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
  - Linux Workshop (Bytes & Bites CEE workshop) --- materials
- 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
• 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