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**
  - 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
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)

- **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