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Advance CAMP Thu. Dec 11, 2025

Room - 2

Session Title: PKI management in 2027/cert automation

CONVENER:

MAIN SCRIBE(S):

ADDITIONAL CONTRIBUTORS:

of ATTENDEES: 13

DISCUSSION:

Certificate lifetimes

Today	398 days
March 2026	200 days
March 2027	100 days
March 2029	47 days

Also DCV expiration is reducing to 10 days.

Ansible Playbooks using ACME CertBot and Sectigo

API on F5 LTM to push certificates

LDAP passthrough using Ansible playbooks as well

InCommon helping community colleges without technical depth

Ansible CertBot

Private KeyStore– NFS share

Fronting NFS with Apache and MFA in future.

Will not add credentials to devices to auto-renew

StepCA opensource with credentials to talk directly to Sectigo

[RIT– Certificat](#)

[certificat.rit.edu](#) authentication through InCommon

Delegate subdomains certificates to other people/departments.

ACME/Sectigo ORG structure.

Delegate to staff who do manual task of renewal.

Outlook Calendar notification for renewal.

Outsourced services.

External partners. Using Let's Encrypt. Free certs. Transition to InCommon.

Let's Encrypt and Google PKI.

Let's Encrypt requires external access for hosts to potentially untrusted systems.

ACME proxy for [StepCA](#).

Acme-proxy is a custom module written by ESnet (for ESnet) (git repo is currently private). It is planned to be open-source and we are happy to share. Contacts: skwang_at_es.net, kagraw_at_es.net

Let's Encrypt requests tier capped.

RBAC access for who is allowed to request certificates, using Grouper.

Departmental System in Sectigo to delegate. Delegates are required to setup certificate automations.

RADIUS- RADSEC

EDUROAM

EDUROAM certs— private CA and no roll over. RADIUS server is still public chained.

DCV:

10 day. DNS validation.

Sectigo challenge.

What is the DCV process? Clarify pieces that need to change every 10 days.

Plans to setup slack channel and group Zoom call

Follow InCommon org structure

Request for delegation triggered from Sectigo CertManager