



# CLUSTERS IN THE CLOUD

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# GENERAL POINTS



- Single node (non-MPI)
  - Advised to use HPC systems for MPI jobs
- Good for resource usage
  - e.g. Use cluster with few GPUs rather than workstations with one each
    - *Sounds correct – but what's the reality?*
- Modules for SW
  - Mentioned a few times by projects.
  - How's this going?
- Nexus-Posix for shared storage
  - Or alternatives?

# CURRENTLY FOR SLURM



	Roll your own	JADE	Managed Virtual Cluster*
Control. Software, slurm config	Very High	High	Low (Robin clone, basically)
Size	Small-Medium	Small-Medium	Medium-large
Elasticity - grow/shrink	High	High	Low
Storage	?? it depends	Nexus-Posix	Nexus-Posix
User basis	Free (depending on storage)	MPCDF LDAP	MPCDF LDAP

\* Managed virtual clusters provided by cluster team on demand and when fitting.







**THANK YOU!**

