# fission

# *Technical Roadmap*

December 2020

What Exists Today
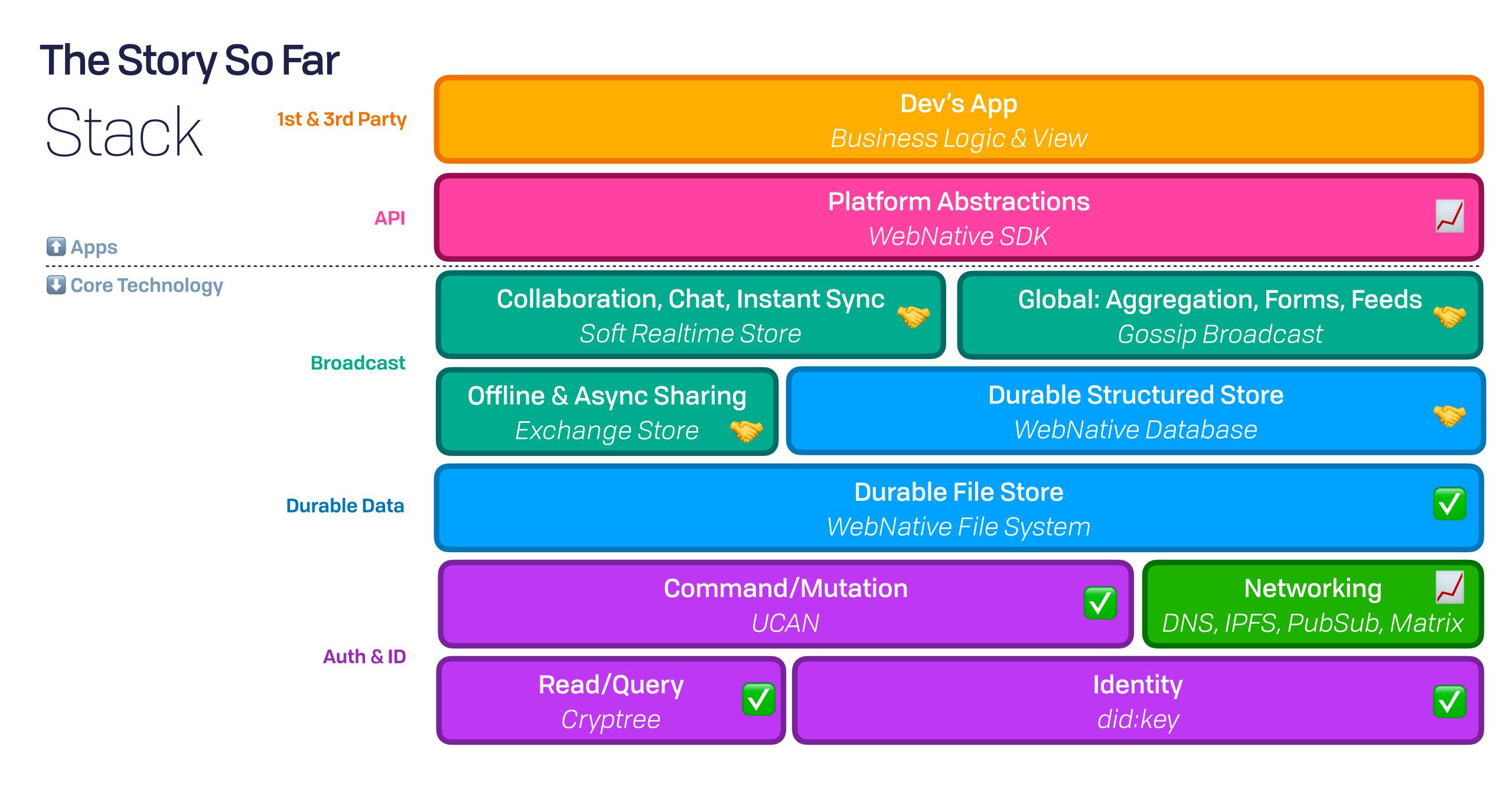# The Story So Far
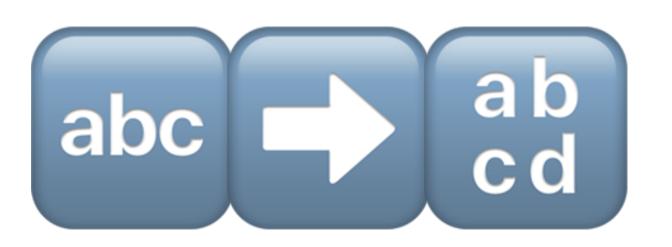
🐰 📚 🦊

**The Story So Far**
# Lots to Celebrate 🥳

- Web app publishing platform
  - "Wow that was fast" 🚀
  - No step 2
- User-controlled ID
- Passwordless login
- UCAN
  - Serverless authorization
  - User controlled
  - Extensible
  - Adoption outside of Fission 🙌
- Fission Drive (Finder / File Explorer)

- WebNative File System (WNFS) 💾
  - Works offline
  - Public & private files
  - Metadata
  - Encryption at rest(!)
  - User owned data
  - Versioned, immutable, time travel ⏮️
    - i.e. Time Machine for web data
  - Carry data between apps
  - From small files to large data archives
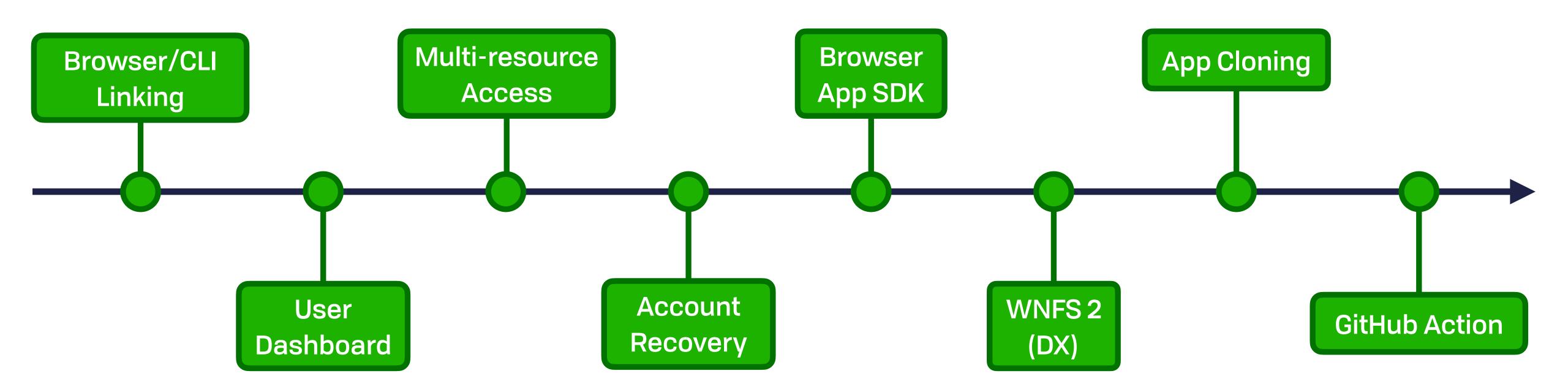- Vanilla browser, no plugins

# The Story So Far
# Stack

**1st & 3rd Party**

**Dev's App**
*Business Logic & View*

**API**

**Platform Abstractions**
*WebNative SDK* 📈

⬆️ **Apps**
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
⬇️ **Core Technology**

**Collaboration, Chat, Instant Sync**
*Soft Realtime Store* 🤝

**Global: Aggregation, Forms, Feeds**
*Gossip Broadcast* 🤝

**Broadcast**

**Offline & Async Sharing**
*Exchange Store* 🤝

**Durable Structured Store**
*WebNative Database* 🤝

**Durable Data**

**Durable File Store**
*WebNative File System* ✅

**Command/Mutation**
*UCAN* ✅

**Networking**
*DNS, IPFS, PubSub, Matrix* 📈

**Auth & ID**

**Read/Query** ✅
*Cryptree*

**Identity**
*did:key* ✅

# Order of Operations
# *What's Next?*

# Technical Roadmap
## *Near Term*

Browser/CLI Linking

Multi-resource Access

Browser App SDK

App Cloning

User Dashboard

Account Recovery

WNFS 2 (DX)

GitHub Action

# Technical Roadmap
## *Medium Term*

Branded Logins

Async Sharing

Auth Revocation

OAuth Bridge

WNDB

Webhook Support

App Source Store

# Technical Roadmap
## *Long Term*

Aggregated data feeds: marketplaces & firehoses

Teams / Organizations

Global Aggregation

Realtime Sessions

Offline Compute

Chat, instant data updates, collaborative docs

# fission

## *Technical Roadmap*

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