



Berkeley Research Computing

A Research IT program, sponsored by the CIO, the Vice Chancellor for Research, and the Chancellor



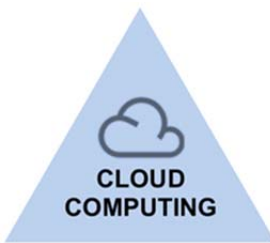
Consulting and Community

- First point of contact for faculty, to ensure match to appropriate resources
- Specialist consulting in each service area
- Support migration between computational modes for efficient scaling and reproducible research
- Domain consultants for specific skills, as part-time staff or Fellows
- Foster cross-domain community and knowledge-sharing
- Partnering with network of partners (D-Lab, SCF, etc.) to coordinate consulting services across campus



Condo/Institutional Cluster (“Savio”)

- High performance computing with high-speed, low-latency interconnect and high-speed parallel filesystem
- Infrastructure and admin costs subsidized for Condo contributions, unused capacity available to campus
- Condo users can “burst” beyond their hardware
- Faculty computing allowance provides free access for PI’s
- Supports students learning computational methods
- Managed in partnership with LBNL HPC Services group



Cloud Computing support (in development)

- Consulting services and documentation to solve common problems of access and administration of public cloud resources, and integration with teaching
- Local cloud compute resources for experimentation and research, with common software stacks
- Integration with data and network infrastructure
- Working with EECS, AMPLab, D-Lab to develop materials and services



Virtual Workstation support (in development)

- Analytics environments on-demand: self-serve access to compute, storage, and commonly used software
- Domain-specific VM images can be prepared, managed
- Anywhere, anytime access to lab workstation model
- Working with Library, D-Lab, ETS, and IST to provide service infrastructure and consulting