Reliably deliver customized learning experiences anywhere, on any device

Unprecedented growth has rocked the world of education technology. As adoption of online learning and learning management systems accelerates, education technology providers are under pressure to deliver personalized, reliable, secure learning experiences at scale and across multiple devices, regardless of infrastructure or bandwidth limitations.

The online education providers that will be able to successfully service their growing user base are those that equip their technical teams with the resources required to build with their customers’ needs in mind. Fastly’s edge cloud platform helps companies like Khan Academy, Blackboard, and TED deliver high-quality, reliable online education experiences on any device, anywhere. With Fastly, education technology companies are empowered to produce faster, reliable, more secure online lessons in a more cost-effective manner.
Rapid growth, no problem

Technological failures disrupt lessons and can diminish the trust users have in your ability to reliably deliver engaging online learning experiences. Your users want assurance that your site will remain available regardless of traffic fluctuations or increased utilization of your platform. Fastly’s network easily accommodates traffic spikes and protects against origin failures without the need to modify your infrastructure. Our load balancer instantly scales to multiple terabits per second (Tbps) for cost-effectiveness and transparency. Our software-defined network enables us to consistently route requests to the most optimal Fastly POP or server, ensuring high availability of your online education services.

Learn more about load balancing at scale →

Scale security in any environment

Fastly protects your web apps and APIs at scale, wherever they are — on-premise, cloud, containers or hybrid environments. Our award-winning next-gen Web Application Firewall (WAF) and Runtime Application Self Protection (RASP) solutions protect your organization’s entire application portfolio and provide the visibility that empowers DevOps and security teams to make their apps more resilient. Gain protection against advanced threats, including account takeover, malicious bots, API abuse, and more — all in one solution. Our platform is designed for agile teams and includes 30+ integrations with common DevOps tools and infrastructure platforms. With Fastly, you can build, deliver, and scale your apps and APIs to deliver secure online education experiences.

Learn more about security capabilities →

More speed, less cost

Online learning takes place on your site as well as from various applications, across multiple devices, and in every corner of the globe. To reach learners where they are, you can rely on Fastly’s edge cloud platform to help speed up the delivery of dynamic course content across your website, mobile apps, and software integrations. Fastly allows you to cache dynamic content, such as API responses or user comments, through programmatic invalidation of outdated content in 150 milliseconds on average*. Being able to cache both static and

*As of Dec 31 2019
dynamic content allows you to reduce trips to the origin which translates to the dual benefits of increasing stability and lowering costs.

Additionally, you can selectively and efficiently purge related content by tagging a group of objects with a defined key. In seconds, you can purge an entire semester’s worth of classes or libraries of objects, such as class catalog numbers, and term dates, and file types across your site to ensure you’re always serving learners the latest content.

Learn more about caching API responses →

The visibility you need to take action

With real-time analytics and streaming logs, Fastly empowers you to instantly see activity and take immediate action. You’ll have actionable insights to respond to course delivery disruptions, security issues, and website health problems without delay. You can also monitor the impact of new code deployments and make decisions on rollbacks as necessary — with the power to revert to previous stable code within seconds. Fastly allows you to log any aspect of requests or responses, and we’re integrated with over 30 logging endpoints for analysis and alerting.

Learn more about real-time logs for complete visibility →

Lightning fast video experiences

Meet and exceed learners’ expectations for responsive digital experiences — even for the most sought-after live and on-demand video courses. Fastly’s on-the-fly packaging (OTFP) service lets you store one file and dynamically package and deliver the right version when requested. We support all of the common streaming formats (Apple’s HLS, Adobe’s HDS, and MPEG-DASH) and resolutions, so you have flexibility when delivering media. Since we only package what users request, they can start playback immediately instead of waiting for the entire file to be packaged.

Learn more about video streaming →

“Overall, we work hard to choose services carefully, follow best practices, and develop our own as needed. I’m proud that we absorbed this rapid growth without disrupting our users.”

Marta Kosarchyn
VP Engineering
Enjoy world class support

With a customer satisfaction rating (CSAT) of over 95% for the past three years running, we pride ourselves on our customer relationships. Fastly's world-class support includes help from engineers through chat, in-depth technical documentation, solutions packages, and more. With choices ranging from white-glove to self-service, we offer everything to fit your support needs.

Learn more about Fastly support →

Getting started

Find out why customers like Khan Academy, Blackboard, and TED choose Fastly.

To learn more, please contact us at sales@fastly.com, and visit our Online Education webpage.