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

---

Site Map

- **SEAS Compute Environment**
  - **Getting Started**
  - **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
  - Using SEAS VPN
- **AWS Cloud**
  - How To use the CS50 Appliance in your AWS environment
  - AWS Educate
- **High Performance Computing**
- **Collaboration and Instructional Tools**
  - Multimedia for the Classroom
  - Version control
    - About Version Control Systems
    - SEAS Code Repository
    - Getting Started with code.seas
    - Advanced Features of code.seas
    - SEAS Code Repo Troubleshooting and FAQ


- Using the SEAS Code Repository For Courses
- Using the SEAS Code Repository For Research
- Introduction To GIT
- Gitosis source code management
- Introduction To Subversion
- Academic Computing Subversion service
- Add External User/collaborator to OpenID for code.seas authentication

**Talks, Workshops and Tutorials**

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

**Workshops**
- Python Workshop Basics
- Python for Numerics
- 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

**Training Material**
- 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

**Bit Bucket**

**Documentation Overview**

**How-to articles**
- How to manage a Google Group
- How to map a drive to SharePoint online
  - alternative way to map a drive to Sharepoint Online
  - Issues Mapping a drive to Sharepoint Online
- onboarding/offboarding cheat sheet

**EECS**
- EECS Web Page Access
- Migrating www.eecs.harvard.edu to AWS

**SEAS VDI Instructions**
- Migrate to Harvard Enterprise GitHub (code.harvard.edu)