xByte

x402 Hackathon

xByte infra.

Facilitates "Pay-per-Byte" x402 payments.

- Content agnostic *(Movie, Music, File, Live-stream, etc.)*

  - Pay $0.001 *USDC/megabyte* of a movie.

- Integrate xByte-SDK *(Typescript)* and go!

Description*<P,D>*

As a *<P>*, I want to *<D>*

- As a **Platform**
    - Reach *"pay for what you consume"*
    - Reduce account sharing.
    - Plug-and-play metered billing.
- As an **AI-agent**
    - Access content across platforms.
    - Pay royalties directly to artists, streamers, etc.
- As a **User**
    - Pay for what you actually watch or listen to.
    - Web2-friendly fund w/ cards or PayPal.
    - Under the hood it's USDC on x402

Description*<P,D> (conti.)*

As a *<P>*, I want to *<D>*

- As a **Creator / Artist**
  - Reach AI agents.
  - Transparent on-chain royalties.
  - Earn more when specific moments go viral and are replayed or rewatched.
- As a **Nerd / TOR user**
  - Earn when seeding bytes.
  - Monetize seeding and peering for movies, software, and more.
  - Platforms like thePirateBay could use xPay to incentivize torrenting.

Tech Stack

Scope

- **xByte's Infra** built using Rust. **(API Server)**
- **xByte's SDK** built using Typescript. (**Client facing**)
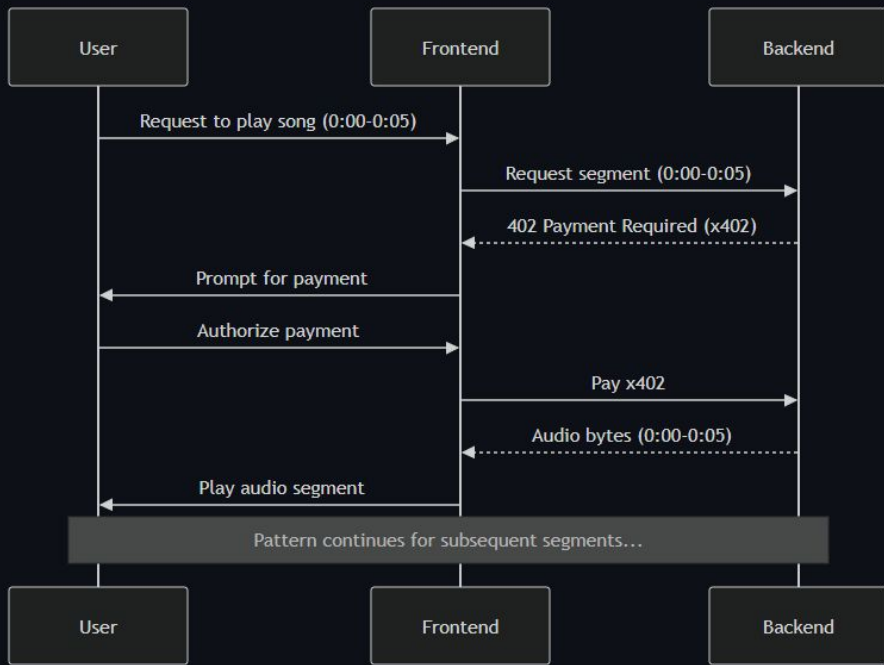
Clients *(e.g. Netflix, Spotify, Twitch, etc.)*

Are responsible for

- Handling customer-side x402 payments
- Managing customer wallets (e.g. Privy, PayPal, etc.)

Tech Stack *(conti.)*

Demo

"Spotify x Netflix" dummy platform for PoC.

Resources

https://github.com/arvmor/xBytes