine =?= "gpwn006.fnal.gov"))'
```

# More to come...

- We will get more of these when the 88 gpcf nodes all get new memory -- in September, I'm told.
- Bottom line: we have resources, but should not take this to be a reason to let our efforts flag in creating leaner code.