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**
  - 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**
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  - AWS Educate
- **High Performance Computing**
- **Collaboration and Instructional Tools**
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    - 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 (February 1, 2018)
- Python Workshop - Numerics (February 6, 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 (02/01/18 and 02/06/18)

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

Documentation Overview

How-to articles
- 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 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