

# Free TLS Certificates from Let's Encrypt and Certbot



- **Let's Encrypt** is a free, automated, and open Certificate Authority.
- **Certbot** is an easy-to-use automatic client that fetches and deploys SSL/TLS certificates for your webserver.
- **Certbot** was developed by EFF and others as a client for **Let's Encrypt**
- **Certbot** is open source and runs on most Linux servers as well as other UNIX-based OSes.
- **Certbot** can automatically configure your webserver to start serving over HTTPS immediately.
- For both Apache and Nginx, it can also automate security tasks such as tuning ciphersuites, enabling important security features such as HTTP → HTTPS redirects, and HSTS.
- For Apache it can also set up upgrade-insecure-requests.
- **Certbot** is part of EFF's larger effort to encrypt the entire Internet. Websites need to use HTTPS to secure the web. With the web largely switched from non-secure HTTP to the more secure HTTPS protocol, Certbot continues to build and encourage networks that are more structurally private, safe, and protected against censorship.

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