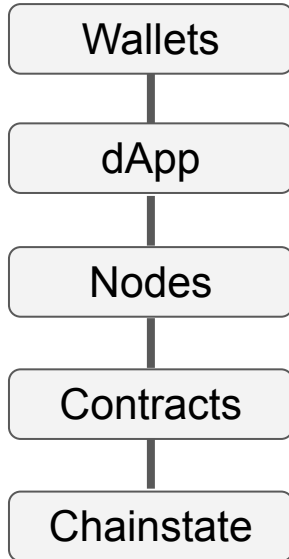




From CAIPs to Namespaces (&back)

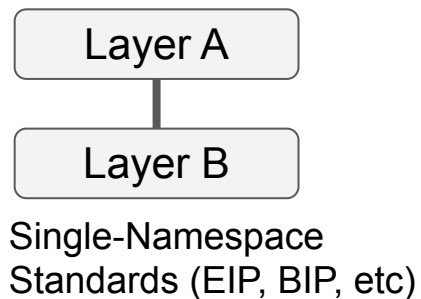
CASA Gathering, 25Apr 2022

CASA Basics: The Layering Model



- Protocols between adjacent layers
- Multi-layer abstractions like tokens, transactions, and signature
- There's lots of assumptions built into this! And that's OK

CASA Basics: Cross-Chain-ifying the Layering Model



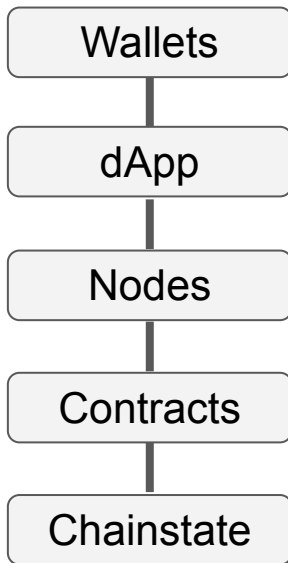
Interface CAIPs

The text 'Interface CAIPs' is centered below the diagram, with two dashed arrows pointing outwards from it.

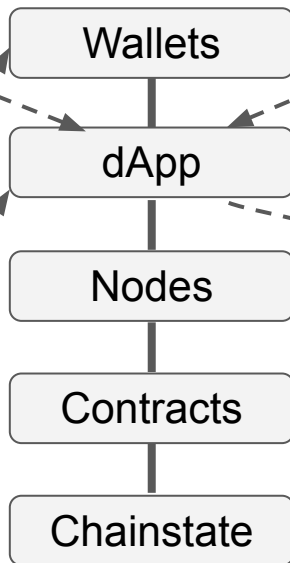
Abstraction CAIPs

The text 'Abstraction CAIPs' is located at the bottom left, with a dashed arrow pointing upwards and to the right towards the layering model.

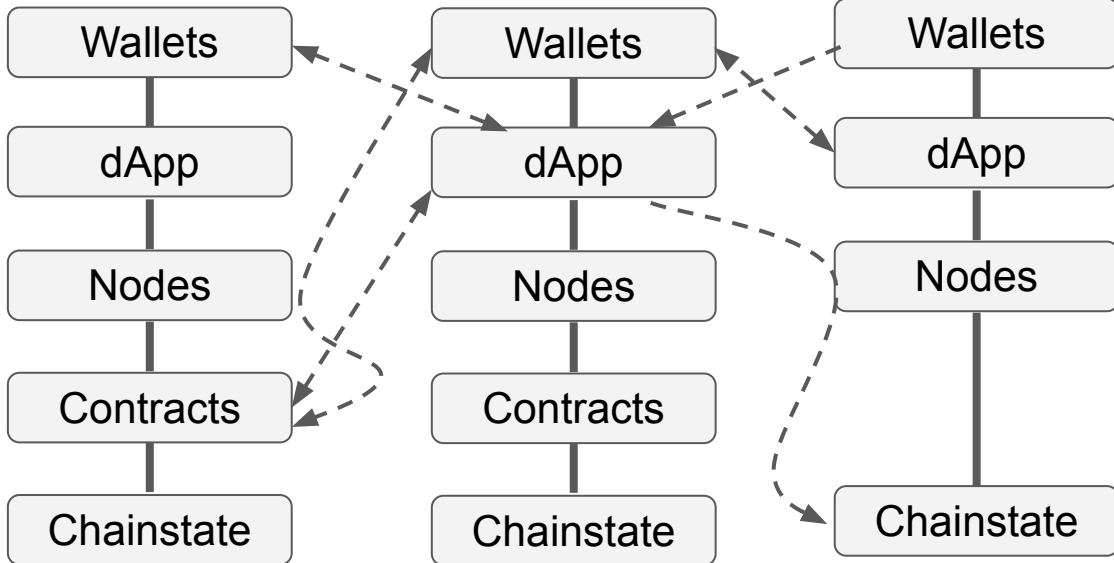
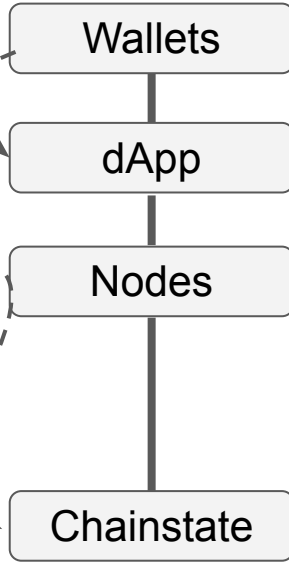
Ecosystem-bound Stack #1 (Alice)



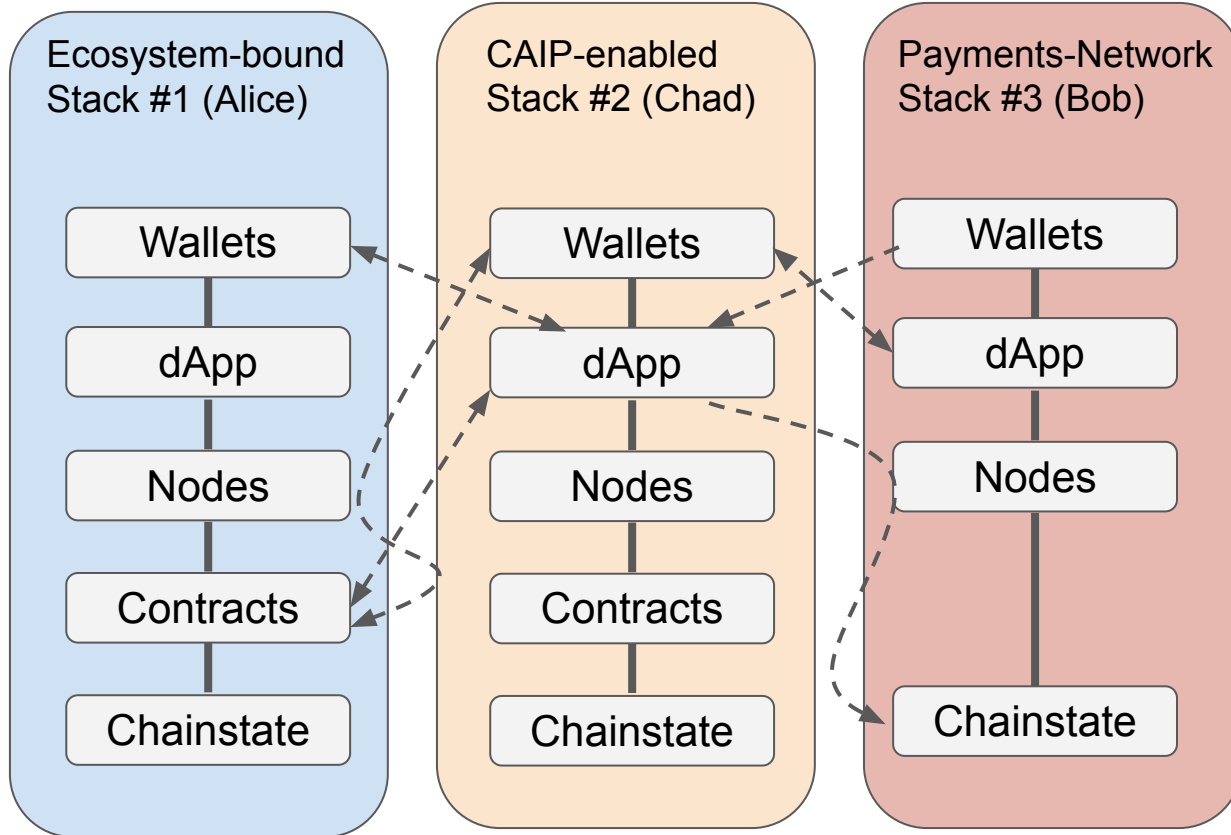
CAIP-enabled Stack #2 (Chad)



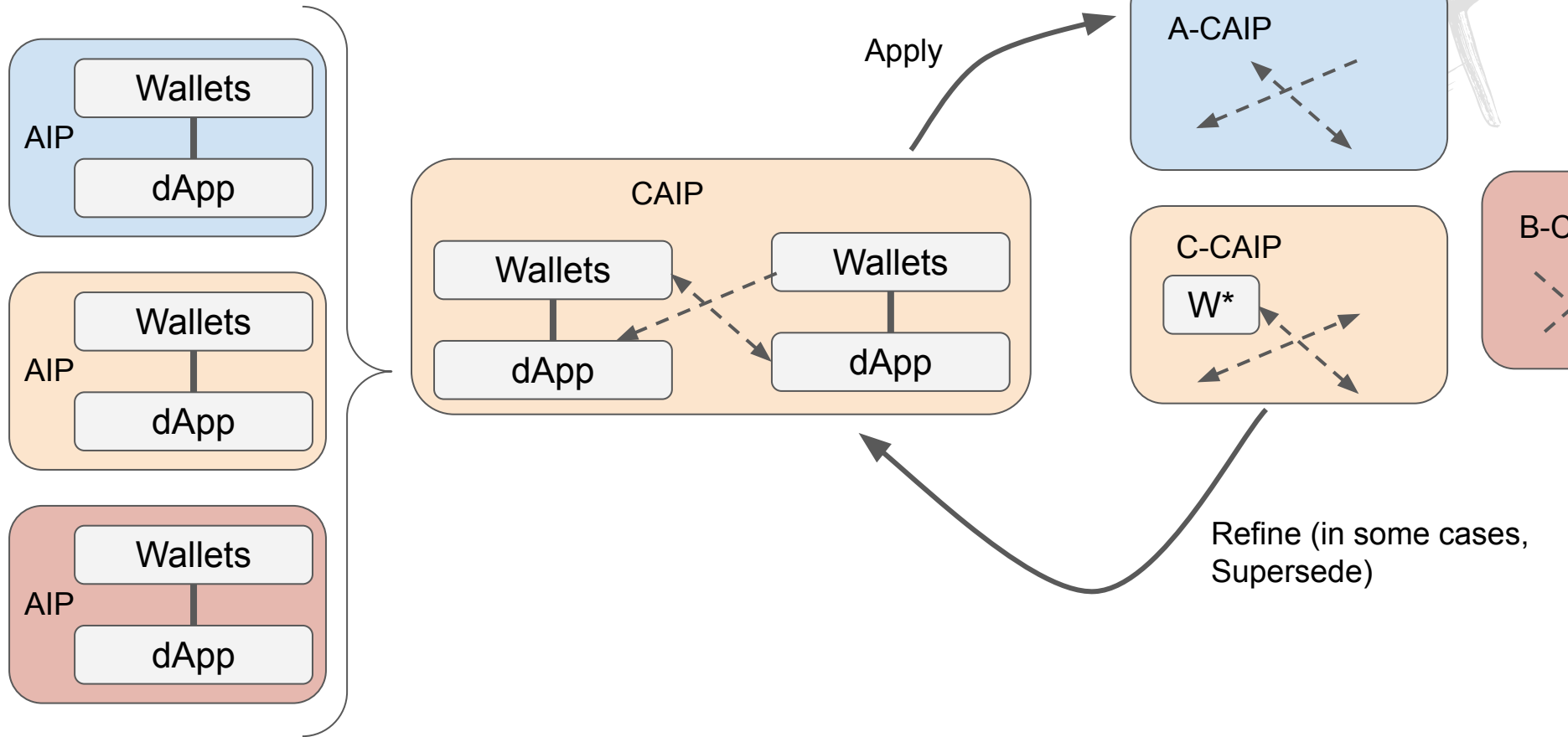
Payments-Network Stack #3 (Bob)



Namespaces: Alice and Bob are different from Chad



CAIP \longleftrightarrow Namespaces as a Life Cycle



Early Days - PRs and Reviews welcome



CAIPs	EIP155 (EVM)	Polkadot	Cosmos	Hedera	Solana	Tezos	EOSIO
2 ChainID	X	/	/	/	X	/	/
10 Addresses	X	/*	/	/			
20+21 Assets	X			/			

CAIPs Written but not yet applied to the above:

- JSON Rpc
- CACAOs (Authorization receipts)
- EIP1155
- Provider request/Handshake

Topics that need to get CAIPed

- Bridges
- Wrapped assets and asset abstractions
- Oracles, Subgraphs, & Indexing
- Refunging and multi-asset txns
- Further Authorization topics (hashlinking, etc)
- L2/L1 issues