Common CA Database

Update for CA/Browser Forum F2F 57
October 24, 2022

01	ccadb.org Updates	●	3 Minutes
02	System Feature Updates	●	6 Minutes
03	CCADB Groups	●	3 Minutes
04	CCADB Public Discussion	●	6 Minutes
05	Reminders/Coming Soon!	●	2 Minutes

1. ccadb.org Updates

7/'22 — **8**/'22 — **9**/'22 — **10**/'22

Added…

New User & Password Reset instructions

Updated…

Updating Audit Statements, Policy Documents, and Other Data page

Superseded…

previous Audit Case guidance with Create an Add/Update Root Request instructions

Added…

Root Certificate upload to CCADB instructions

2. System Feature Updates

2.1 VMC Audits

2.2 Derived Trust Bits

2.3 Add/Update Root Request

2.4 Root Information Tab

2.5 Root Inclusion Request

2.1 VMC Audits

Fields for <u>Verified Mark Certificate (VMC)</u> audits have been added to Root and Intermediate certificate records and the CCADB <u>API</u>.

2.2 Derived Trust Bits

Derived Trust Bits are used to determine which audits are needed for each Intermediate certificate.

Recomputed all of the Derived Trust Bits on Intermediate Certificate objects after making the OID -> friendly-name mapping table dynamic and adding mappings that had been missing. (Bug #1770215)

2.3 Add/Update Root Request

Before

- ● CA Audit Update Request
- ○ CA Information Update Request (Non-Audit)
- ○ CA Root Inclusion Request

After

- ● Add/Update Root Request
- ○ CA Root Inclusion Request

2.3 Add/Update Root Request

> CA OWNER

> AUDITS

> POLICY DOCUMENTS

> ROOT INFORMATION

> TEST WEBSITES

2.4 Root Information Tab

> Root CA Background

> CA CRL

> PKI Hierarchy

> Self-Assessment

> Key Generation

For **existing** root CAs included in all programs

For **new** root CAs requesting inclusion in some programs

2.5 Root Inclusion Request [Coming Soon]

Intent: **Simplify**

➔ CA owner submits **one** Root Inclusion Request case

➔ Can apply to **multiple** root stores

➔ Can select **multiple** root CA certificates

➔ CCADB Root Store Members process the inclusion request to their store according to their program goals, requirements, and timelines

CCADB Cases

Add root CA certificate to CCADB
`Add/Update Root Request`

CCADB Cases

Add root CA certificate to CCADB
`Add/Update Root Request`

Request root CA certificate inclusion
`Root Inclusion Request`

CCADB Cases

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`Root Inclusion Request`

Root inclusion public discussion & detailed Root Store Member review
`Root Record` + `Root Inclusion Case`

3. CCADB Groups

Moving from Mozilla managed group to CCADB Steering Committee managed group for public discussion

public@ccadb.org

Intent: Consolidated Shared-Space

➔ CCADB and ccadb.org updates
➔ Root Store Program announcements
➔ CCADB policy announcements
➔ Incident lessons learned
➔ Root CA certificate inclusion requests

4. CCADB Public Discussion

Assessing the **value** of public discussion

➔ Improves security, transparency, and interoperability.
➔ Highlights concerning behavior, practices, or ownership background information not readily available
    through audits, CP/CPS reviews, or other inclusion processing inputs.
➔ Collectively, this community provides elements of the Web PKI that enable security and privacy for
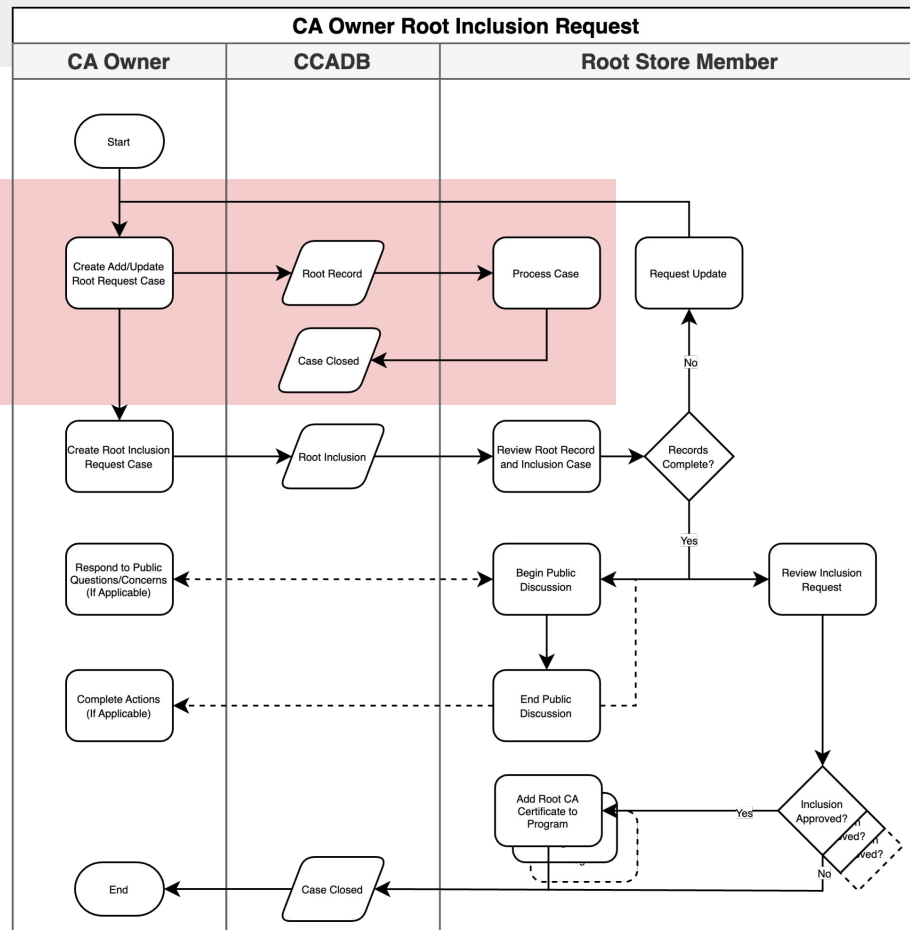   users on the Internet.

4. CCADB Public Discussion
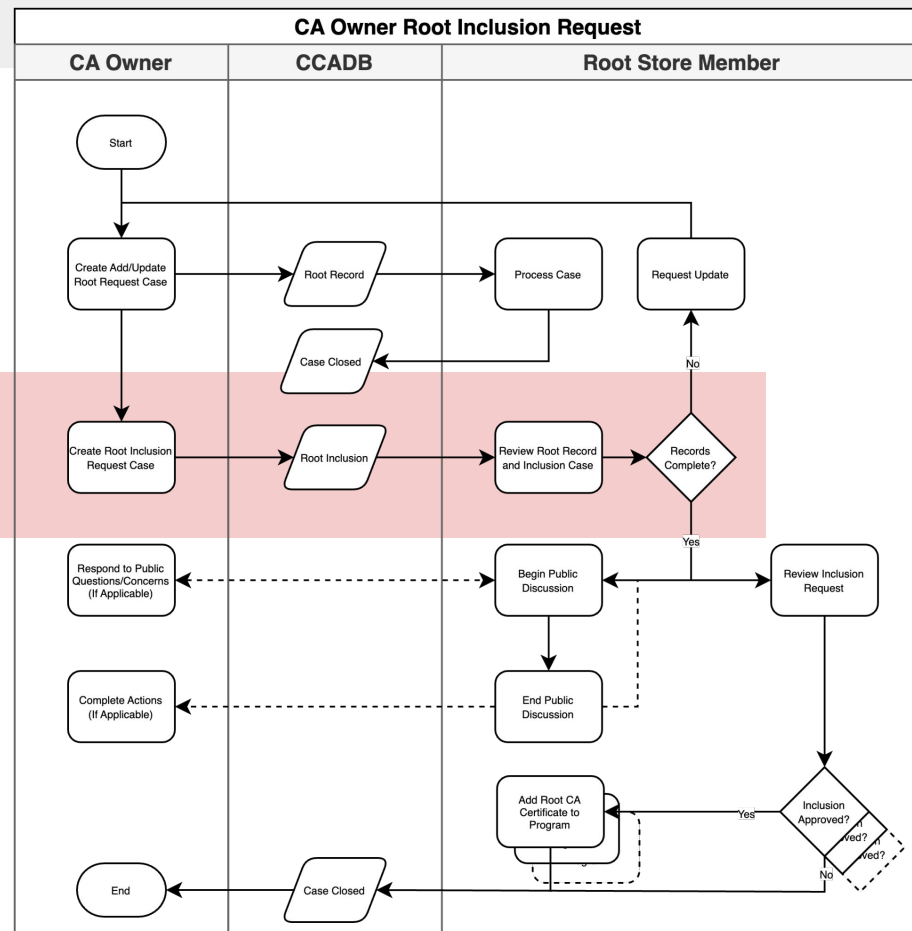
Root CA certificate inclusion public discussion

Let's adjust, **slightly**…

4. CCADB Public Discussion

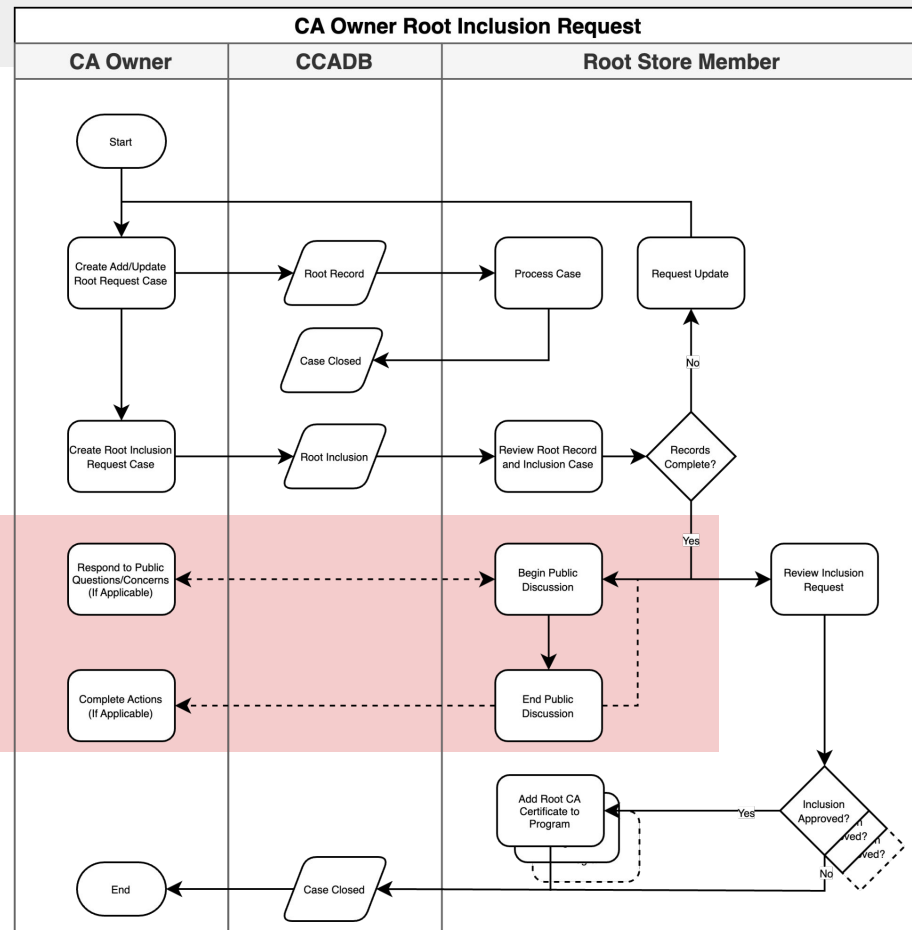Add root CA certificate to CCADB
`Add/Update Root Request`

4. CCADB Public Discussion

Request root CA certificate inclusion
`Root Inclusion Request`

4. CCADB Public Discussion

Root inclusion public discussion
`public@ccadb.org`

CA Owner Root Inclusion Request

| CA Owner | CCADB | Root Store Member |

4. CCADB Public Discussion

Public contributes to identifying concerns or known questionable behavior **earlier** in the inclusion process.

Public has the opportunity to review **the same information as today** with an exception of a detailed CP/CPS review performed by a Root Store Member.

Root Store Member detailed validation review **can begin in parallel** with public discussion but can finish whenever each individual Member completes their review, which may be impacted by the results of public discussion.

CA Owner Root Inclusion Request

| CA Owner | CCADB | Root Store Member |
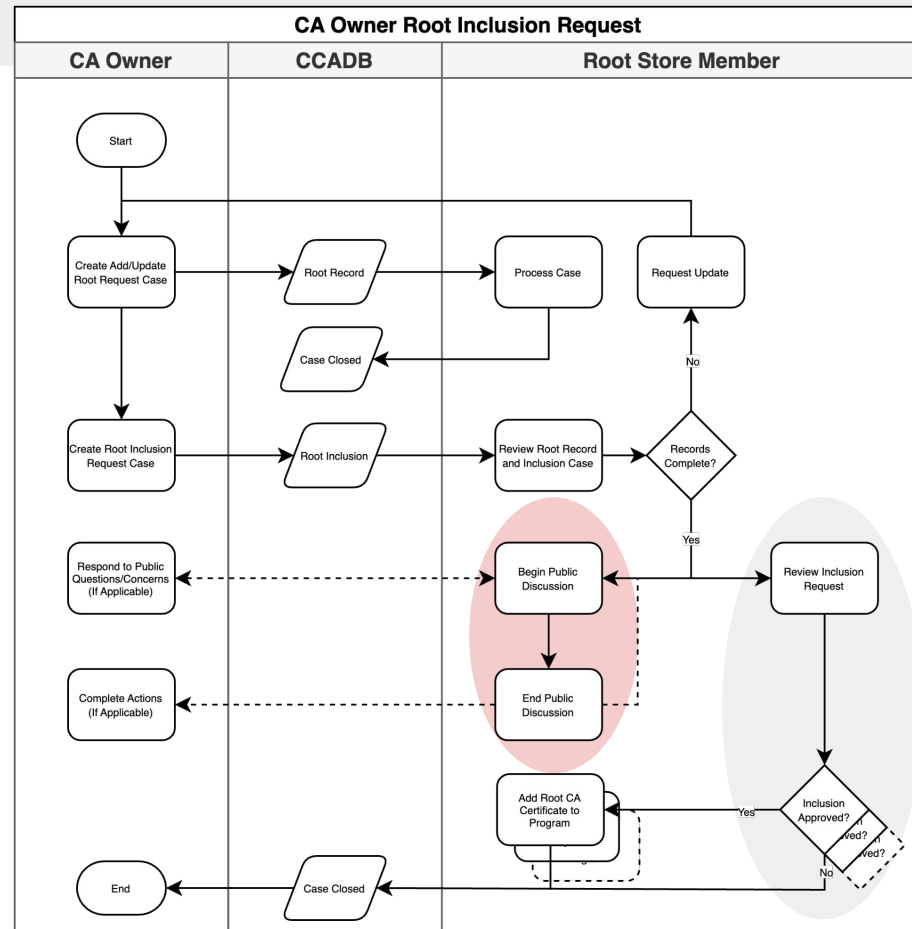
5. Reminders/Coming Soon!

➔ CCADB Update Dashboard https://wiki.mozilla.org/CA/CCADB_Dashboard
  ◆ Please continue to file CCADB enhancements, bugs, and API access requests
➔ New Root Inclusion Request Workflow
  ◆ Currently in development
➔ New CCADB Self-Assessment
  ◆ Planning to solicit community feedback, *soon*
➔ CCADB Policy v1.2
  ◆ Currently in draft with CCADB Steering Committee
➔ CCADB Audit Reminder Email (monthly)
  ◆ CA Owner task list clean up (CA Home page in CCADB)

public@ccadb.org