

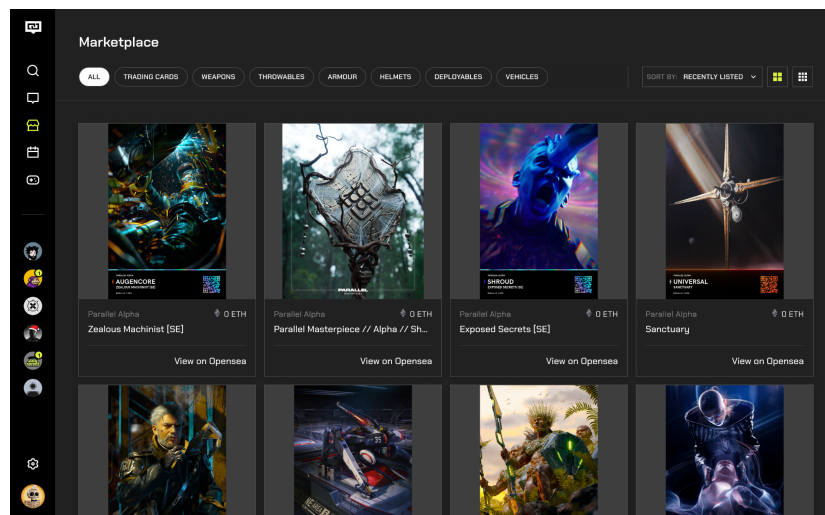
OVERVIEW

A core pillar of Echelon's mission is to expand the use cases, and create utility, for PRIME. Chainsafe is proposing a web based hub for the community of gamers & Echelon gaming partners that weaves together a marketplace and a social space where gaming guilds [Bonds] can be formed. We call this space **Uplink!**

APPROACH

Marketplace

A native Echelon marketplace will allow for a crucial point of community engagement for current and future community members, curating the experience to suit the needs of the community in ways that horizontal marketplaces such as OpenSea and Magic Eden cannot. The Uplink marketplace will focus on three core pillars: Discovery, Convenience, Community. For discovery Uplink will be able to aggregate and filter assets by a variety of features such as studio or publisher, game, and game specific metadata such as expansion, type (card, equipment, etc), Game Factions, key words, and more. On the convenience front Uplink will support a cart based checkout experience and natively support and encourage PRIME usage from day one. Finally, on the community side Uplink will integrate asset swapping, allowing community members to trade assets directly.



Marketplace (Early Screens)

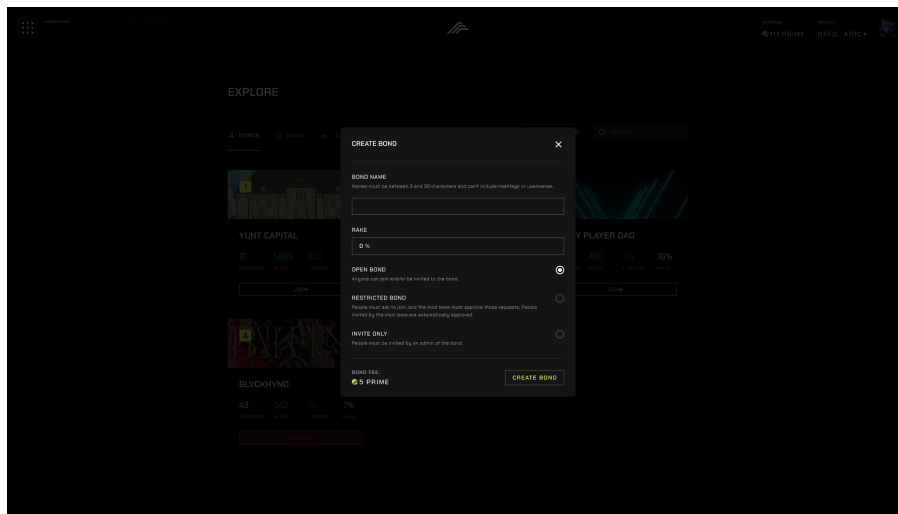
Users will be able to:

- search marketplace by: Publisher or studio, Game, Game specific
- search metadata such as keyword, energy cost, game faction, etc.
- Execute trustless NFT swaps, for example cards for cards

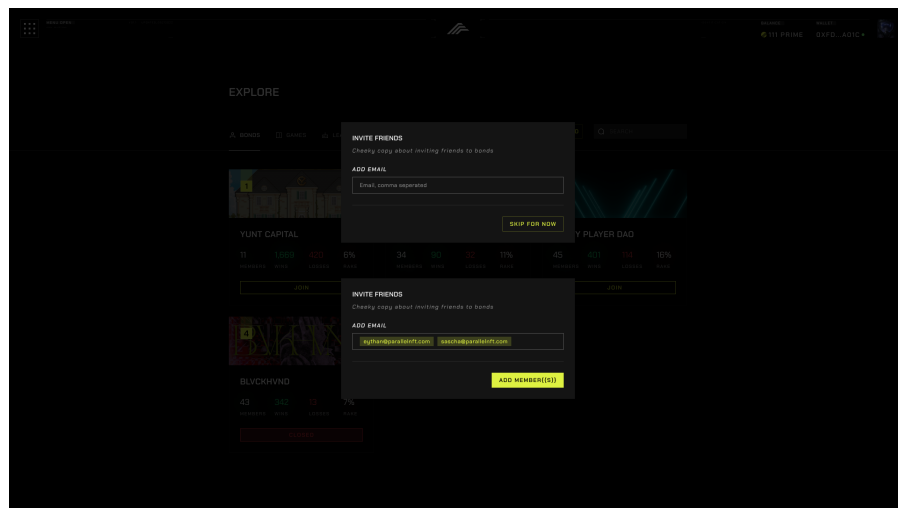
- Checkout shopping cart
- PRIME Token is natively supported along with ETH

Bonds

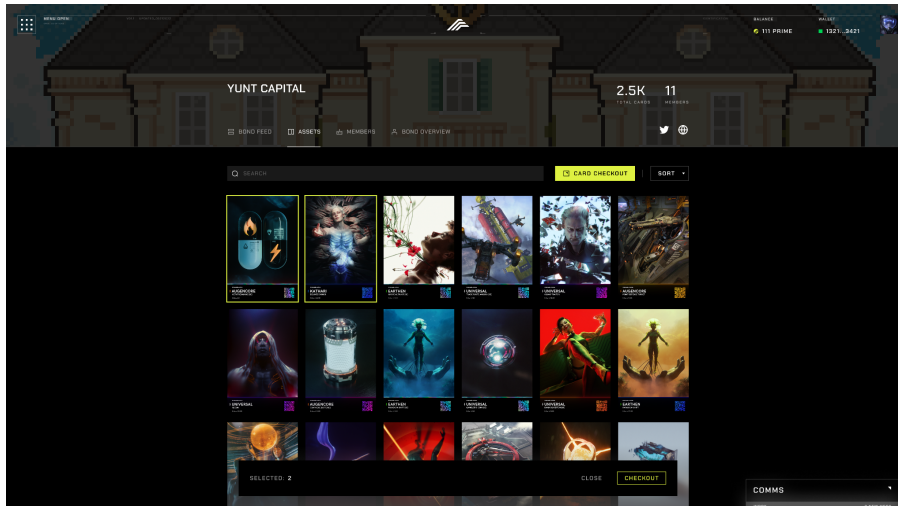
Bonds will leverage a L2 Mainnet network via Uplink to take advantage of low transaction fees for Bond creation, administration, and subscription payments. Anyone will be able to create a bond, manage membership, and distribute Bond assets to specific members via Uplink. Additionally, Uplink will enable Bond administrators to get access to the permissioned lending API programmatically as well.



Bond Creation (Early Screens)



Bond Invitation (Early Screens)



Bond P2P Card Sharing (Early Screens)

Administrators:

- should be able to decide which member cards are lent to member players.
- should be able to allow other users to have admin access to the Bond “account.”
- should be able to view all cards collectively owned and pooled by the Bond.
- should be able to see basic info on the bond players i.e. Win and Loss Record, Matchmaking Rank, Earned Prime

Bond member:

- should be able to accept bond invite
- should be able to put card up for lending
- should be able to view and accept/reject card offered to borrow
- should be able to view bond stats
- should be able to leave bond

RATIONALE

Uplink will provide native PRIME sinks on an L2 Mainnet and will provide gamers with an opportunity to use their PRIME to buy NFTs and create bonds without having to withdraw PRIME won from any Echelon gaming partner back to Ethereum mainnet. Additionally, the low transaction fees on L2, will help Echelon and the PRIME token to expand their audience and continue to develop world class experiences and products for the PRIME community.

PROPOSED USE OF GRANT

ChainSafe will use the funds to cover the costs of the project including engineering salaries, project management, and any associated overhead. The two deliverables have

each been scoped at 6 to 12 weeks duration and an allocation of (4) full-time engineers, solidity engineering, and a dedicated project manager. The overall cost for both deliverables has been priced at a reduced rate bringing the estimated cost to \$414,960 - \$747,600 USD, with an absolute cap of \$750,000 USD subject to the completion of certain milestones. Chainsafe will also maintain and upgrade the marketplace and associated smart contracts as required.

ABOUT THE TEAM

Established in 2017, ChainSafe is a blockchain research and development firm specializing in infrastructure development and web3 gaming. We build client implementations for major ecosystems such as Ethereum, Polkadot, and Filecoin. For instance, we've built Lodestar, the newest Ethereum consensus client, and via a grant from the Ethereum Foundation, we maintain web3.js, a javascript library with nearly 600k monthly downloads.

Beyond clients, ChainSafe is known for expertise in [gaming](#), [cross-chain interoperability](#), [decentralized storage](#), and [privacy](#). In particular, our gaming arm, ChainSafe Gaming, is home to mission-critical tooling spanning web3.unity, an open-source library connecting games built with Unity to the blockchain, as well as an NFT minter and in-game marketplace. Our tools support WebGL and iOS/Android. They're desktop, mobile, and browser compatible and are currently used by 100+ teams in production.

TIMELINE

We estimate that this will take 3-4 months of dev time which we will provide internally. This will be iterative, and multi-phased.

COSTS

Uplink V1 has an estimated cost to \$414,960 - \$747,600 USD, with an absolute cap of \$750,000 USD. Additionally, Uplink's 2% marketplace fee will be split between ChainSafe (to provide ongoing support, upgrades and bug fixes to the Uplink core product) and the Gameplay Pool.

This grant will be subject to a grant agreement between Echelon and ChainSafe