

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](#)



Updated...

[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


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)				
<div>All</div>	<div>None</div>	<div>None</div>	<div>None</div>	<div>None</div>	<div>None</div>	<div></div>	<div></div>	<div>Apply Filters</div>	<div>Export to CSV</div>			
* 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.						
<div>Root / Intermediate Certificate Name</div>										<div>Record Type</div>	<div>Hierarchy Level</div>	<div>Certificate Subject</div>
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

 Home

Email Activities

- >  **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] 

Standard Audit Type



Standard Audit Statement Date



Standard Audit Period Start Date



Standard Audit Period End Date



Standard Audit Deviation


Standard Audit Comments


 Standard Audit Authenticity Confirmed  ☐


 Standard Audit ALV Status 


 Standard Audit ALV Results 

 Standard Audit ALV Comments 

 Applicable root certificates (Number Selected: 0)



 Code Signing Audit Information



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

Upload file for 'Audit Team Qualifications'

Add/Replace File [Upload Files](#) Or drop files

Allowed file formats : doc, docx, pdf, csv, txt

[Close](#)

▼ Standard Audit Information

Standard Audit Statement (URL)	Authenticity Confirmed
Standard Audit Type	Standard Audit ALV Status
Standard Audit Statement Date	Standard Audit ALV Results
Standard Audit Period Start Date	
Standard Audit Period End Date	Standard Audit ALV Comments
Standard Audit Deviation	
Standard Audit Comments	

> Applicable root certificates (Number Selected: 0)

▼ Code Signing Audit Information

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

Standard Audit Information

Standard Audit Statement (URL) Authenticity Confirmed

Standard Audit Type Standard Audit ALV Status

Standard Audit Statement Date Standard Audit ALV Results

Standard Audit Period Start Date Standard Audit ALV Results

Standard Audit Period End Date Standard Audit ALV Comments

Standard Audit Deviation

Standard Audit Comments

Applicable root certificates (Number Selected: 0)

Code Signing Audit Information


Upload Files


Auditor Qualifications US - Mozilla February... 38 KB

1 of 1 file uploaded

[Done](#)

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

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▼ Reports

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[List All Auditor Contacts](#)

[WebTrust Seal to PDF Map](#)


> Audit Firm



▼ Audit Team




Audit Team Qualifications ⓘ

<https://ccadb-stbccaadb.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 ⓘ ☐

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 ⓘ ☐

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