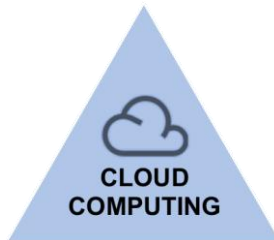


Berkeley Research Computing



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
- Institutional cluster provides subsidized access for all faculty, and students learning computational methods
- Managed in partnership with LBNL HPC Services group



Cloud Computing support (in service design phase)

- Set of compute nodes plus management layer for fast spin-up, image management
- Some amount of private cloud for protected data, very high data IO, experimentation, etc.
- Public cloud (Amazon, Azure, Google, etc.) access for scale, many common needs
- Virtual private cloud may be a hybrid as research needs require
- Working with EECS to define appropriate services



Virtual Workstation support (in service design phase)

- Analytics stacks on-demand: self-serve access to compute, storage, and commonly used software
- Domain-specific VM images can be prepared, managed
- Expanded access to lab workstation model (24/7, anywhere)
- Working with Library, D-Lab, ETS, IST to define



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 various disciplines, as part-time staff/Fellows
- Foster cross-domain community and knowledge-sharing
- Partnering with centers (D-Lab, SCF, etc.) to define