An Introduction to SIU’s BigDog High Performance Computing Cluster (HPCC)

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The BigDog Cluster

- It is a Rocks Cluster: http://www.rocksclusters.org
- It is part of XSEDE: https://www.xsede.org/
- It is an XSEDE Compatible Basic Cluster (XCBC): https://www.xsede.org/resources/overview
- It uses the SGE Scheduler: http://star.mit.edu/cluster/docs/0.93.3/guides/sge.html
- It has a lot of software: http://bigdog.research.siu.edu/roll-documentation/xsede/
How to Access BigDog

• Get an account: http://oit.siu.edu/rcc/bigdog/get-an-account.php
• See how busy BigDog is: http://bigdog.research.siu.edu/ganglia/
• Login: $ ssh <username>@login-0-0.research.siu.edu

(From on campus, only.)
More about BigDog

• How to manually access a compute node: $ qlogin
• Ask for more software: http://oit.siu.edu/rcc/services/general-request.php
Questions?

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