



OpenWallet
FOUNDATION

1 Year of the OpenWallet Foundation

Achievements and Future Direction

March 14, 2024

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Code of Conduct

“Be excellent to each other.”

<https://events.linuxfoundation.org/about/code-of-conduct/>

Agenda

Welcome

Marie Austenaa, Visa
Daniel Goldscheider, Executive Director

Governmental Advisory Council

Ruth Puente, Senior Advisor - GAC Secretariat

Project Updates

Tracy Kuhrt, TAC Chair

OWF Community

Sean Bohan, Community Architect

Open Wallet Stack(s)

Brian Behlendorf, CTO

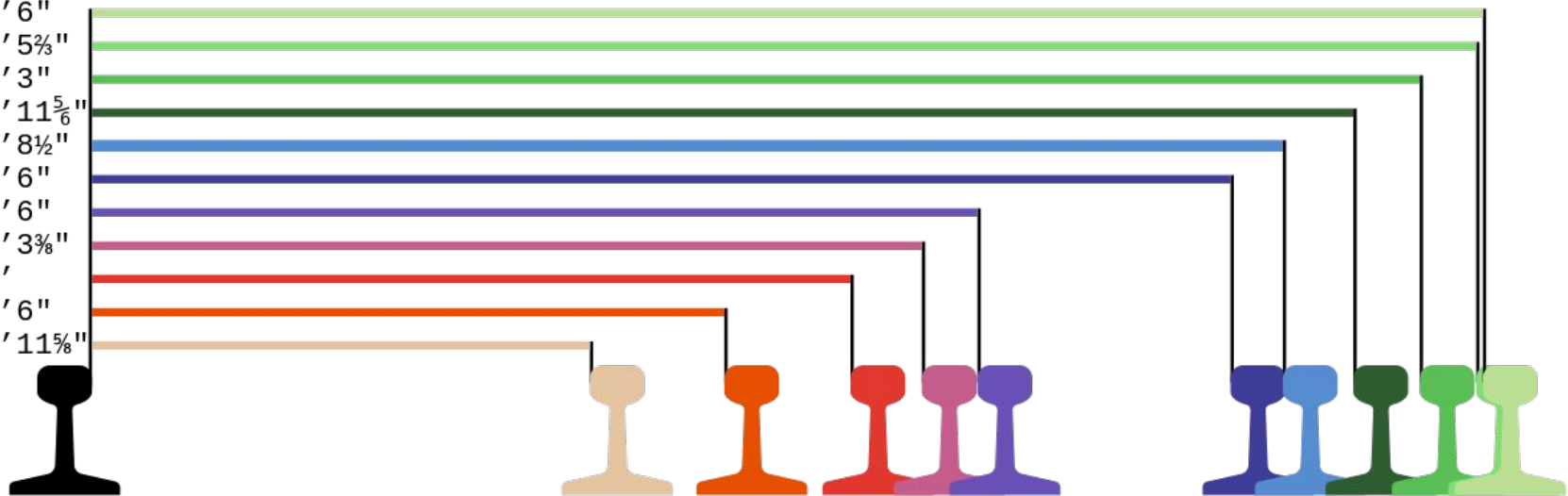
Thank You

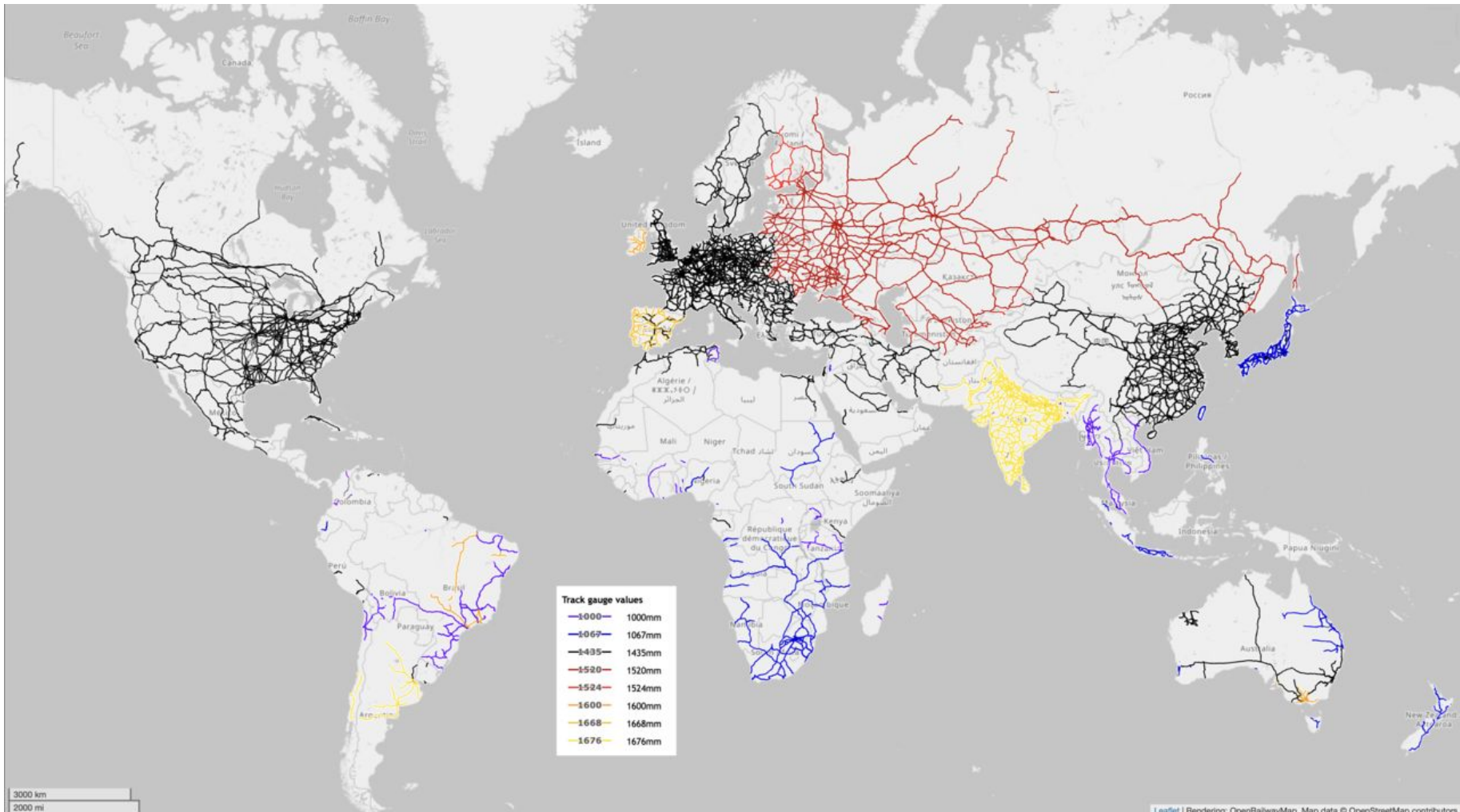
Daniel, Brian, Tracy

Welcome

Daniel Goldscheider, Executive Director

1676 mm 5' 6"
1668 mm 5' 5 $\frac{3}{8}$ "
1600 mm 5' 3"
1520 mm 4' 11 $\frac{5}{6}$ "
1435 mm 4' 8 $\frac{1}{2}$ "
1372 mm 4' 6"
1067 mm 3' 6"
1000 mm 3' 3 $\frac{3}{8}$ "
914 mm 3'
762 mm 2' 6"
600 mm 1' 11 $\frac{5}{8}$ "





Track gauge values

1000mm	1000mm
1067mm	1067mm
1435mm	1435mm
1520mm	1520mm
1524mm	1524mm
1600mm	1600mm
1668mm	1668mm
1676mm	1676mm

3000 km
2000 mi



Governmental Advisory Council

Ruth Puente, Senior Advisor - GAC Secretariat

Governmental Advisory Council

It was formally established in November 2023 to represent the voice of governments and intergovernmental organizations.

Key roles: Advise the Governing Board on various public policy issues that may impact the future of digital wallets and operate as a discussion forum.

Participants:

- **Governments** Argentina, Bhutan, China, Ireland, Italy, Mexico, Papua New Guinea, Portugal, Sweden, Switzerland, United Kingdom, United States. More than a dozen are in the pipeline.
- **Observers:** World Bank Group & AAMVA.

<https://openwallet.foundation/government-advisory-council/>

Governmental Advisory Council

Leadership Team: Chair UK, and Vice-Chairs Sweden & Argentina.

Cross-constituency collaboration: Inward and Outward Liaisons.

Current work:

- GAC Participants share their jurisdictions' regulations, policies, implementations, and initiatives across jurisdictions and cross-border collaboration work to advance interoperability in the global digital economy.
- Providing Inputs: e.g., Safe Wallet Guide and OWF Principles.

Contact GAC Secretariat at: GAC@openwallet.foundation

Project Updates

Tracy Kuhrt, TAC Chair

2023 Technical Advisory Council Accomplishments

Governance

- [Roles and Responsibilities](#)
- [TAC Alternate Policy](#)
- [Elections](#)
- [Project Lifecycle](#)
- [Special Interest Groups](#)
- [Task Forces](#)
- [Project Annual Review Process](#)
- [Common Repository Structure](#)
- [MAINTAINERS.md File Contents](#)
- [Maintainer Inactivity](#)
- [Security Policy](#)
- [Release Taxonomy](#)
- [Archiving Inactive Repositories](#)

Projects

Approved

- [sd-jwt-kotlin](#) (lab)
- [sd-jwt-python](#) (lab)
- [Farmworker Wallet OS](#) (lab)
- [VC-API](#) (lab)
- [Wallet Framework .NET](#) (lab)
- [Identity Credential](#) (lab)
- [sd-jwt-js](#) (lab)
- [sd-jwt-rust](#) (lab)
- [sd-jwt-dotnet](#) (lab)
- [Agent Framework Javascript](#) (growth)

Community Meetings

- [Architecture SIG](#)
- [Credential Format Comparison SIG](#)
- [Digital Wallet and Agent Overviews SIG](#)
- [Safe Wallet SIG](#)
- [OID4VC Due Diligence Task Force](#)
- [Technical Advisory Council](#)

[Community Calendar](#)

TAC Website (<https://tac.openwallet.foundation/>)

The screenshot shows the homepage of the OpenWallet Foundation's Technical Advisory Council (TAC) website. The page has a dark blue header with the OpenWallet Foundation logo, the title "Technical Advisory Council", a search bar, and a GitHub repository link for "openwallet-foundation/tac". Below the header is a navigation menu with links for Home, Governing Documents, Meetings, Projects, Special Interest Groups, and Task Forces. The main content area features a "Home" heading and a welcome message. Below the message are six cards, each with an icon and a title, providing links to various TAC resources: "What is the TAC", "Governing Documents", "TAC Meetings", "Projects", "Special Interest Groups", and "Task Forces".

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Technical Advisory Council

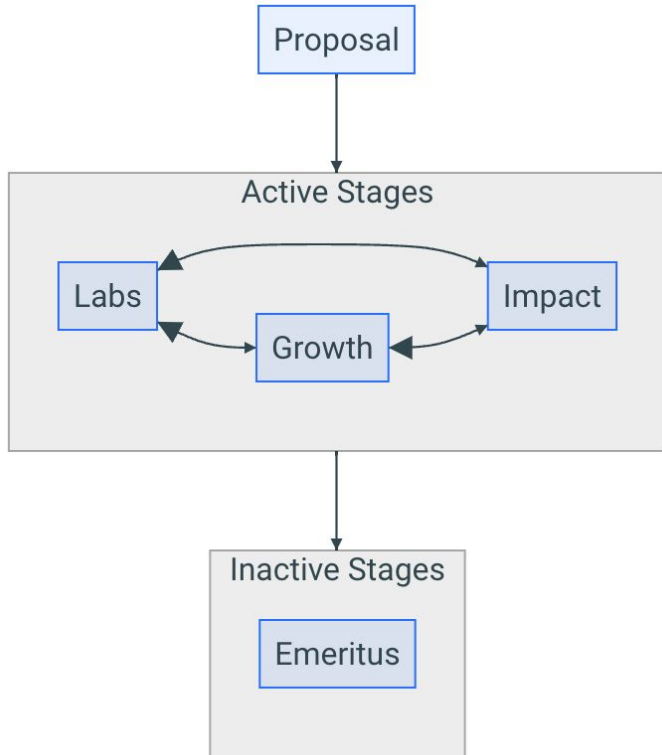
Home Governing Documents Meetings Projects Special Interest Groups Task Forces

Home

Welcome to the OpenWallet Foundation's (OWF) Technical Advisory Council (TAC) website. Here you will find:

- What is the TAC**
Learn more about the Technical Advisory Council's role, responsibilities, and voting members
- Governing Documents**
Review the OpenWallet Foundation TAC Governing Documents
- TAC Meetings**
See meeting invite details and meeting notes from past meetings
- Projects**
Explore the OpenWallet Foundation Projects
- Special Interest Groups**
Join an OpenWallet Foundation Special Interest Groups (SIGs)
- Task Forces**
Work on an OpenWallet Foundation Task Forces

Project Lifecycle



- **Proposal:** projects are proposed to and must be accepted by the technical advisory council (TAC).
- **Labs:** projects which the TAC believes are, or have the potential to be, important to the OWF ecosystem. Examples: early or experimental code or those looking to foster collaborative development within the OWF community.
- **Growth:** projects that are interested in reaching the Impact Stage, and have identified a growth plan for doing so.
- **Impact:** projects that have reached their growth goals and are now on a sustaining cycle of development, maintenance, and long-term support.
- **Emeritus:** projects which the maintainers feel have reached or are nearing end-of-life.

Growth Projects

Project Name	Stage	Approval Date	Short Description
Credo	Growth	Nov 29, 2023	Previously known as Hyperledger Aries Framework Javascript, it initially heavily relied on Hyperledger standards such as DIDComm, Indy, and AnonCreds. However, with advancements in verifiable credential technology and the emergence of new standards, the framework underwent multiple refactoring and modularization processes to maintain interoperability.
Bifold	Growth	Feb 21, 2024	Previously known as Hyperledger Aries Bifold, a React Native project designed to enhance the way we interact with digital identities and on making verifiable credentials (VCs) simple and convenient for everyone.

Labs

Project Name	Stage	Approval Date	Short Description
SD-JWT Python	Labs	May 27, 2023	A Python implementation of the Selective Disclosure for JWTs (SD-JWT) specification.
SD-JWT Kotlin	Labs	May 27, 2023	A Kotlin implementation of the Selective Disclosure for JWTs (SD-JWT) specification.
Farmworker Wallet OS	Labs	Aug 9, 2023	Low code components for the Mendix platform that can be used to create digital wallets.
VC-API	Labs	Sep 28, 2023	An implementation of the VC API draft standard in REST that includes operations such as credential issuance, verification, and exchange.
Wallet Framework .NET	Labs	Oct 4, 2023	Multiprotocol wallet framework enabling implementations of OpenID4VC and SD-JWT VC, in accordance to the European Identity Wallet initiative's objectives.
Android Identity Library	Labs	Oct 18, 2023	Android libraries and reference applications for working with real-world identity.
SD-JWT JavaScript	Labs	Nov 1, 2023	A JavaScript implementation of the Selective Disclosure for JWTs (SD-JWT) specification.
SD-JWT Rust	Labs	Nov 15, 2023	A Rust implementation of the Selective Disclosure for JWTs (SD-JWT) specification.
SD-JWT .NET	Labs	Nov 29, 2023	A .NET implementation of the Selective Disclosure for JWTs (SD-JWT) specification.
Multiformat VC for iOS	Labs	Jan 24, 2024	Pure Swift package for creating Verifiable Credentials (VCs) in multiple formats (SD-JWT and VC JWT)

OWF Community

Sean Bohan, Community Architect

Community Meetings

A special interest group (SIG) under the Technical Advisory Council (TAC) is a group with a shared interest in advancing a specific area of knowledge, learning, or technology related to the mission of the OpenWallet Foundation where members cooperate to affect or to produce solutions within their particular field.

A task force is a group that is focused on a task with limited scope and fixed time to complete. A task force will have a specific set of deliverables or work products that it will create and be limited in time to completion.

Community Meetings

Name	Type	Approval Date	Short Description
Architecture	SIG	Apr 05, 2023	Focused on conversations related to the architecture of digital wallet engines.
Credential Format Comparison	SIG	May 31, 2023	Maintain information about available credential formats for the benefit of OWF projects and the wider community.
Digital Wallets and Agents Overviews	SIG	Sep 20, 2023	Further develop and maintain the Digital Wallet Overview and create a similar overview for digital identity agents/SDKs. These overviews should provide transparency of the characteristics of wallets and agents in order to allow for comparison and effective decision making on which wallet is applicable for your use case.
Safe Wallet	SIG	Sep 20, 2023	Create, distribute and promote a set of material that will become the de-facto way to determine how "safe" the new breed of digital wallets is, and be able to compare them effectively. This will increase the visibility of the solutions to correlation and profiling issues that could be introduced with digital wallet deployments.
OID4VC Due Diligence	Task Force	May 31, 2023	Investigate the specifications belonging to the OID4VC family thoroughly, check the existing implementations, and start the preliminary work for potentially creating/hosting a reference implementation or a framework that can be used by a wider community for application implementations

Community Links

Architecture SIG

Whitepaper

<https://docs.google.com/document/d/1S8pHaCG4nAAOwg9nGx5lUhfAU7HTYyRBzr3D1s98i2w/edit#heading=h.3hgik5oh2g8v>

Safe Wallet SIG

Safe Wallet Guide

<https://docs.google.com/document/d/1jrxQ2ASDeSt3ZQgmRG4i1gGj5bLPluNE/edit#heading=h.1hzikpc4xyvt>

Safe Wallet Scoring Template

<https://docs.google.com/spreadsheets/d/1NEougp7utbgYAIQJlfoSUGkFwuID22OUZMOFKCyoyY/edit#gid=338543160>

Credential Format Comparison SIG

GitHub:

<https://github.com/openwallet-foundation/credential-format-comparison-sig>

Digital Wallets and Agents SIG

GitHub

<https://github.com/openwallet-foundation/digital-wallet-and-agent-overviews-sig?tab=readme-ov-file>

Quarterly Update to TAC

https://docs.google.com/presentation/d/19jO1Mi4-7d8-XdijuGsEjuiwH6KCb5We9S99tjYgSmQ/edit#slide=id.g2bb16aab7d_o_151

OIDC4VC Due Diligence

GitHub

<https://github.com/openwallet-foundation/OID4VC-due-diligence-tf>

Get Involved



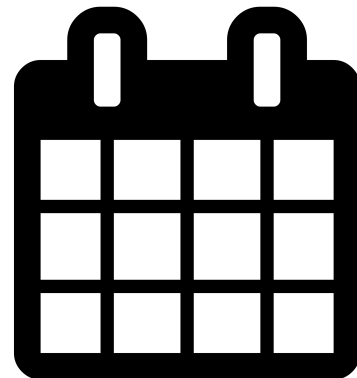
[Mailing Lists](#)



[Discord](#)



[GitHub](#)
[GitHub \(labs\)](#)



[Community](#)
[Calendar](#)

Credential Formats Comparison SIG

Mirko Mollik, Phd candidate at Fraunhofer



OpenWallet - EUDI Workshop



Monday March 18th

8amPT, 11amET, 4pmCET

[Registration Link](#)

The OpenWallet Stack(s)

Brian Behlendorf, CTO

OpenWallet Stack(s) - Why?

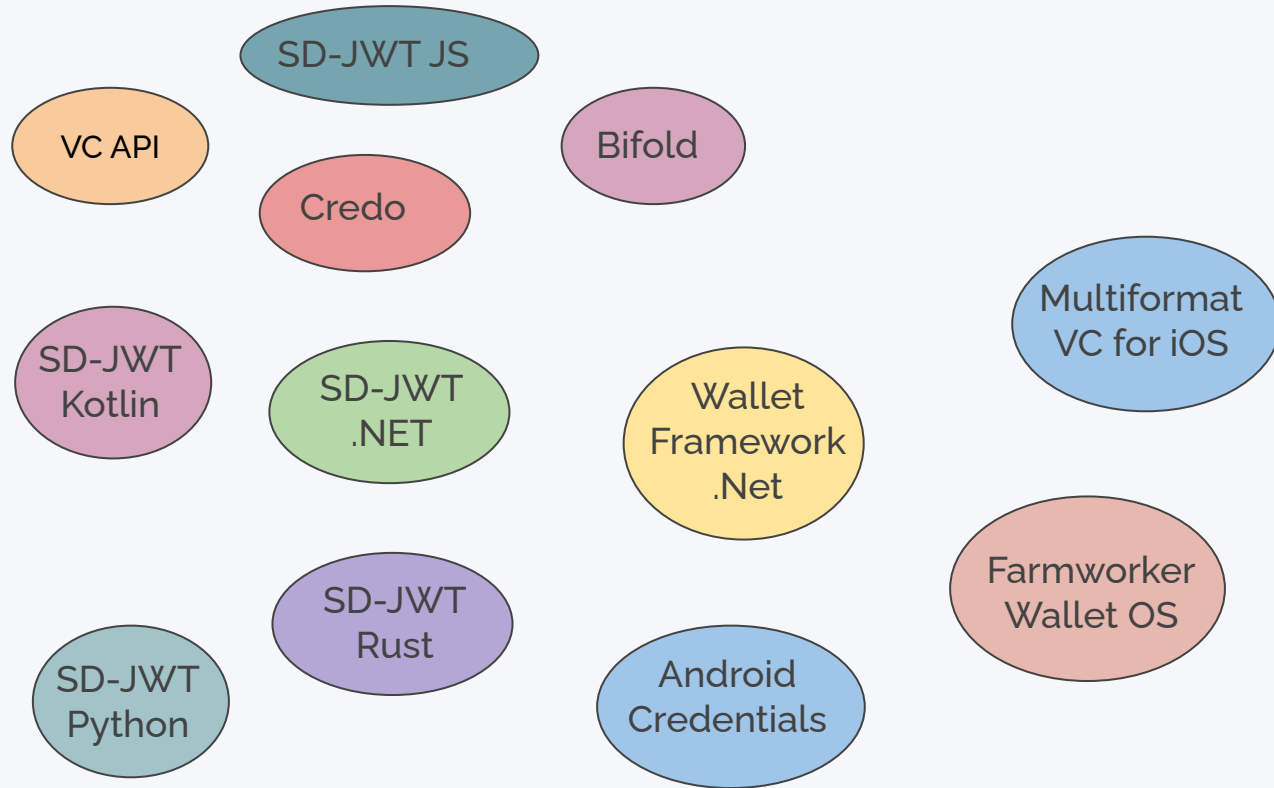
We have assembled a great collection of libraries, frameworks, protocol handlers and credential format parsers. But **writing a full end-user wallet is still too darn hard.**

As an open source project, we aim to be **upstream** of the last-mile deployment to end users - to allow for wallet differentiation, while working towards **maximizing interoperability and ease of development.**

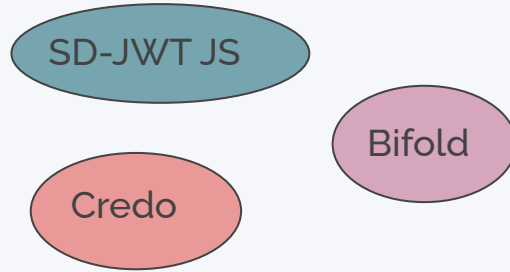
There will be more than one wallet on any device - but we want general-purpose wallets, whose assets are **interchangeable**, to avoid lock-in and to emphasize **user agency and choice.**

What can we learn from other open source projects that have balanced these needs? The browser community, e.g. with Chromium? The Linux distribution market, the way many distributions build on Debian? Thinking along these lines, and discussions among our community, have led us to the following model.

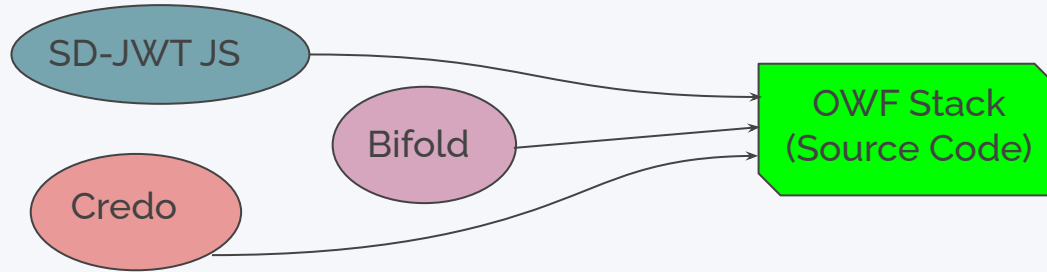
Good Things Come In Stacks



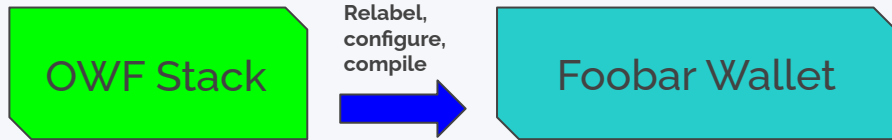
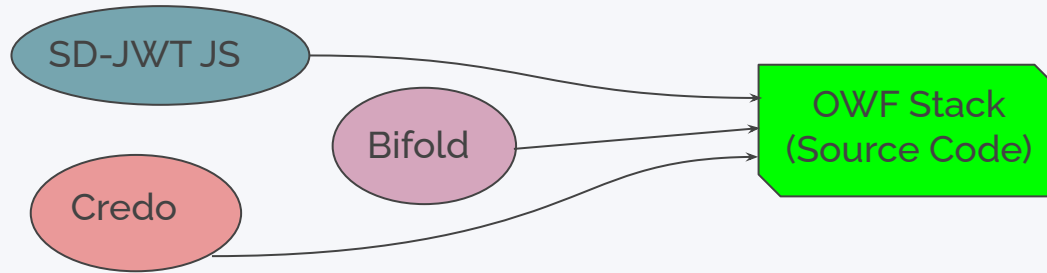
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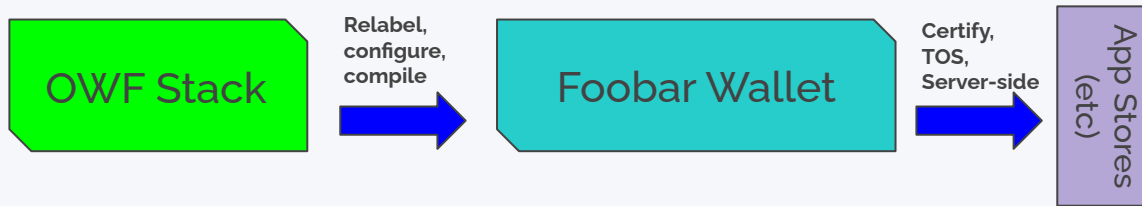
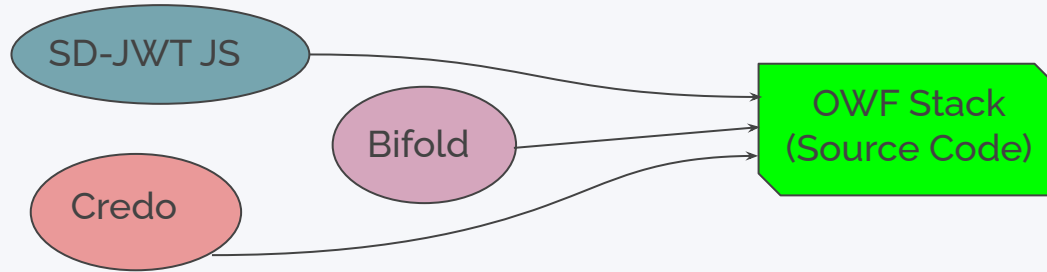
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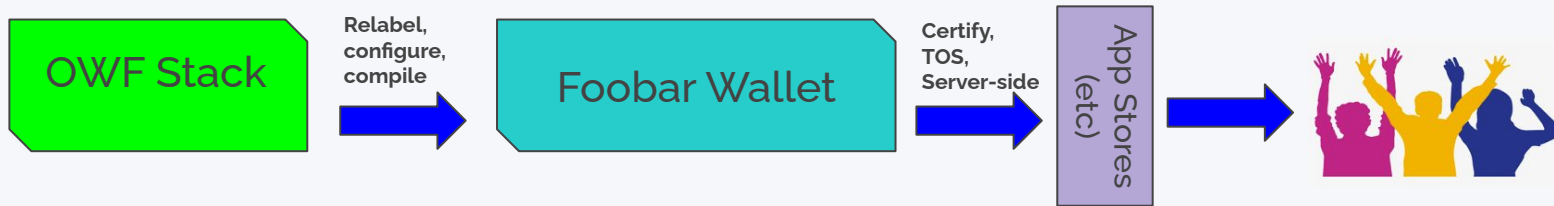
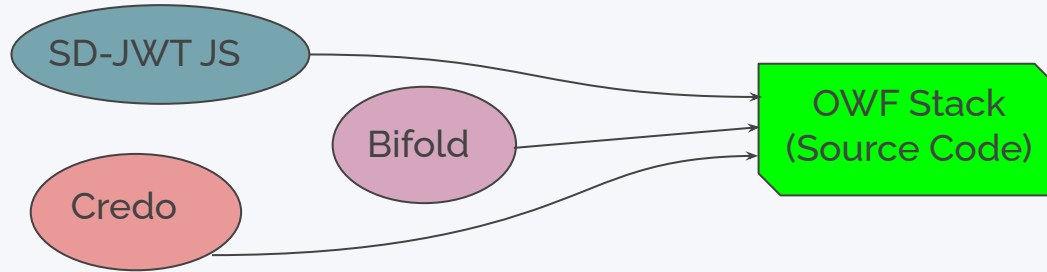
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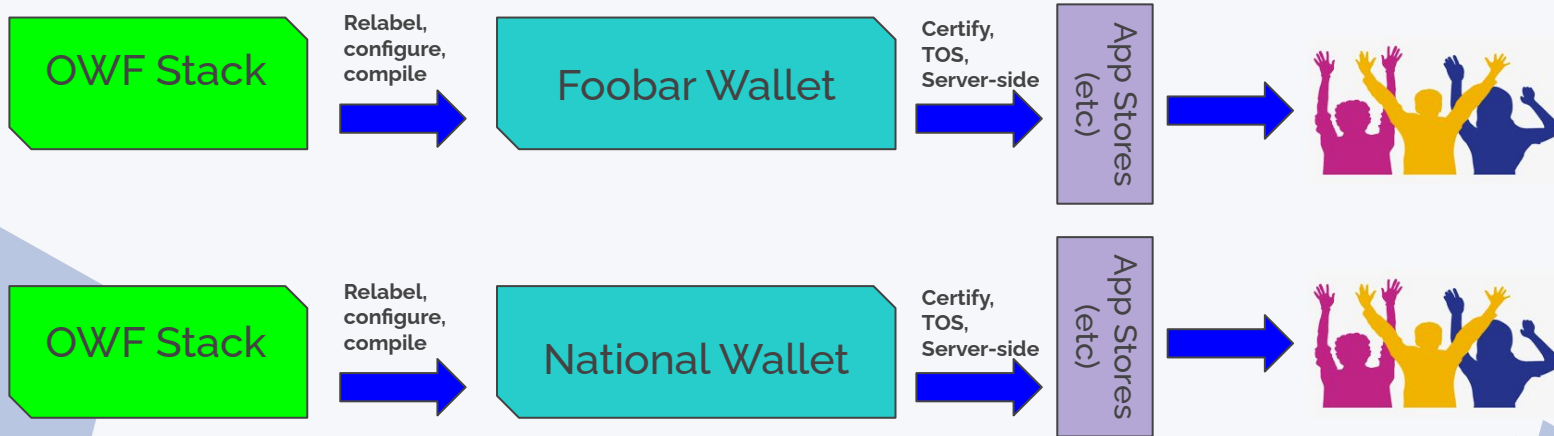
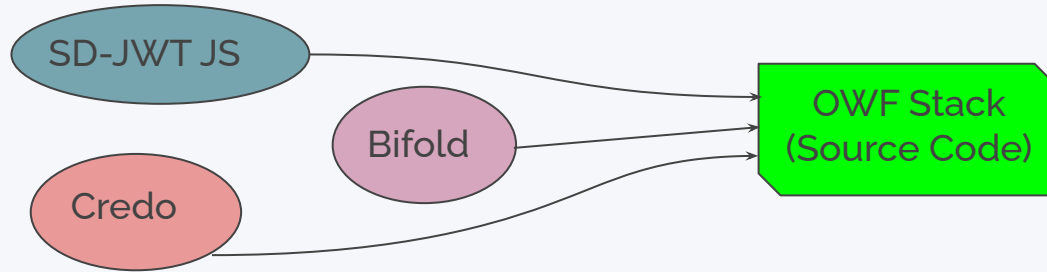
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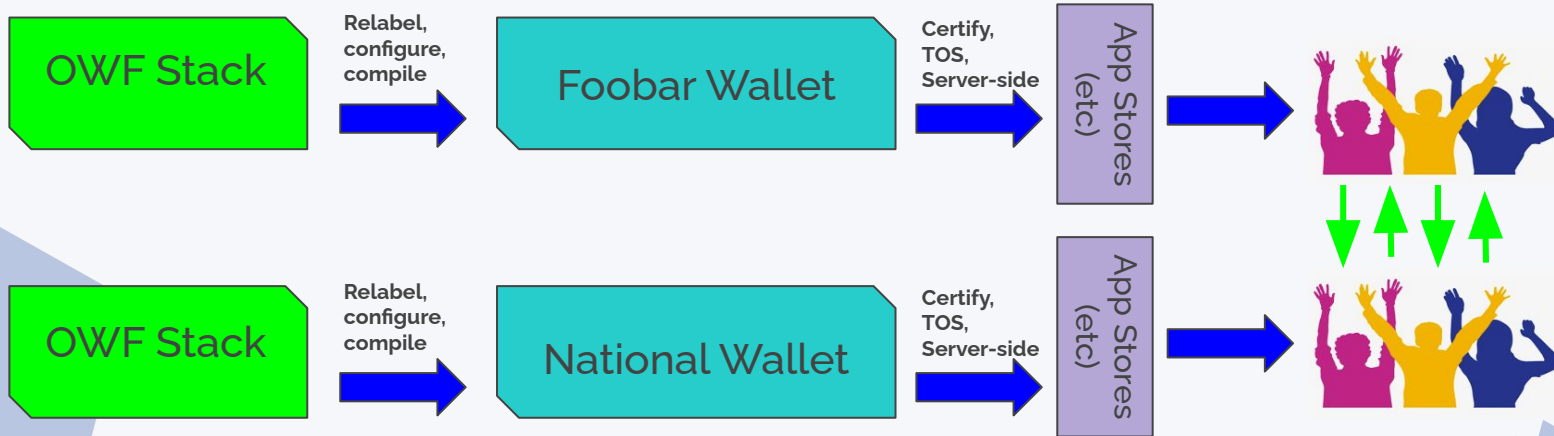
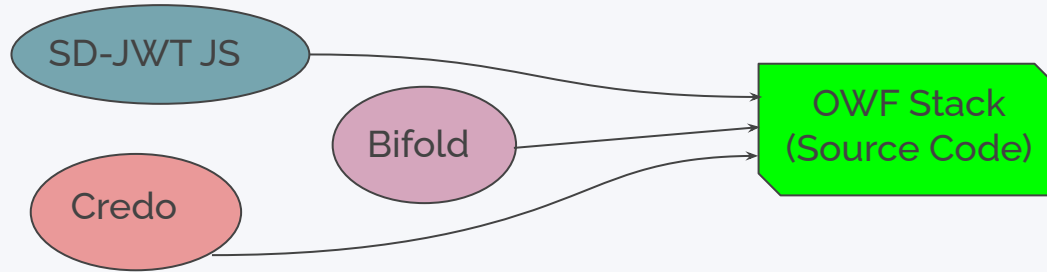
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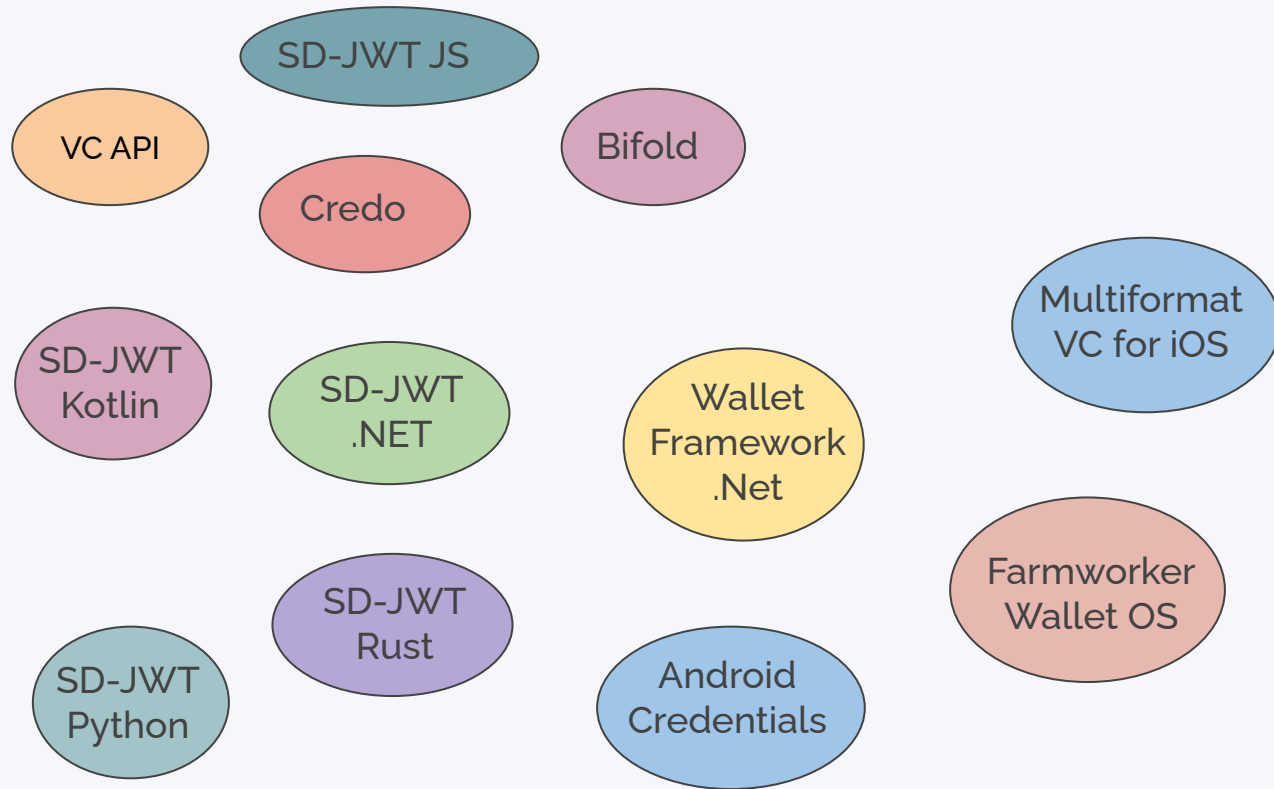
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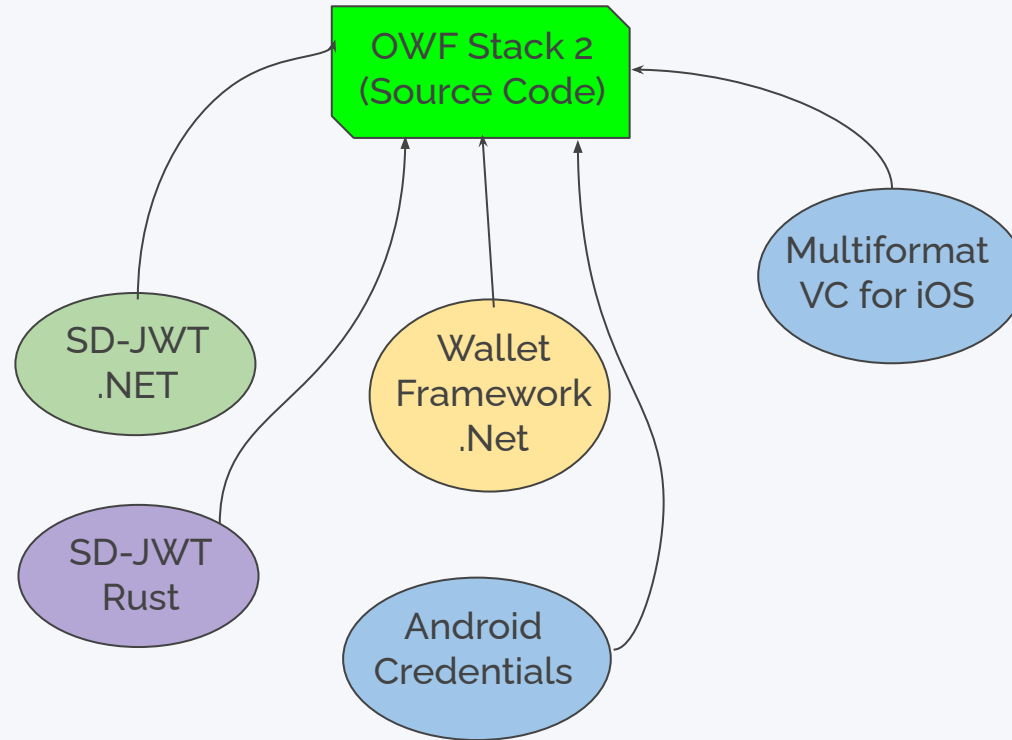
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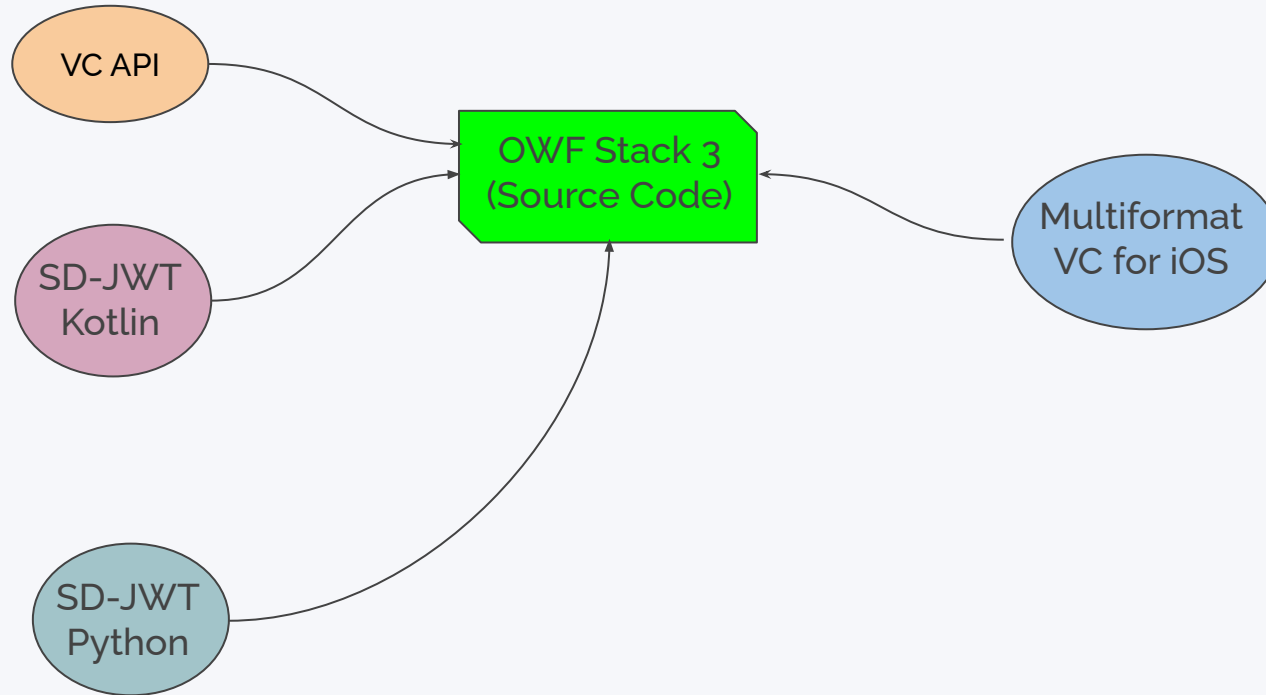
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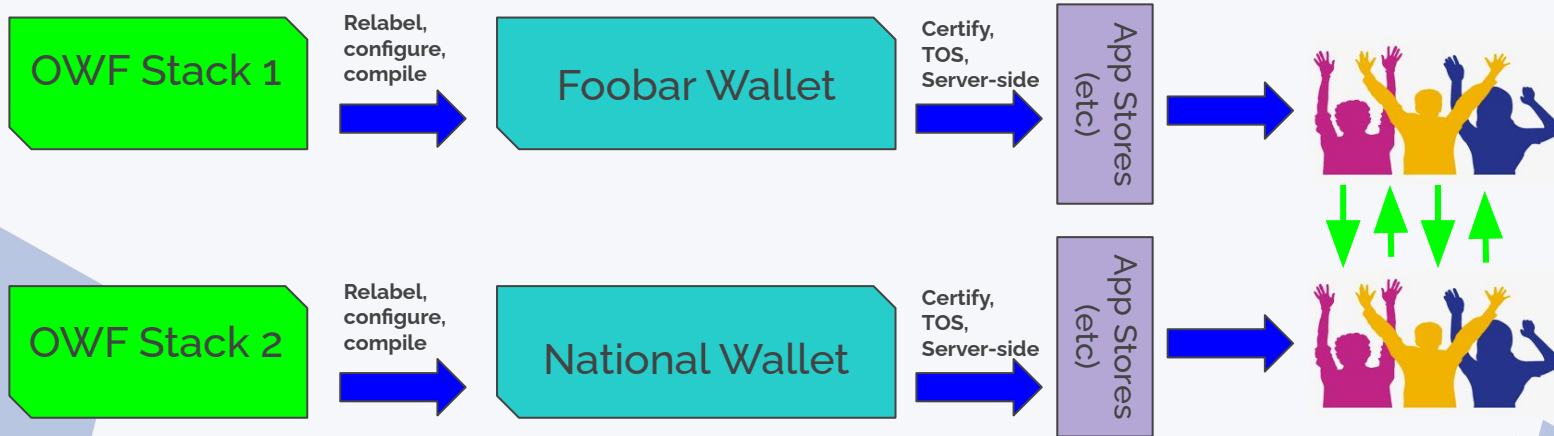
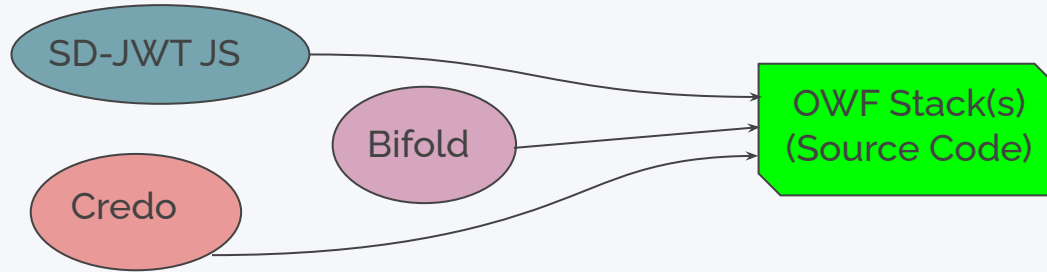
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Thank You!