



Developer Tools

CLI

Fission Command Line

- Available on macOS (homebrew), Linux and Windows *WSL
- Register your account
- Register (create) apps
- Publish your app

Demo

Webnative SDK

Authentication & Authorization

```
const state = await wn.initialise({
  permissions: {
    app: {
      name: "Demo",
      creator: "Fission"
    },

    // Ask the user permission for additional filesystem paths
    fs: {
      privatePaths: [ "Music" ],
      publicPaths: [ "Mixtapes" ]
    }
  }
})

switch (state.scenario) {
  case wn.Scenario.AuthSucceeded:
  case wn.Scenario.Continuation:
    // We can now interact with our file system (more on that later)
    state.fs
    break;

  case wn.Scenario.NotAuthorised:
    wn.redirectToLobby(state.permissions)
    break;
}
```

Authentication & Authorization

- User controlled
- Password-less, key based login
- Works offline

File System

```
const fs = state.fs
const appPath = fs.appPath()

// List the user's private files that belong to this app
if (await fs.exists(appPath)) {
  await fs.ls(appPath)

// The user is new to the app, lets create the app-data directory.
} else {
  await fs.mkdir(appPath)
  await fs.publish()

}

// Create a sub directory
await fs.mkdir(fs.appPath([ "Sub Directory" ]))
await fs.publish()
```

File System

It's versioned!

```
const file = await fs.get("private/Blog Posts/article.md")

file.history.list()
// { delta: -1, timestamp: 1606236743 }
// { delta: -2, timestamp: 1606236532 }

// Get the previous version
file.history.back()


// Go back two versions
const delta = -2
file.history.back(delta)

// Get the first version (ie. delta -2)
// by providing a timestamp
file.history.prior(1606236743)
```


File System


- UNIX-like api (ls, mv, mkdir, etc)
- Version history
- Private files are encrypted
- Available offline

Database (coming ... soon)

- EventSource based distributed DB
- Document based API (think MongoDB / mongoose)
- Schema/Model definitions
-  Ship your mocks

Learn More

 Visit the guide: <https://guide.fission.codes/>

 Chat with us on Discord: <https://discord.gg/daDMAjE>

 Book time to talk: <https://calendly.com/fission>