

Common CA Database

Update for CA/Browser Forum F2F 60
October 3, 2023

01

ccadb.org Updates

- 5 Minutes

02

System Feature Updates

- 5 Minutes

03

Reminders/Coming Soon!

- 5 Minutes

1. ccadb.org Updates



Added...

[CCADB Usage Guidelines](https://www.ccadb.org/cas/usage-guidelines)

<https://www.ccadb.org/cas/usage-guidelines>



Updated...

[CCADB Tools](https://github.com/mozilla/CCADB-Tools)

<https://github.com/mozilla/CCADB-Tools>

1.1 CCADB Usage Guidelines

Challenge: Our yearly entitlement policy on Salesforce is based on our average daily-unique-logins, which resets annually on August 5.

- Salesforce counts one login for each 24-hour period that a user logs in, which is referred to as daily-unique-login.

Goal: Provide Guidance

- <https://www.ccadb.org/cas/usage-guidelines>
- Consume less than 5 daily-unique-logins per month on average - i.e., one day per week (There will be certain months in which you need to log in more frequently to update data regarding your CA, which is why we focus on average usage.)

1.2 Updated CCADB Tools

Challenge: Maintenance of tooling with external dependencies

→ PEM Import and EV Readiness tools had a TLS Observatory dependency

Goal: Simplify Maintenance

→ <https://github.com/mozilla/CCADB-Tools>

→ No longer dependent on TLS Observatory

→ PEM Import Tool (“Certificate” on GitHub)

- ◆ Takes a PEM-encoded certificate and outputs JSON containing the parsed certificate and its raw X509 version encoded with base64.

→ EV Readiness Tool (“evReadiness” on GitHub)

- ◆ https://wiki.mozilla.org/PSM:EV_Testing_Easy_Version
- ◆ <https://evready-dot-ccadb-231121.uc.r.appspot.com/evready>

2. System Feature Updates



Added...

[CA Reports and
Communications](#)



Adding...

Audit Team Qualifications

<https://docs.google.com/document/d/1cea-dVa3IX9Uen7Tn2upsxyYJhej0b2QN3FwujZNj9M/>

2.1 CA Reports

CCADB updated to provide new “My CA” functions > CA Reports Filter and Export Data for Audits and Self-Assessments

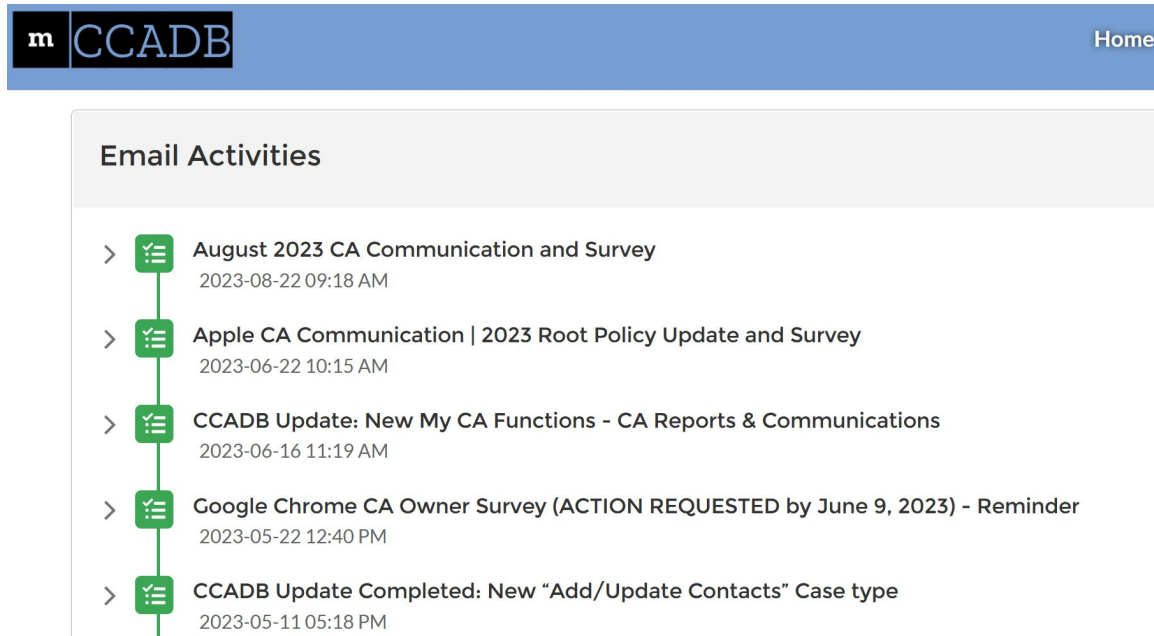
Record Type: | TLS Capable: | TLS EV Capable: | Code Signing Capable: | S/MIME Capable: | * Revocation Status: | >= Valid To (GMT): | <= Valid To (GMT): (20 records)

* When this filter is used, the Record Type filter will be set to Intermediate Certificates Check header column(s) to hide in the exported file.

<input type="checkbox"/> Root / <input type="checkbox"/> Intermediate Certificate Name	<input type="checkbox"/> Record Type	<input type="checkbox"/> Hierarchy Level	<input type="checkbox"/> Certificate Subject
Izenpe.com	Root Certificate	1	CN=Izenpe.com; O=IZENPE S.A.; C=ES
CA de Certificados SSL EV	Intermediate Certificate	2	CN=CA de Certificados SSL EV; OU=BZ Ziurtagiri publikoa - Certificado publico EV; O=IZENPE S.A.; C=ES
CA de Certificados SSL EV	Intermediate Certificate	2	CN=CA de Certificados SSL EV; O=IZENPE S.A.; C=ES
CA de Certificados SSL EV	Intermediate Certificate	2	CN=CA de Certificados SSL EV; OU=BZ Ziurtagiri publikoa - Certificado publico EV; O=IZENPE S.A.; C=ES
CA de Certificados SSL EV	Intermediate Certificate	2	CN=CA de Certificados SSL EV; OU=BZ Ziurtagiri publikoa - Certificado publico EV; O=IZENPE S.A.; C=ES
CA Teknikoa - CA Tecnica	Intermediate Certificate	2	CN=CA Teknikoa - CA Tecnica; OU=AZZ Ziurtagiri publikoa - Certificado publico SCA; O=IZENPE S.A.; C=ES
CA Teknikoa - CA Tecnica	Intermediate Certificate	2	CN=CA Teknikoa - CA Tecnica; OU=AZZ Ziurtagiri publikoa - Certificado publico SCA; O=IZENPE S.A.; C=ES
EAEko HAetako langileen CA - CA personal de AAPP vascas (2)	Intermediate Certificate	2	CN=EAEko HAetako langileen CA - CA personal de AAPP vascas (2); OU=AZZ Ziurtagiri publikoa - Certificado publico SCA;
EAEko HAetako langileen CA - CA personal de AAPP vascas (2)	Intermediate Certificate	2	CN=EAEko HAetako langileen CA - CA personal de AAPP vascas (2); OU=AZZ Ziurtagiri publikoa - Certificado publico SCA;

2.1 CA Communications

CCADB updated to provide new “My CA” functions > Communications > Email



The screenshot shows the CCADB website interface. At the top, there is a blue navigation bar with the CCADB logo on the left and a "Home" link on the right. Below the navigation bar, the main content area is titled "Email Activities". This section contains a vertical list of five email notifications, each with a green icon of a document with a checkmark, a right-pointing chevron, the subject line, and the timestamp.

Subject	Timestamp
August 2023 CA Communication and Survey	2023-08-22 09:18 AM
Apple CA Communication 2023 Root Policy Update and Survey	2023-06-22 10:15 AM
CCADB Update: New My CA Functions - CA Reports & Communications	2023-06-16 11:19 AM
Google Chrome CA Owner Survey (ACTION REQUESTED by June 9, 2023) - Reminder	2023-05-22 12:40 PM
CCADB Update Completed: New "Add/Update Contacts" Case type	2023-05-11 05:18 PM

2.2 Audit Team Qualifications

Challenge: Qualification attributes of Audit Teams are

- Included in the ETSI AAL
- Separate from the WebTrust Assurance Report
- Only defined in the Mozilla Root Store Policy today (but desired by other Root Store programs)
- Stored in multiple locations and tracked manually by Root Store Operators

Goal: Simplify & Consolidate

- Consolidate desired Audit Team Qualification attributes into a **single** policy (CCADB Policy)
- **All** Audit Team Qualifications stored within the CCADB
- Allow CA Owners to **easily** attach Audit Team Qualifications within the AUDITS tab

2.2 Audit Team Qualifications

CA Owners can:

- Upload an Audit Team Qualifications document

Root Store Operators can:

- Confirm Audit Team Qualifications within the same CCADB Case and keep all documentation within the CCADB

2.2 Audit Team Qualifications - File Upload

Case 00001342 Submit to Root Store Help Get URLs

CA Owner/Certificate Name: [Example CA](#) Case Record Type: Add/Update Root Request Case Request Status: Initial Request Created

CA OWNER **AUDITS** POLICY DOCUMENTS ROOT INFORMATION TEST WEBSITES CASE PROGRESS

Validate Audits (ALV) Show Changes

▼ Reports

[List All Audit Firms](#) [List All Auditor Contacts](#) [WebTrust Seal to PDF Map](#)

> Audit Firm

▼ Audit Team

Audit Team Qualifications

Audit Team Qualifications Confirmed

▼ Standard Audit Information

Standard Audit Statement (Link) <input type="checkbox"/>	Standard Audit Authenticity Confirmed <input type="checkbox"/>
Standard Audit Type	Standard Audit ALV Status <input type="checkbox"/>
Standard Audit Statement Date	Standard Audit ALV Results <input type="checkbox"/>
Standard Audit Period Start Date	Standard Audit ALV Comments <input type="checkbox"/>
Standard Audit Period End Date	
Standard Audit Deviation <input type="checkbox"/>	
Standard Audit Comments	

> Applicable root certificates (Number Selected: 0)

▼ Code Signing Audit Information

2.2 Audit Team Qualifications - File Upload

The screenshot displays a web application interface for Case 00001342. The main content area is titled 'AUDITS' and includes a 'Validate Audits (ALV)' button and a 'Show Changes' button. Below this, there are sections for 'Reports', 'Audit Firm', 'Audit Team', and 'Standard Audit Information'. A modal dialog box is open, titled 'Upload file for Audit Team Qualifications', with a close button (X) in the top right corner. The dialog contains an 'Add/Replace File' label, an 'Upload Files' button with a cloud icon, and a dashed box labeled 'Or drop files'. Below the upload options, it states 'Allowed file formats : doc, docx, pdf, csv, txt'. A 'Close' button is located at the bottom right of the dialog. The background interface shows a sidebar with 'CA OWNER', 'AUDITS', 'POLICY DOCUMENTS', 'ROOT INFORMATION', 'TEST WEBSITES', and 'CASE PROGRESS'. The 'AUDITS' section is expanded, showing a table with columns for 'Standard Audit Type', 'Standard Audit Statement Date', 'Standard Audit Period Start Date', 'Standard Audit Period End Date', 'Standard Audit Deviation', and 'Standard Audit Comments'. The table has several rows of data, some with edit icons and status indicators. At the bottom, there is a section for 'Applicable root certificates (Number Selected: 0)' and a 'Code Signing Audit Information' section.

2.2 Audit Team Qualifications - File Upload

The screenshot displays a web application interface for managing CA cases. The main content area is titled 'Audit Team' and contains a table with columns for 'Audit Team' and 'Add/Replace'. A modal dialog box titled 'Upload Files' is open, showing a file named 'Auditor Qualifications US - Mozilla February...' with a size of 38 KB. The progress bar is at 100%, and a green checkmark indicates successful upload. A 'Done' button is visible in the dialog. The background interface includes a navigation menu with 'AUDITS' selected, and various sections like 'Reports', 'Audit Firm', 'Standard Audit Information', and 'Code Signing Audit Information'. The case ID '00001342' is visible in the top left corner.

2.2 Audit Team Qualifications

■ Case
00001342

[Submit to Root Store](#)
[Help](#)
[Get URLs](#)

CA Owner/Certificate Name
[Example CA](#)
Case Record Type
Add/Update Root Request
Case Request Status
Initial Request Created

CA OWNER
AUDITS
POLICY DOCUMENTS
ROOT INFORMATION
TEST WEBSITES
CASE PROGRESS

Validate Audits (ALV)
Show Changes

▼ Reports

[List All Audit Firms](#)
[List All Auditor Contacts](#)
[WebTrust Seal to PDF Map](#)

> Audit Firm

▼ Audit Team

Audit Team Qualifications ●
<https://caadb-sbccadbs.sandbox.my.site.com/sfc/servlet.shepherd/document/download/0697c00001phVDAAY>

Audit Team Qualifications Confirmed

▼ Standard Audit Information

Standard Audit Statement (Link) ●	Standard Audit Authenticity Confirmed ● <input type="checkbox"/>
Standard Audit Type	Standard Audit ALV Status ●
Standard Audit Statement Date ●	Standard Audit ALV Results ●
Standard Audit Period Start Date ●	Standard Audit ALV Comments ●
Standard Audit Period End Date ●	
Standard Audit Deviation ● <input type="checkbox"/>	
Standard Audit Comments	

> Applicable root certificates (Number Selected: 0)

▼ Code Signing Audit Information

3. Coming Soon!

→ CCADB Update Dashboard

- ◆ Please continue to file CCADB enhancements, bugs, and API access requests

→ CCADB Prioritization Process

- ◆ Create Enhancement Requests

(https://bugzilla.mozilla.org/enter_bug.cgi?format=guided#h=bugForm%7CNSS%7CCommon+CA+Database)

- ◆ Comment on backlog items

→ S/MIME BR Audit Reporting

→ New Incident Reporting Format

- ◆ Can expect to see CCADB Root Store Operators sharing rotational incident report duties

3.1 New Incident Reporting Format

1. **Summary:** a short description of the nature of the issue
2. **Impact:** a short description of the size and nature of the incident
3. **Timeline:** detailed timeline of all events and actions leading up to and taken during and after the incident
4. **Root Cause Analysis:** detailed analysis of conditions giving rise to the issue
5. **Lessons Learned:** what went well, what didn't, and where you got lucky
6. **Action Items:** *Preventative*, *Mitigating*, and *Detection* actions and dates
7. **Appendix:** certificate data, log files, graphs and charts, etc.

Incident Report Template

```
## Incident Report
```

```
### Summary
```

```
### Impact
```

```
### Timeline
```


3.2 Reminders =)

→ support@ccadb.org

- ◆ Continue to utilize for questions/issues regarding a case in the CCADB
- ◆ CCADB Root Store Operators share responsibility in responding to inquiries

→ public@ccadb.org

- ◆ Valuable as a consolidated space where Root Store Operators share management responsibility
- ◆ [Code of conduct](#) - be respectful and kind

(<https://docs.google.com/document/d/19ALqEvHtTE6OUTz2FaOXrU9gruldvia5EDh3hXeGpZA>)