InterAleoable

Increasing wallet interoperability through ARC-1193

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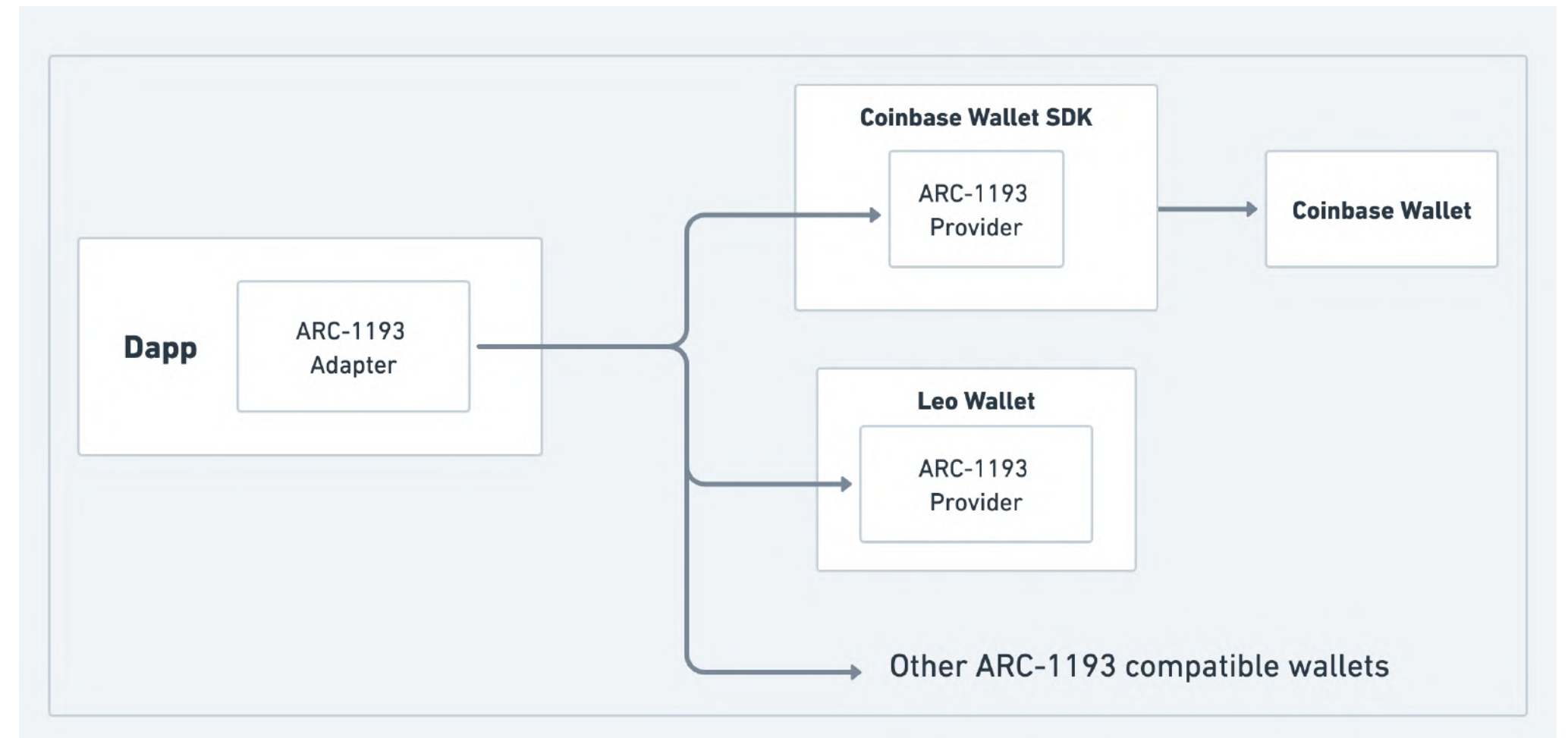
Pitch

Problem

- Currently, there is **no standard way** for Dapps to communicate with Wallet apps

- Dapps **need to create multiple adapters** to communicate with different Wallet apps

- Will get **exponentially worse** as the number of Dapps and Wallets increase

*We pivoted from the Coinbase wallet extension project because the code was closed source

Pitch

Solution: ARC-1193

Create a standard for communicating between wallets and dapps

- Define a standard for a set of APIs that wallets must expose to a dapp via a Javascript object.
- Reduces work for Dapps: can create a single adapter to communicate with all wallets that implement ARC-1193

Technical Overview

1 API (RPC-JSON call)

request({method: string, params: object})

- A general-purpose method that supports all types of requests
  - e.g) request({method: "aleo_latestBlock", params: []})
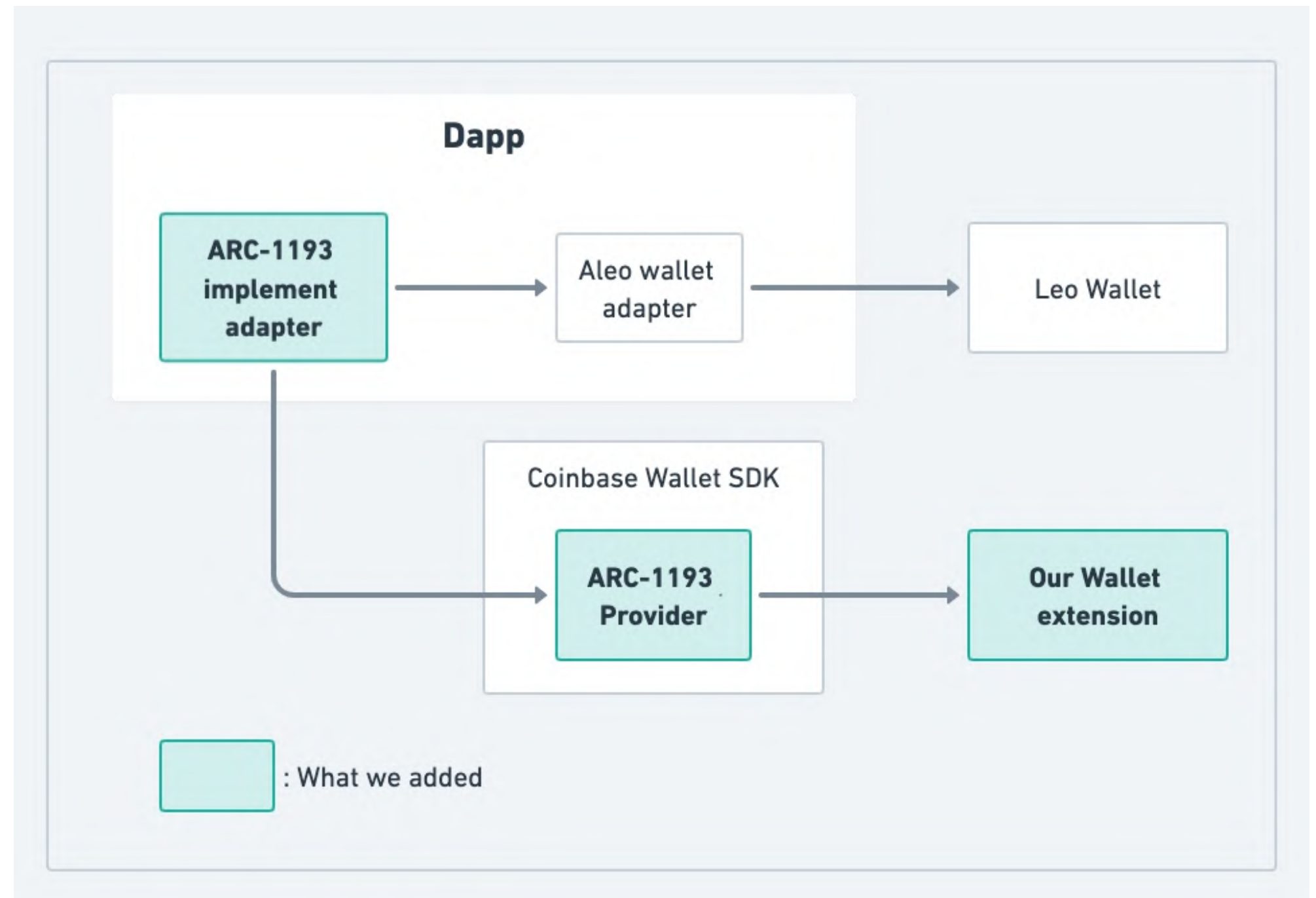- Can easily be extended to support new requests

4 Events

1. connect
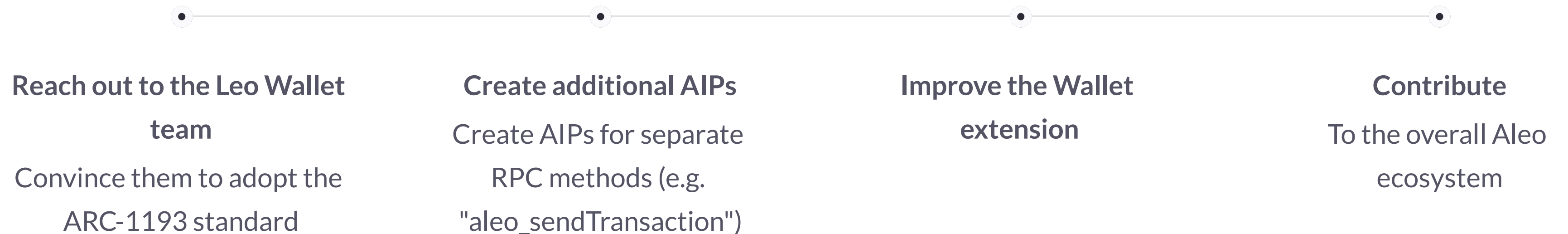2. disconnect
3. accountsChanged
4. message

Demo

A single adapter connecting to
two wallets

Link to demo video

https://user-
images.githubusercontent.com/
4685781/211352774-
2625e0dd-867e-4536-b56c-
28eb24308876.mov

Future Plans

Reach out to the Leo Wallet team

Convince them to adopt the ARC-1193 standard

Create additional AIPs

Create AIPs for separate RPC methods (e.g. "aleo_sendTransaction")

Improve the Wallet extension

Contribute

To the overall Aleo ecosystem

Thank you!

ARC-1193 pull request: https://github.com/AleoHQ/ARCs/pull/31

ARC-1193 discussion: https://github.com/AleoHQ/ARCs/discussions/30

Demo: https://github.com/seungjulee/aleo-provider-arc1193