

BRC Cloud Consulting services identify cloud resources that are well-matched to researchers' needs, and facilitate access to those resources. Resources may be provided by external vendors (such as Amazon, Google, or Microsoft), national centers (such as XSEDE or NERSC), or by the Berkeley Research Computing (BRC) program. *There is no cost to researchers for these consulting services*, within manageable limits.

Engage with researchers to match requirements with appropriate cloud resources

- Review computing and data requirements for research uses to identify where those uses translate well to cloud resources.
- Assist researchers in identifying the set of cloud services that efficiently and effectively address their computational and storage requirements.
- Simplify the use of commonly used software stacks across multiple cloud platforms.
- Provide documentation, training, guidance, and referrals for translating commonly-encountered computing requirements into patterns suited for efficient and cost-effective use of cloud resources for instruction and research.
- Help researchers working with sensitive data identify whether and how they can appropriately work with that data on cloud resources.

Facilitate access to cloud resources

- Assist researchers in obtaining provider grants.
- Provide support for incorporating cloud computing resource costs into funding proposals.
- Publish documentation and provide consulting to help researchers benefit from campus contracts and guidelines.
- Assist researchers to manage costs and/or transfer times for moving data to and from cloud resources.

Automate cloud provisioning

- Provide automated provisioning scripts, 'best practices' examples, documentation, and consulting to support integrations with cloud providers that address specific types of campus research and instruction.
- Allow PIs to conveniently manage, and delegate the management of, cloud provider accounts to postdocs, graduate student researchers (GSRs), or others.
- Allow instructors to conveniently manage, and delegate the management of, cloud provider accounts to graduate student instructors (GSIs) or others.
- Help PIs and instructors to control and gain clearer insights into cloud costs via billing alerts, mechanisms to limit unintended overages, and best practices documentation.