

SPC pilot findings

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Summary of findings

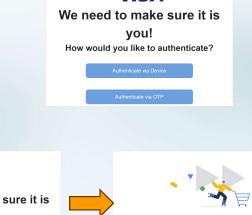
- 1. User activation requirement
- 2. Additional device registration
- 3. Username on registration and authentication
- 4. Credential sharing on device(s)
- 5. Future SPC considerations/clarifications

Summary of SPC pilot findings

- 1. User activation requirement
- Payment Request API → Transient user activation required.
- Implementation approach for pilot: Dual authentication option.
- Removal of user activation in upcoming Chrome ver 118.

2. Additional device registration

- RP (ACS) returns credential list.
- Credential not recognised → Failed authentication.
- Challenge → Registration on new device.
- User Interface has two additional steps in journey.
- 3. Username on registration and authentication
- WebAuthn maps user identity during registration to `name` field. Tied to user, not device.
- Platform dependent: Windows: shown on registration and authentication. Android/Mac: shown on registration only.
- Considerations: PAN, Masked PAN, Set by user during registration.



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Summary of SPC pilot observations

- 4. Credential sharing on device(s)
- SPC credential = Unique identifier. User identity + RP ID + device platform authenticator.
- Browser \rightarrow {SPC credential list}. Platform authenticator \rightarrow {FIDO credentials}.
- Case 1: Cross-browser, same device:
 - Browsers not sharing of SPC credentials.
 - Platform dependent: Android shares at platform not browser level. Windows/Mac do not.
- Case 2: Cross-device via passkeys:
 - Windows 11 passkey synced to all devices.
 - SPC will fail as browsers will not have synced SPC credentials.
 - Registration on new device fails, platform authenticator reports existing credential exists.

5. Future SPC considerations/clarifications

- Importance of Biometrics in 3DS.
- Issuer and Payment system logos in SPC UI?
- Webauthn device public key extension effect on SPC?
- Roaming authenticators like Yubico?

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Thank you

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