

Get to HTTPS faster, at enterprise scale

Platform TLS helps you build trust with users and automate certificate management

TLS termination at the edge, on a single, secure network

At a time when browsers are evolving to emphasize encryption by alerting end-users when they visit non-HTTPS sites, it's increasingly important to make sure that the web properties you run are using the high standards of TLS encryption.

Data needs to be encrypted when it's being stored and when it's moving. Since any internet-facing network is exposed to the same threats, Fastly maintains one compliant, secure, high-performance network for all customer traffic. This ensures a single platform for unified inspection and enforcement of both encrypted and unencrypted traffic flows.

Implementing TLS encryption across your website shouldn't slow it down. With Fastly, you can terminate TLS connections at our network edge, closer to end-users, offloading encrypted traffic from your web server for better performance. TLS with Fastly gives you the power to scale up while keeping operational costs down, using the Fastly API to fully automate TLS provisioning, including certificate and key management.

Manage TLS certificates at scale with Fastly

If you are looking to support HTTPS across thousands of web properties, Fastly's Platform TLS makes it easy to deploy, query, update, and retire or delete both keys and certificates. Coupled with worldwide TLS acceleration and TLS termination at the edge, Fastly enables you to deliver a secure, fast experience for your end-users. Platform TLS provides a simple way for you to configure TLS on Fastly's network using a web API. It is fast, easy to manage, and highly scalable.

Create a more secure web experience for your customers with encryption everywhere

Browsers are influencing the increased adoption of HTTPS by alerting end-users that a site may be insecure when it's not using HTTPS. Not only do you need to communicate trust on your websites and hosting spaces, but your customers entrust you to represent them to enable end-users' confidence in **their own** web presence. People will literally see red in their browser if they enter data on a website without a valid digital certificate, but your end-users can avoid this warning when you implement HTTPS.



"Adobe puts the user first, and we know that a site marked as insecure can severely damage an individual's brand. That's why Adobe Portfolio now has TLS powered by Fastly. Fastly is the only company with which we can integrate affordably at our scale. Not only is Fastly's Platform TLS good for our users to build their brands securely, it's good for the internet as a whole."

- Mike Sherov, Director of Engineering at Adobe

An affordable way to automate HTTPS at scale

Looking for a solution that allows you to scale secure custom domains or web spaces as you grow, while keeping operational costs down? Automate certificate management for hundreds of thousands of web properties while eliminating costly manual processes.

If your team needs flexibility to use certificates and keys of their choosing, Platform TLS empowers you to offer HTTPS for your customer's custom domains (e.g. Github pages) or other customized portfolio spaces. If you have built investments around Public Key Infrastructure (PKI) and work with a commercial certificate authority (CA), mass issuance of certificates may have higher costs and involve manual processes. Fastly's Platform TLS addresses this by simplifying certificate and key management at scale, allowing brands to work with any CAs in an automated fashion, including CAs that offer low-cost or free certificates, like Let's Encrypt.

Support when you need it

Fastly provides simplified management for TLS certificates at scale, along with a dedicated support team to meet your growing certificate needs. We enable you to manage thousands of TLS certificates, but we're also here to provide support when you need it.

Key capabilities

Platform TLS offers the following key capabilities in the API:

For X.509 certificates

Deploying, querying, updating deleting server-side TLS certificates

For private keys

Deploying, querying, updating and retiring keys

Contact us

If you'd like assistance with service implementation, configuration questions, or getting started on Fastly—we're here to help via support@fastly.com and webchat.freenode.net/#fastly. You can also join our [Community Forum](#) to post questions and discuss Fastly, web performance, and Varnish.

Additional documentation on Platform TLS is available on docs.fastly.com.



"Every site needs to use HTTPS because unencrypted plain HTTP traffic can be modified to contain malicious payloads. Encrypting every site on the Web means embracing automation and ease of use for managing HTTPS deployments, and that's why we created Let's Encrypt. We're happy to see Fastly embrace those principles to help more people and organizations secure their sites."

- Josh Aas, Executive Director of Internet Security Research Group, the organization behind Let's Encrypt

SUBSCRIBER PROVIDED PREFIX

Future-proof your network with persistent, dedicated IP address space

Fastly's Subscriber Provided Prefix offering allows you to use your own IP space backed by Fastly's world-wide network. Your network looks like your own, but scales with Fastly, providing unparalleled protection against traffic spikes, DDoS attacks, and network hotspots.