

# Google Cloud's secure and scalable infrastructure

## Power new possibilities in research and education

### Scalable, secure and hybrid infrastructure for higher education

To attract and support the most ambitious students, faculty, and researchers, you need world-class infrastructure that scales at speed and keeps pace with big ideas. You need a secure platform that protects your data yet promotes the intelligent analysis and sharing of that data between departments. All this, and you need to control costs.

Built with scalability and security at its core, Google Cloud makes it possible. Contact us: [goo.gle/contact-us](https://goo.gle/contact-us)



We've been using GCP for almost three years now and we've seen an **average yearly savings of 44%**. Whenever people ask why we moved to the cloud this is what we point to. Usability and savings."

**Joshua Humphrey**, Enterprise Computing,  
*Georgia State University*



### The risks of ageing infrastructure

Across campuses and institutions, ageing infrastructure can hold higher education back. Key risks include:

- A poor user experience for students and faculty
- An inability to tap into the latest innovations in IT operations
- Researchers at a disadvantage in a competitive grant landscape
- Less visibility into security and compliance needs

Making the switch to secure and scalable infrastructure that's built to meet the demands of modern education will help mitigate these risks.



### Google-grade security

One of the top concerns for education leaders today is cybersecurity. With the average total cost of a data breach at \$3.92 million, this comes as no surprise. Creating a safer, more secure environment for faculty and students to do their best work is a must.

Google Cloud delivers dependable security at scale, helping you manage risk and compliance while helping to protect the privacy of your faculty and students. Tools like Cloud Security Command Center and Cloud Identity boost your security credentials and the confidence of your users.

### Google supports compliance with these industry regulations and best practices



COPPA



FERPA



HIPAA



FedRAMP



ISO/IEC  
27018



SOC 3



## Gold-star collaboration

Collaboration is at the core of modern learning. Through the sharing of ideas, we reach new discoveries faster. G Suite Enterprise for Education includes enterprise-grade productivity apps like Gmail, Docs, Calendar, and Drive to help faculty, students, and administrators collaborate securely from anywhere.

G Suite comes with enterprise-grade security, too. This is vital – security breaches are on the rise in education, with an uptick in both the volume of data disclosure attacks (99 out of 382 incidents) and in the variety of threats.



When G Suite Enterprise for Education made enterprise and data security controls available to higher education – that changed our thinking on campus."

**Bill Thompson**, Director of Digital Infrastructure,  
Lafayette College [Read case study](#)



## Best-in-class backup and disaster recovery

Academic institutions are under pressure to keep IT running smoothly 24/7. A big part of this is backup and disaster recovery. Yet backing up terabytes of data in off-site data centers is no longer practical or economically viable.

Google Cloud backup and disaster recovery solutions help prepare institutions for everything from natural disasters to need-it-now requests for academic records. With the Storage Growth Plan for Google Cloud Storage, you can get flexible data storage that's ready when you need it – and won't result in unexpected bills.



## Smart, modernized IT

Migrate and modernize your IT to keep up with the complexity and big goals of education.

It's easy using Anthos. The app modernization platform enables you to migrate and modernize your existing applications, build new ones, and run them anywhere – fast. By upgrading on-prem systems to containers, you reduce the management burden, become more efficient, and benefit from more powerful analytics, AI and ML. In fact, a Forrester study has found that organizations using Anthos report up to 5x return on investment.



With Google Cloud, features [like excellent performance and high availability] are available to us without huge upfront costs, and, in most cases, are just part of the toolset. Best of all, the costs are a fraction of what we would have paid on campus and all something that can be managed effectively with existing staff."

**Jake Holmquist**, CIO, Manhattan College [Read case study](#)



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