

Secure Patterns for Internet Credentials (SPICE)

IETF 121

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
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- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)

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 - 10 min (chairs)

Document Discussion - 40 min

- SPICE SD-CWT - <https://datatracker.ietf.org/doc/draft-ietf-spice-sd-cwt/> - 15 min (Mike Prorock)
- SPICE GLUE: GLocal Unique Enterprise Identifiers - <https://datatracker.ietf.org/doc/draft-zundel-spice-glue-id/> - 15 min (Brent Zundel)
- OpenID Connect standard claims registration for CBOR Web Tokens - <https://datatracker.ietf.org/doc/draft-maldant-spice-oidc-cwt/> (Beltram Maldant)

Any Other Business - 10min

- Building a test suite (Orie Steele)

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/>