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
    - Connecting to your SEAS storage hosted in FAS RC
    - Using SEAS VPN
  - How To Connect
    - SSH Access to SEAS Hosts
    - Setting up SSH Access to SEAS Hosts on Windows machines
  - Overview of Compute Resources
  - Imaging using clonezilla and SEAS PXE boot
  - Recovering Deleted Data From Snapshots
  - Getting Started with HPC
  - Remote Desktop
    - Best Practices for the SEAS Remote Desktop
    - Virtual desktops with NX
  - SEAS Login Server
  - Shell, Environment, and Modules
- SEAS Cloud
  - Create a SEAS Cloud Account
  - Upload an SSH public key
  - Booting an instance
  - How To use the CS50 Appliance in your AWS environment
  - Using the SEAS Cloud web interface
  - Using the Nova command line tools
  - AWS Educate
• High Performance Computing
  • 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
  • How to install a Python module into your own environment on SEAS clusters
• Collaboration and Instructional Tools
  • Multimedia for the Classroom
  • Spaces.seas wiki
  • 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
    • Python for Numerics
    • 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
  • 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
• Bit Bucket
• Documentation Overview
• How-to articles
  • How to Connect to Harvard Secure
  • How to manage a Google Group
  • How to map a drive to SharePoint online
    • alternative way to map a drive to Sharepoint Online
    • Issues Mapping a drive to Sharepoint Online
  • onboarding/offboarding cheat sheet
• EECS
  • EECS Web Page Access
  • Migrating www.eecs.harvard.edu to AWS
• SEAS VDI Instructions
  • Migrate to Harvard Enterprise GitHub (code.harvard.edu)