



UCIT R&D HOSTS LIVE OSC WEBCASTS

July 20 & July 27: 1:00 – 4:00 PM

JULY 20: BIG DATA @ OSC Workshop: INTRO TO HADOOP & SPARK

Date: Thursday, July 20, 2017 – 1:00 pm to 4:00 pm

[REGISTER ONLINE](#)

Streaming Location: Langsam 475

<https://www.osc.edu/supercomputing/training>

Introduction to Big Data. Data analytics capabilities at OSC. This workshop focuses on running Hadoop and Spark jobs using OSC (Ohio Supercomputer Center) resources. Attendees will have an opportunity to experience running this software on OSC clusters.

Topics include:

- Introduction to Big Data
- Data analytics at OSC
- Running Hadoop and Spark at OSC

Computers will be available. You may also bring your own laptop. *OSC workshop accounts will be provided.* You *must* pre-register to obtain a workshop account. If you do not already have “putty” installed, please install it prior to the workshop: <http://www.putty.org/>

JULY 27: PERFORMANCE TUNING WORKSHOP

Date: Thursday, July 27, 2017 – 1:00 pm to 4:00 pm

[REGISTER ONLINE](#)

Location: 850D Baldwin Hall (CEAS Library)

<https://www.osc.edu/supercomputing/training>

Performance tuning workshop. This workshop will present techniques for improving the performance of scientific software on High Performance Computing (HPC) systems such as those available at OSC. Focus on serial performance, including vectorization and cache utilization, with a brief mention of parallel computing.

Topics include:

- Overview of HPC architectures
- Performance measurement and analysis tools
- Help from the compiler
- Single-processor performance tuning
- Parallel computing

Participants are required to bring their own laptops. *OSC workshop accounts will be provided but you must pre-register.* Familiarity with Linux/UNIX and either Fortran 90 or C/C++ is preferred. If you do not already have “putty” installed, install it before the workshop: <http://www.putty.org/>