



EPPLEX

A protocol for ephemeral epNFTs

It is currently impossible to
set an **expiry date** on NFTs

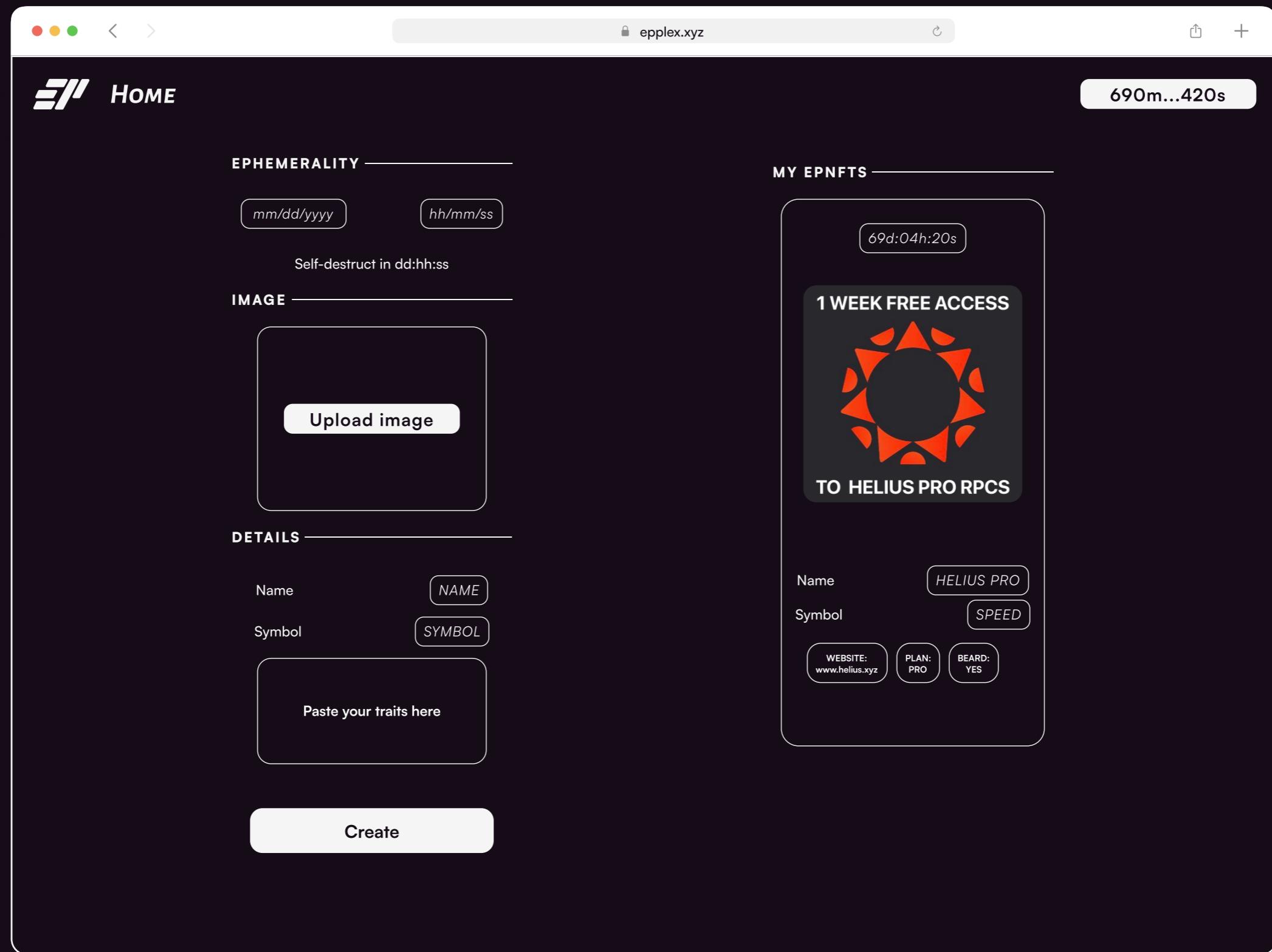
Enter a new standard:

self-destructing,
ephemeral epNFTs

**epNFTs self-destruct
permissionlessly given
a creator-set
Destroy Timestamp**

Demo

For demonstration, a no-code epNFT creation UI has been built: <demo>



Why is this needed?

epNFTs empower a new frontier of NFT use-cases



PROMOTIONS

Limited-time discounts, tickets, access to services



GAMES

Games that require self-destruct mechanisms



SOCIAL MEDIA APPS

NFTs as Snapchat photos, Instagram stories etc



PERFORMANCE ART

Artists looking to deliver ephemeral experiences

An Infrastructure Public Good

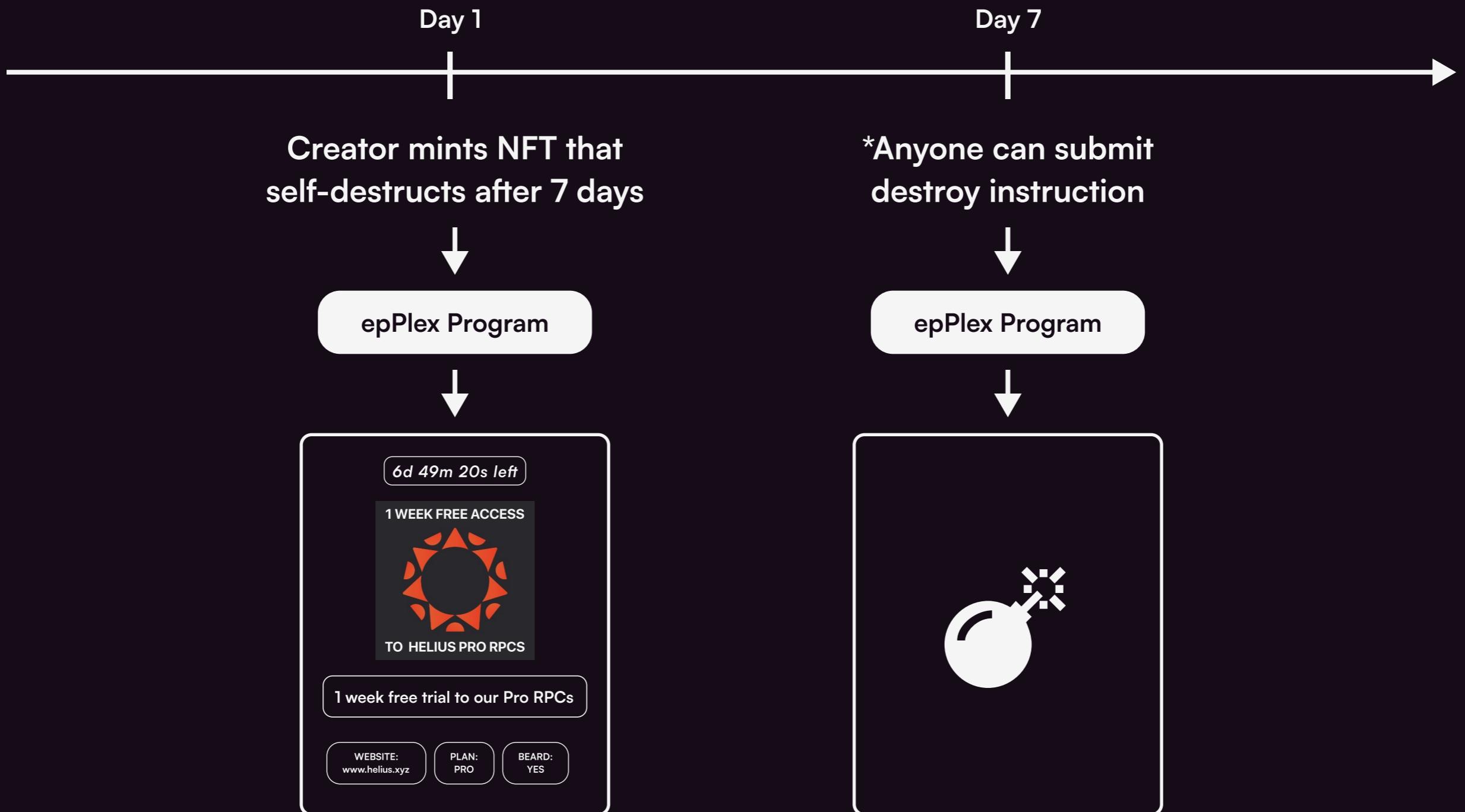
An open-source Infrastructure Primitive &
Public Good using
Token2022 & METAPLEX

Only Possible on Solana

Technical Overview: How it works

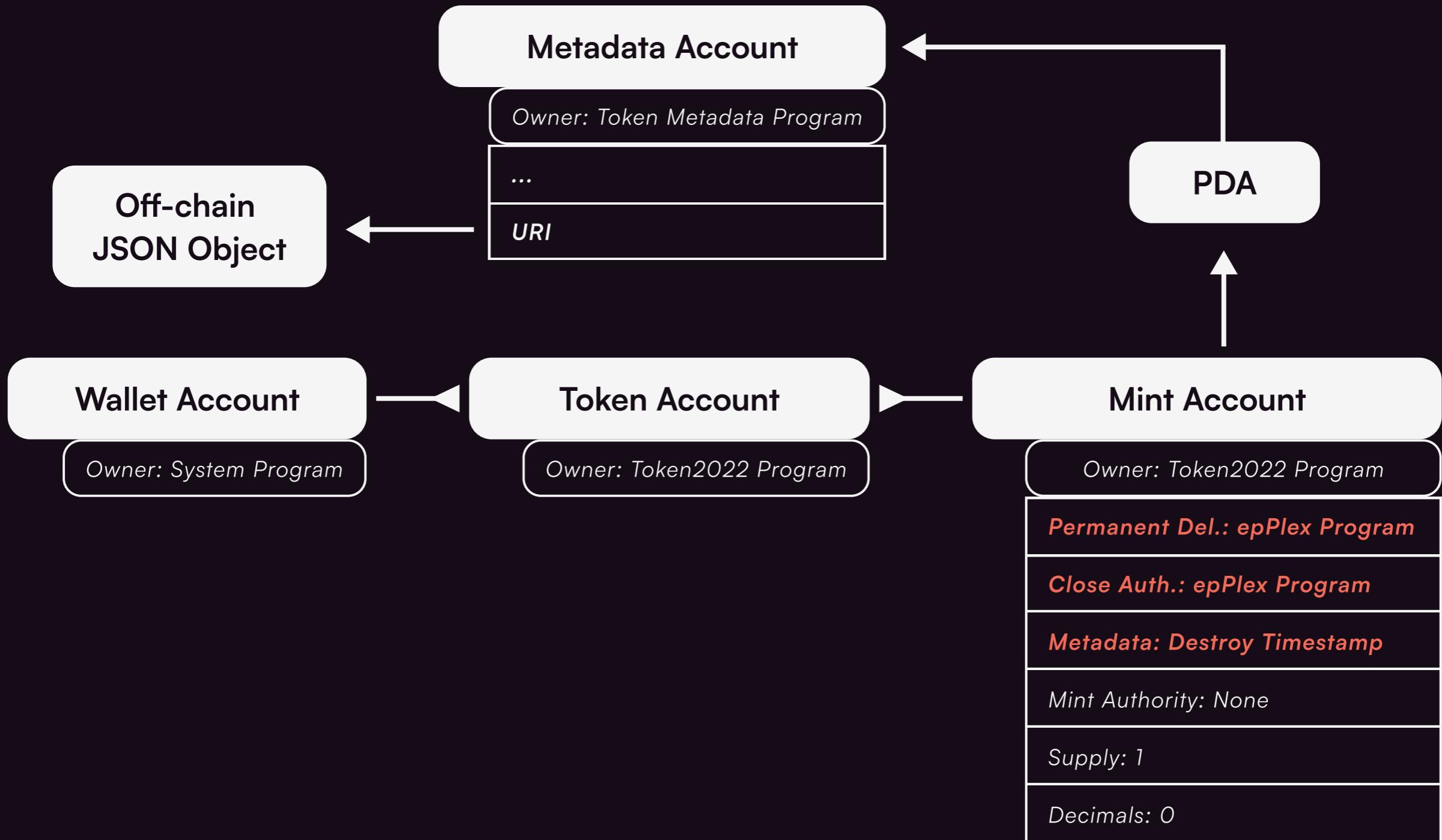
Anyone can invoke destroy ix on the epPlex Program **after** the Destroy Timestamp

*No central bot infrastructure needed, since the Destroyer is incentivised to claim NFT rent



Technical Overview: Structure

For ease-of-use, epPlex leverages composableity of Token2022 & METAPLEX

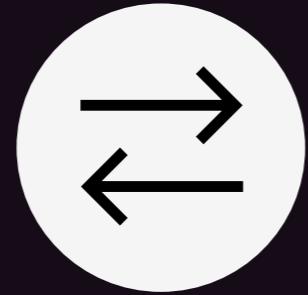


Technical Overview: Still an NFT?

epNFTs still maintain all properties of traditional NFTs



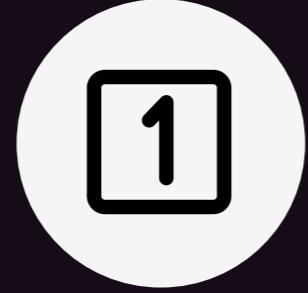
✓ True ownership



✓ Transferable



✓ Authentic



✓ Non-fungible

Business Case Study

If epPlex was **for-profit** instead of a Public Good

**epPlex has exclusive authority to collect
\$0.02 in NFT rent exemption per destruction**

Opportunity

5 billion

Snapchat users create
5B+ media per day

Current status

57 million

Compressed NFTs
minted over 8 months

epPlex

5 million

5M epNFTs \Rightarrow **\$100k revenue** in NFT rent

Go-to-market

3 ways that epNFTs can be widely adopted



Use-cases

Use SDK to create cool
use-cases



Partnerships

Partner with brands
who can use epNFTs



Crypto X

Exposure through
social media

Integration Partners

Brands are eager to integrate epNFTs to deliver novel experiences



dReader

Read digital comics for free
for a limited time-period



Sphere

Issue epNFTs as dicount
codes



Zen Republic

10k epNFT collection to
partake in a survival game



Shyft

epNFT holders are eligible
for extra API Credits



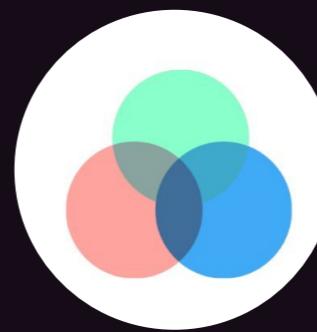
Stockpile

Time-limited access to
funding rounds



SDRIVE

epNFTs as expiring file
pointers



IkonShop

eCom. using epNFTs as
renewable subscriptions



Phase Labs

Limited-time access to
NFT-based DAOs

Traction

The Solana community thinks epNFTs are cool & useful (excerpts from 1st demo)

 <p>F@ursixsix @foursixsix · 2h Yo this is legit. You basically just solved subscriptions on chain.</p>	 <p>vibhu ✅ 💧 @vibhu · 4h Love this</p>
 <p>dReader ✅ @dReaderApp · 4h *adds self-destructable comics to the roadmap*</p>	 <p>Zhe Sujiko 🍔 ✅ @ZheSolworks · 16h need to build out a week pass to use Sujiko 🍔</p>
 <p>Thomukas1 🤙 🎮 @thomukas1 · 35m Self-destructing NFTs in games? >have a pet NFT which you need to take care of (feed, clean, play). >you abandon it for 7 days >it dies (nft gets burned automatically)</p>	 <p>buckets sandbar.io 🌴 ✅ @SOLbuckets this is awesome.</p>
	 <p>Liberty Square ✅ @LibertySquareHQ Love this tech.</p>
 <p>TradeUp.Cards 🍊 🥑 ✅ @CardsTradeup · 2h Nice work. Could see coupons for retail being a big use case.</p>	 <p>owen.sol ✅ 💎 @NFTOwen · 2h BURGOOR BOBBB Seriously cool stuff, well done.</p>
 <p>smick ✅ @0xsmick · 5h Bob nice shit! Could you do epNFTs as compressed? The compression is a huge value add for things like wide-scale consumer applications</p>	 <p>Irffan ✅ @IrffanAsiff · 4h this is awesome</p>
 <p>Saumya Saxena ✅ @Saxenasaheb · 3h This is epic! Trials, offers, discounted pricing based tiers so many applications here.</p>	 <p>Quetzal Lancer ✕ 🍊 ✅ @Lancer_Q · 3h Huge</p>
	 <p>bunjil ✅ @bunjil · 11h can you mint NFTs that expire?</p>
 <p>hodl ✅ @HODLsolana · 2m LFG!! I want my art to self destruct!</p>	 <p>Jack @theblackjvck · 4h so creative man - cant wait to try it!</p>

Team



Burger Bob

 [burger606](https://twitter.com/burger606)

Built Solana's burger lottery

Member SuperteamDE

MSc Comp Sci

Roadmap

epPlex MVP

Build SDK for developers

Integrate Open-Clockwork

Integrate with METAPLEX

Integrate state-compression

Event-based ephemerality

Immutability



It is currently **impossible** Only Possible on Solana
to set an expiry date on NFTs

🌐 www.epplex.xyz

🐦 [@epplex_xyz](https://twitter.com/epplex_xyz)

🐱 github.com/epPlex