

Decentralized Identity Foundation (DIF)

CAWG Introduction to DIF

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About DIF

DIF is a Linux Foundation Project



Part of Linux Foundation

DIF is a Linux Foundation Project, a non-profit 501(c)(6)

IPR Protection

- Specifications created in DIF Working Groups are protected under W3C Patent Policy
- Software is protected under Apache License 2.0



Recent Activities

DIF Labs



- Proof of concepts, interoperability demonstrations, standards/protocol incubation
- Gearing up for soft launch, timed with hackathon

Work Items



- **Credential Schemas:** Reusable KYC, Age Verification, Proof of Personhood, and more. Mentioned in DI Gartner report
- **Linked Verifiable Presentations:** DID to entity discovery
- **DID Methods, DID Traits, DID:webvh**
- **ZKP Trust Models:** with Ethereum Foundation PSE

Infrastructure

- Universal Resolver & Universal Registrar
- Decentralized Web Node Community Instance

DIF Stacks



Recipes, profiles, design patterns, and code samples

Community & Outreach

- ☕ DIF Coffee Breaks
- 🎪 DIF Hack Alongs
- 📝 Research & Analyst Partnerships
 - [Personhood Credential collaboration with OpenAI, Microsoft, Harvard, and more](#)
- 🤝 Cross-organizational advocacy & leadership:
 - [DIDs in EU DI Wallet](#)
 - [DID Method Standardization LOI](#)

CAWG at DIF

DIF Working Groups



Claims and Credentials

Identity Schemas (KYC, Age Verification) to be launched June 2024. Presentation Exchange v2.1 release May 2024. Credential Trust Establishment reaching v1.



Identifiers and Discovery

Universal Resolver, Universal Registrar, Linked VP, did:dht (proposed)



Decentralized Web Nodes

DWN spec and companion guide under active development



Applied Cryptography

BBS+ matured and released through IETF. Ongoing incubation in the Applied Cryptography group



DIDComm

DIDComm v2 released with IETF. DIDComm user group launched, didcomm online developer tools and utilities launched



Veramo

DIF hosts the widely-used Veramo toolkit. The Veramo user group meets weekly at alternating EU/US-friendly timezones

Terms

IETF = Internet Engineering Task Force
BBS, BBS Signature Scheme, comes from the authors: Boneh, Boyen and Shacham

DWN = Decentralized Web Nodes, check out the AMA (March 2, 2023) by Daniel Buchner here: <https://www.youtube.com/watch?v=MNXowKcB73E>

CAWG Charter Documents

- CAWG Charter

- Scope (same)
- W3C Patent License (same as C2PA)
- Reference:
https://github.com/decentralized-identity/org/blob/main/Org%20documents/WG%20documents/DIF_CAWG_WG_charter_v1.pdf

- CAWG Operating Addendum

- Joint Participation
 - Trust Over IP (TOIP)
 - Creator Assertions Working Group (CAWG) signers
- Reference:
https://github.com/decentralized-identity/org/blob/main/Org%20documents/WG%20documents/DIF_CAWG_WG_Operating_Addendum_v1.pdf

Logistics and Next Steps

- Group
 - Calendar: <https://bit.ly/dif-group-cal>
 - Group chooses collaboration means: Slack
 - Zoom + recordings + Zoom AI Summary
 - Web site (soon)
 - Repos will be transferred
 - Select Co-Chairs
- Getting involved
 - DIF members: show up or join (<https://identity.foundation/join/>)
 - ToIP members or CAWG signatories:
<https://bit.ly/DIF-contributor>
- Questions? community@identity.foundation