Secure Patterns for Internet Credentials (SPICE)

IETF 124

Note Well

By participating in the IETF you agree to follow IETF processes and policies. This Note Well is a reminder of some of those policies. For a linked version of this text, please visit *www.ietf.org/note-well* or use the QR code below.

- IETF participants are expected to behave in a professional manner and extend respect and courtesy to their colleagues at all times (see *RFC 7154: IETF Guidelines for Conduct and IETF Anti-Harassment Policy*). If you have any concerns about behavior, please contact the *Ombudsteam* who have a duty of confidentiality and extensive powers to act, as set out in *RFC 7776: IETF Anti-Harassment Procedures*.
- If you are aware that any IETF contribution (as defined in *RFC 5378: Rights Contributors Provide to the IETF Trust*) is covered by patents or patent applications that are owned or controlled by you, your employer or your sponsor, you must disclose that fact, or not participate in the discussion (see *RFC 8179: Intellectual Property Rights in IETF Technology*).
- For detailed process information consult *RFC 2026: Internet Standards Process* and *RFC 2418: IETF Working Group Guidelines and Procedures* and updates to those.
- The IETF routinely makes public written, audio, video, and photographic records of IETF activities, including your personal information as set out in the *IETF Privacy Statement*.

For advice, please talk to Working Group chairs or Area Directors.

I E T F

IETF Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
  - join the mic queue
  - participate in shows of hands
- Keep audio and video off if not using the onsite version.

Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Meeting adminstrivia

Scribe(s), please!

Agenda

Welcome & What is SPICE - 5 min (chairs)

Document Discussion - 75 min

- "Use Cases for SPICE" draft-ietf-spice-use-cases (Brent Zundel) - 5 min
- "GLobal Unique Enterprise (GLUE) Identifiers" draft-ietf-spice-glue-id (Brent Zundel) - 15 min
- "OpenID Connect standard claims registration for CBOR Web Tokens" draft-ietf-spice-oidc-cwt (Beltram Maldant) - 15 min
- "SPICE SD-CWT" draft-ietf-spice-sd-cwt 20 min (Rohan Mahy/Henk Birkholz) - 20 min
- Call for adoption: "A reference architecture for direct presentation credential flows' draft-johansson-direct-presentation-arch (Leif Johansson) - 15 min

AOB

IETF

What is SPICE

Charter

- analyze existing and emerging IETF technologies and address any remaining gaps to facilitate their application in **digital credentials and presentations**
- develop **digital credential profiles** that support various use cases

Security & Privacy

- Implementation guidance around Privacy by Design, confidentiality, and consent
- Privacy and security considerations re:
  - confidential computing
  - remote attestation
  - trusted execution environments (TEE)
  - hardware security modules (HSM) on digital credentials
  - redaction, linkability, and selective disclosure

Coordination

- RATS (Remote ATtestation ProcedureS)
- OAuth (Web Authorization Protocol)
- JOSE (Javascript Object Signing and Encryption)
- COSE (CBOR Object Signing and Encryption)
- SCITT (Supply Chain Integrity, Transparency, and Trust)
- WIMSE (Workload Identity in Multi System Environments)

Out of Scope

- General Key discovery
- New cryptographic primitives

Working Group Resources

Mailing list: spice@ietf.org

GitHub: https://github.com/ietf-wg-spice

Website: https://ietf-wg-spice.github.io/