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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- **AWS Cloud**
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  - AWS Educate
- **High Performance Computing**
  - Linux Workshop (Bytes & Bites CEE workshop) --- materials
- **Collaboration and Instructional Tools**
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    - Advanced Features of code.seas
- SEAS Code Repo Troubleshooting and FAQ
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- 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
- 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)
  - Python Tutorial (Spring, 2019)
  - Python Workshop

- **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**

- **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 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