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 (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)