University of Colorado Boulder

Case Study: University of Colorado at Boulder

Top University Puts Its Trust In Sectigo To Manage The Digital Certificates For Its Most Active Campus

Digital Certificates Help Keep Online Experiences Secure

E-commerce and the sharing of information are all being done every second on web sites across the globe. In order to have those transactions conducted on safe and secure websites that are authentic and genuine, digital certificates are used, which authenticate the identity of a website and encrypt information that is sent back and forth over the server. Companies and organizations can own small numbers of certificates to tens of thousands of certificates – and all of those certificates need to be managed to understand when certificates are expiring and when new certificates need to be issued. The Sectigo Certificate Manager is the optimum solution for the management and deployment of digital certificates.
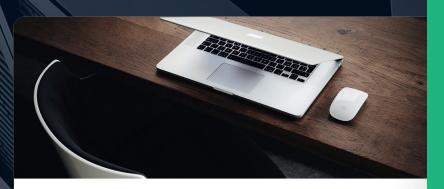
About The University of Colorado at Boulder

As the flagship University of the state of Colorado, CU-Boulder is a dynamic community of scholars and learners, and one of 34 U.S. public institutions belonging to the prestigious Association of American Universities (AAU) – and the only member in the Rocky Mountain region. The University opened its door in 1877 and has a proud tradition of academic excellence – including five Nobel laureates among its alumni.

What Does The University of Colorado at Boulder Say About Using Sectigo Certificate Manager:

"Since installing the Sectigo Certificate Manager solution, it has become a major part of our IT management infrastructure, allowing us to update, add and delete thousands of digital certificates with a streamlined dashboard and email alert system," said Craig Hurter, IT Security Manager, University of Colorado at Boulder. "With the added features of domain verification and same day expiration reissuance, SCM helps us ensure that all of our faculty, students and staff can use the internet safely and securely."

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Challenge:

The University of Colorado at Boulder has thousands of certificates within its IT infrastructure, certificates that were being used to grant on campus and wireless connections to its faculty, students and staff to research, collaborate and network across the campus and around the world. The University was in need of a system that could be implemented to help the IT staff streamline the management of the certificates – from expired certificates to issuance of new certificates, all with an easy to use management console.

Solution:

The University of Colorado signed on with Sectigo back in 2009 to implement one of the earliest versions of Sectigo Certificate Manger (SCM) as a means to manage more than 2,800 certificates across the Boulder campus. Since that time, the University has taken advantage of the dashboard features, automated email alerts and domain verification system to keep the web sites for the University safe and secure for its students, faculty and staff. With SCM, the University is also able to add new certificates and delete expired certificates through the centralized certificate dashboard, ensuring all expiring certificates are quickly updated, to limit any down time.

Benefits of Sectigo Certificate Manager:

- Flexible and reliable system for digital certificate issuance and lifecycle management

- Automates and centralizes the management of cryptographic keys

- Configurable email alerts to receive notifications about certificate requests and upcoming expiration notices

- Auto Discovery feature imports all existing and future SSL certificates (even for different vendors) on company websites and internal networks

- Ensures no unexpected certificate expiration via a detailed notification processes

- Streamlines lifecycle administration with rapid enrollment, approval, issuance, revocation and renewal of all SSL certificates from any CA

- Expert technical assistance

- Cloud-based solutions for ease of use and management

- Real time status checking

- Same day expiration reissuance

- Qualified enterprises can become sub-CAs, allowing for the issuance of certificates directly to their clients

About Sectigo

Sectigo is a leading cybersecurity provider of digital identity solutions, including TLS / SSL certificates, DevOps, IoT, and enterprise-grade PKI management, as well as multi-layered web security. As the world's largest commercial Certificate Authority with more than 700,000 customers and over 20 years of experience in online trust, Sectigo partners with organizations of all sizes to deliver automated public and private PKI solutions for securing webservers, user access, connected devices, and applications. Recognized for its award-winning innovation and best-in-class global customer support, Sectigo has the proven performance needed to secure the digital landscape of today and tomorrow. For more information, visit www.sectigo.com and follow @SectigoHQ.

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