Welcome to Academic and Research Computing (ARC) User Documentation

- **Getting Started**
- **SEAS Login Server** (how to access the SEAS compute resources)
- **How To Connect** (including info on how to set up your SSH keys)
- **Shell, Environment, and Modules** (how to load application software using the 'module' command)
- **Overview of Compute Resources**

For help and in-person appointments contact us at: help@seas.harvard.edu

For info on IT issues visit http://www.seas.harvard.edu/computing-office

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**Site Map**

- **SEAS Compute Environment**
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  - Recovering Deleted Data
  - Using Scientific Software
    - Lumerical on the FAS Odyssey cluster (SEAS users only)
    - How to run Comsol on FAS Odyssey (SEAS users only)
    - How to run ABAQUS on FAS Odyssey (SEAS users only)
    - How to use Matlab Parallel Computing Toolbox
  - Connecting to your SEAS storage hosted in FAS RC
  - Setting up SSH Access to SEAS Hosts on Windows machines
  - SSH Access to SEAS Hosts
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  - How To use the CS50 Appliance in your AWS environment
  - AWS Educate
- **High Performance Computing**
  - Linux Workshop (Bytes & Bites CEE workshop) --- materials
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    - Advanced Features of code.seas
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Using the SEAS Code Repository For Research
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Gitosis source code management
Introduction To Subversion
Academic Computing Subversion service
Add External User/collaborator to OpenID for code.seas authentication
GIT Version Control

Talks, Workshops and Tutorials

Talks
- Parallel Programming (30)
- Best Practices for Linux Security
- Debugging and Profiling
- TotalView Parallel Debugger

Workshops
- Python Workshop - Basics (September 17, 2018)
- Python Workshop - Numerics (September 18, 2018)
- Introduction to Programming in Python (Computefest 15 - January 13, 2015)
- Introduction to Programming in Python (February 2, 2015)
- Introduction to Matlab (February 3, 2015)
- COMSOL tutorial for classes (Heat Transfer -- February 23, 2015)
- Introduction to Machine Learning (ML) with Python (March 31, 2015)
- Workshop on Simulation via COMSOL (01/20/2016, 01/21/2016)
- COMSOL tutorials for ES 176/ES 276
- Python Workshop Basics (Older -- 2014)
- Python Workshop - Numerics (older)
- Introductory Python Tutorials (09/17/18 and 09/18/18)

Training Material
- GPU Computing (AP 278)
- GPU Computing (CS 205)
- Matlab Tutorial
- Parallel Programming
- Python Tutorials
- Source code version control
- Spark on Amazon EMR (for CS 205)
- Working on the EMR cluster (CS 205)

Unix
- How-to Overview
- How to manage a Google Group
- How to manage Sharepoint folder permissions
- How to map a drive to SharePoint online
- alternative way to map a drive to Sharepoint Online
- Issues Mapping a drive to Sharepoint Online
- How-to obtain the IP address of your system
- How To obtain the MAC address from your system
- How to register a computer on the Harvard wired network
- How to sync Sharepoint libraries with OneDrive
- onboarding/offboarding cheat sheet

EECS
- Migrating www.eecs.harvard.edu to AWS

SEAS VDI Instructions
- Migrate to Harvard Enterprise GitHub (code.harvard.edu)
- SEAS Dropbox eligibility table
- Introduction to Cloud Computing