JAVASCRIPT EXECUTION QUICK KEY

Restrictions

There are 3 **restriction** checks:
* Is JS enabled for the application?
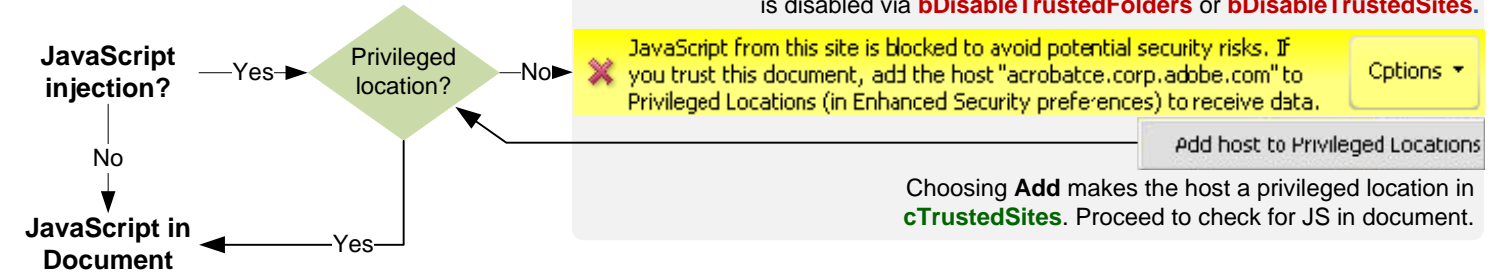* Is the API blacklisted?
* Is the API "high privileged"?
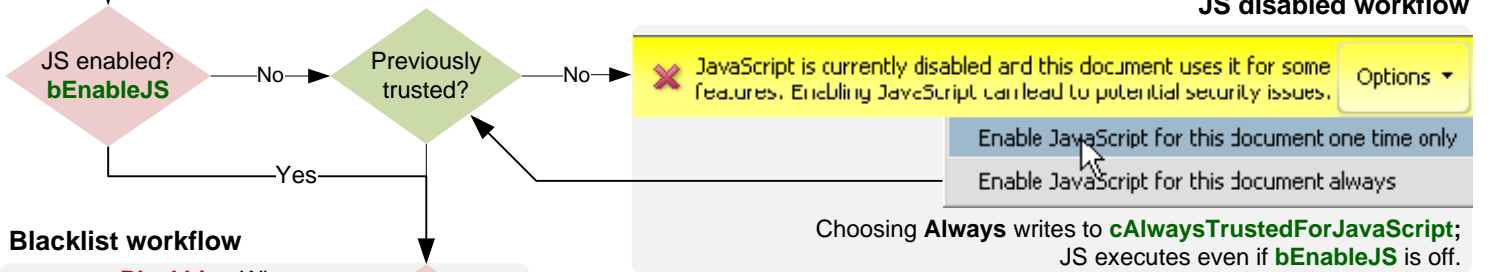
Permissions

There are 3 ways **trust** can be assigned:
* Enabling JS and not restricting any API.
* Trusting specific documents by ID.
* Via certificates used for certified docs.
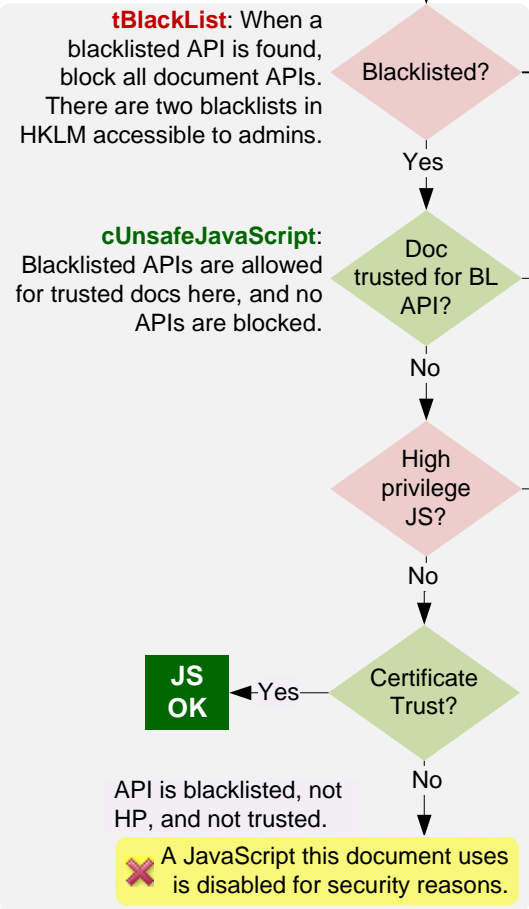
JS injection workflow

The **Options** button does not appear if user-specified privileged locations is disabled via **bDisableTrustedFolders** or **bDisableTrustedSites**.
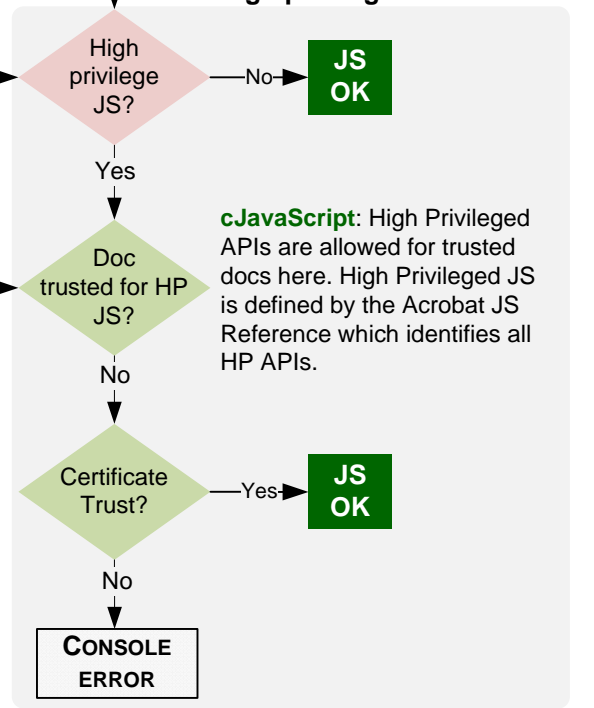
JavaScript from this site is blocked to avoid potential security risks. If you trust this document, add the host "acrobatce.corp.adobe.com" to Privileged Locations (in Enhanced Security preferences) to receive data. [Options ▼]

Add host to Privileged Locations

Choosing **Add** makes the host a privileged location in **cTrustedSites**. Proceed to check for JS in document.

JavaScript injection? —Yes→ Privileged location? —No→ (blocked message above)

Privileged location? —Yes→ **JavaScript in Document**

JavaScript injection? —No→ **JavaScript in Document**

JS disabled workflow

JavaScript in Document → **JS enabled? bEnableJS**

JS enabled? bEnableJS —No→ Previously trusted?

Previously trusted? —No→ JavaScript is currently disabled and this document uses it for some features. Enabling JavaScript can lead to potential security issues. [Options ▼]

Enable JavaScript for this document one time only
Enable JavaScript for this document always

Choosing **Always** writes to **cAlwaysTrustedForJavaScript**; JS executes even if **bEnableJS** is off.

Previously trusted? —Yes→ Blacklisted?

Blacklist workflow

tBlackList: When a blacklisted API is found, block all document APIs. There are two blacklists in HKLM accessible to admins.

cUnsafeJavaScript: Blacklisted APIs are allowed for trusted docs here, and no APIs are blocked.

Blacklisted? —No→ High privilege JS?

Blacklisted? —Yes→ Doc trusted for BL API?

Doc trusted for BL API? —Yes→ High privilege JS? (High privilege JS workflow)

Doc trusted for BL API? —No→ High privilege JS?

High privilege JS? —Yes→ Doc trusted for HP JS?

High privilege JS? —No→ Certificate Trust?

Certificate Trust? —Yes→ **JS OK**

Certificate Trust? —No→ (see note below)

API is blacklisted, not HP, and not trusted.

A JavaScript this document uses is disabled for security reasons.

High privilege JS workflow

High privilege JS? —No→ **JS OK**

High privilege JS? —Yes→ Doc trusted for HP JS?

cJavaScript: High Privileged APIs are allowed for trusted docs here. High Privileged JS is defined by the Acrobat JS Reference which identifies all HP APIs.

Doc trusted for HP JS? —Yes→ High privilege JS?

Doc trusted for HP JS? —No→ Certificate Trust?

For certified documents where the signing certificate is trusted for (or chains to anchor trusted for) high privileged JavaScript. The signature must be valid.

Certificate Trust? —Yes→ **JS OK**

Certificate Trust? —No→ **CONSOLE ERROR**