



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 researchers, to ensure match to appropriate resources
- Specialist consulting in each service area, plus Domain Consultants and partners with specific skills
- Support migration between computational models for efficient scaling and reproducible research
- Foster cross-domain community and knowledge-sharing
- Collaborate with network of partners (D-Lab, SCF, CGRL, 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; includes large-memory and GPU variants
- Faculty Computing Allowance provides free access
- Infrastructure and admin costs subsidized for Condo contributions, unused capacity available to campus
- Condo users can "burst" beyond their hardware
- Condo Storage service provides low-cost big data storage
- Supports students learning computational methods
- Managed in partnership with LBNL HPC Services group



Cloud Computing support

- Consulting services and documentation to solve common problems of access and administration of public cloud resources (Amazon, XSEDE, etc.), and integration with teaching
- Integration with data and network infrastructure
- Expanding flexible compute models to run cloud-like applications in BRC infrastructure (with Singularity)
- Work with RISELab, D-Lab, BIDS, et al. to develop resources



Analytics Environments on Demand

- Web-accessible environments to run analytics software packages (Stata, R Studio, ArcGIS, etc.) on a scalable platform
- Domain-specific VM images can be prepared and managed
- Provides anywhere, anytime access
- Partner with IST to provide service infrastructure and consulting, and with domains (GSPP, Haas, ARF, et al.) to define domain images and to provide end-user support



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Partner network:

