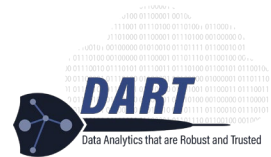




Fall 2022 Getting Started with ARP

A DART Workshop Series



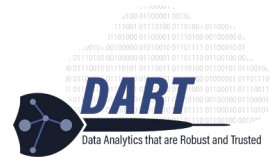
Day 1 Schedule

- 8:30 am Registration & Set-Up
- *Check with each participant to ensure ability to connect to internet*
 - *Make sure all required programs have been downloaded and installed*
- 9:00 am Welcome & Introductions
- *Brief introductions: Name, institution, 1-sentence research interests*
- 9:15 am What is Arkansas Research Platform (ARP)?
- *Brief description of ARP hardware resources*
 - *When to use HPC resources*
 - *Programs that can leverage HPC resources*
 - *Getting familiar with the vocabulary*
- 10:15 am The Essentials
- *Getting an account on Pinnacle / Grace*
 - *Logging in on Open OnDemand*
- 10:45 am The Basics
- *Run a simple job in Open OnDemand*
 - *Run a simple interactive app (Jupyter notebook)*
 - *Introduction to queues*
 - *Uploading data via Open OnDemand*
- 11:45 am LUNCH
- 12:45 pm Moving and Storing Data, part 1
- *The basics of moving and storing data: rclone, rsync, scp*
 - *What is Globus?*
 - *How to request Globus ID Setup*
- 2:00 pm Running Jobs
- *Terminal access in Open OnDemand*
 - *How to submit an interactive and batch job using terminal on Open OnDemand*
 - *Single jobs vs. Job arrays*
- 4:00 pm Reflection and Closing Remarks for Day 1
- *Where are you stuck?*
 - *Where do you want to know more?*



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Day 2 Schedule

- 9:00 am Intro to Command Line Interface (CLI)
- *SSH*
 - *home/scratch directories*
 - *software modules and environments*
 - *queues*
 - *Running sample jobs (R or Python)*
 - Interactive*
 - Batch*
- 10:30 am Moving and Storing Data, part 2
- *Basic object storage principles; What is ROSS?*
 - *How to request access to ROSS – identities and secret keys*
 - *Moving Data*
 - rsync, rclone, scp*
 - ecs-sync*
- 12:00 pm LUNCH
- 1:00 pm Questions, Tell me more, and Bring your own project (optional for attendees)
- *Bring your own code and data*