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Research Computing

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Resource Search

Large-scale computational resources for effective research

Research Computing at Arizona State University maintains the academic supercomputing facility, providing high-performance and high-throughput computing environments to support research data needs.

Our experts provide ASU faculty, staff, students and collaborators with research technology and sponsored project consulting services.

ASU also houses a Big Data Analytics Engine that uses a Hadoop cluster with enough nodes and bandwidth for advanced data analysis and machine learning.

Stop by our **open office hours** every Tuesday and Wednesday from 1–4 p.m. in **GWC 546** to meet our HPC experts in person or request a consultation below and one of our HPC experts will contact you to further discuss your needs or questions. Our **summer open office hours** are every Tuesday from 1-4 p.m. in GWC 546.

[Request a free consultation](#)

[Create an account](#)

We can help you with your computational needs

Any ASU researcher interested in our resources is entitled to 25,000 core hours per month at no cost. Research Computing represents leading academic supercomputing capabilities — providing a high-performance computing environment, a high-end data intensive ecosystem (Big Data), a highly available 100 gigabit Internet2 connected network internal and external via Internet2 through an ESNET Science DMZ, large-scale data storage and elastic capacity to the public cloud prefunded by the university.



Dynamic infrastructure that responds to your variable IT needs

- large-scale data storage
- secure networking
- cloud computing
- variety of software packages
- access to Internet2



25,000 subsidized core hours per month, per researcher


- several HPC clusters
- large scratch space available
- GPU resources available
- researcher and departmental customizations
- consultation services





A team of experts to guide and support you

- custom research technology solutions
- access to research and education networks
- research proposal support
- ad hoc consultation and training for software and algorithms

Additional information

 [Data Management Plan](#)
Text regarding data management for grant proposals

 [Facilities Statement](#)
Text regarding computational facilities for grant proposals

 [Cluster status page](#)
See active and pending jobs

Citing Research Computing

Please reference ASU Research Computing in any research report, journal or publication that requires citation of any author's work. The minimal content of a citation should include:

Research Computing, Arizona State University

Our suggested acknowledgement is:

The authors acknowledge Research Computing at Arizona State University for providing (HPC, storage, etc.) resources that have contributed to the research results reported within this paper. URL: <http://www.researchcomputing.asu.edu>

Select one or more of the items within the braces, {}.

User testimonials



Joshua LaBaer

Executive director, the Biodesign Institute



Dijiang Huang

ASU associate professor and creator of the ThoTh Lab, a virtual, hands-on, computer science lab

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[What is iLab?](#)

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