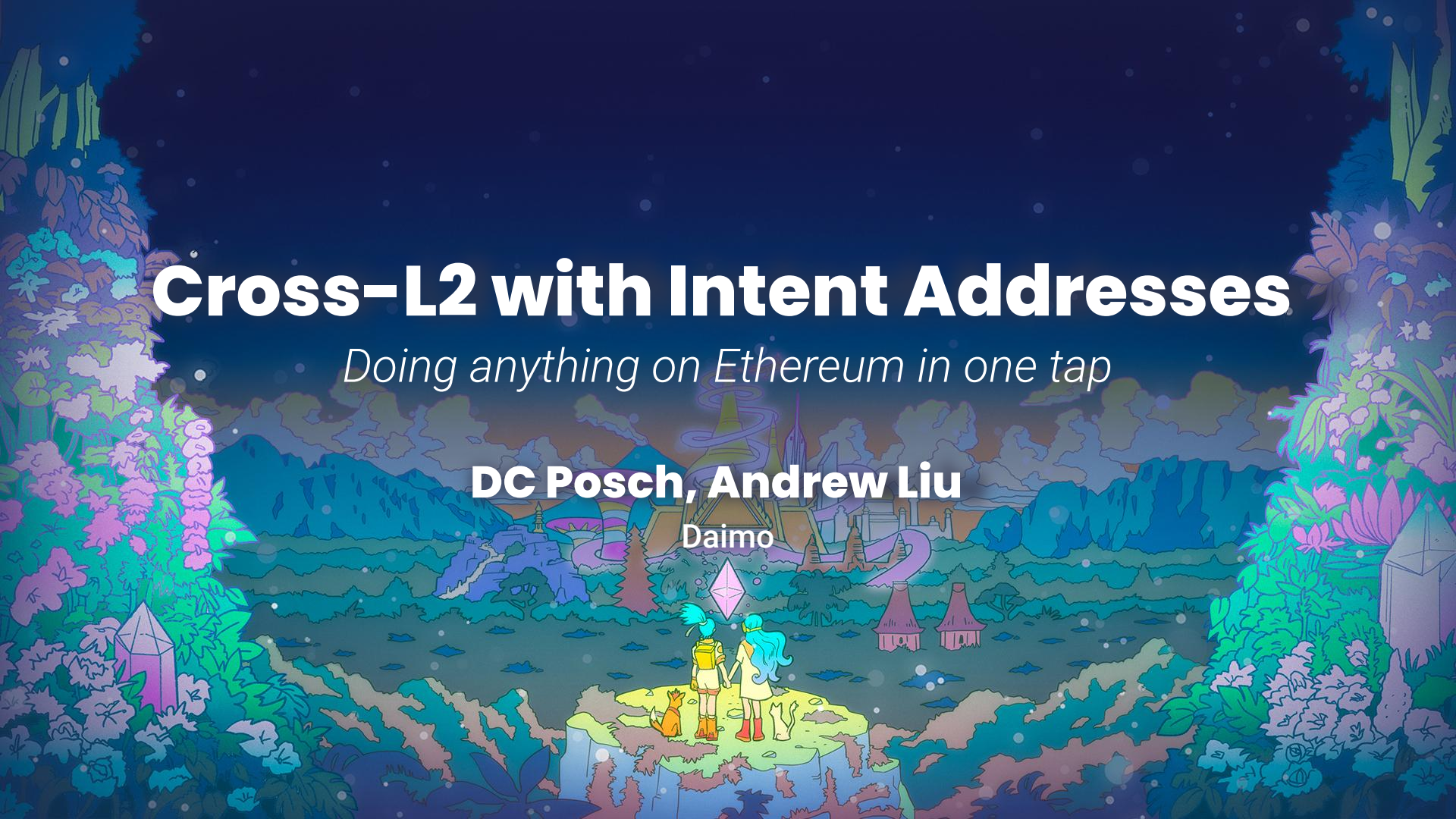


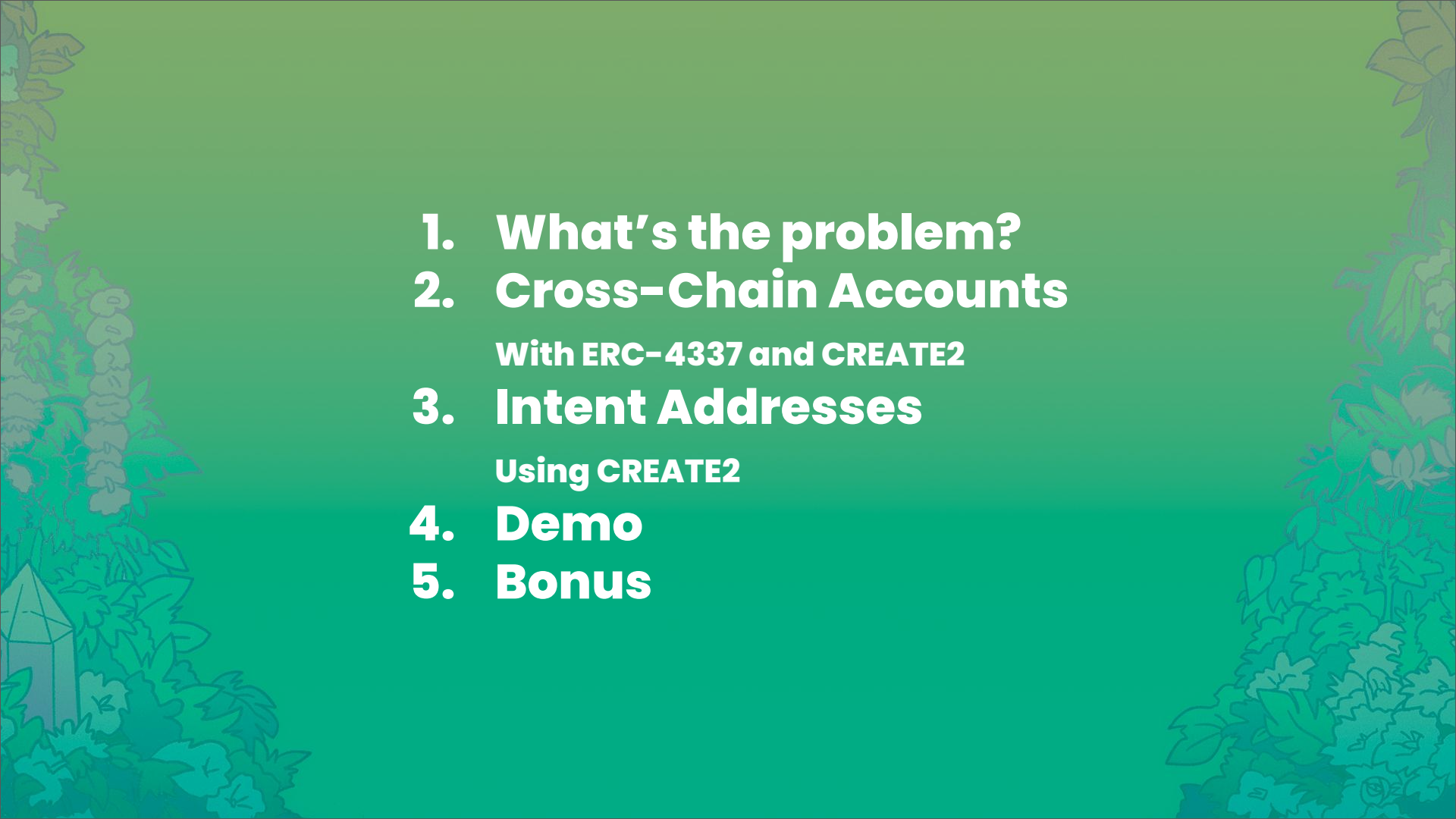
Cross-L2 with Intent Addresses

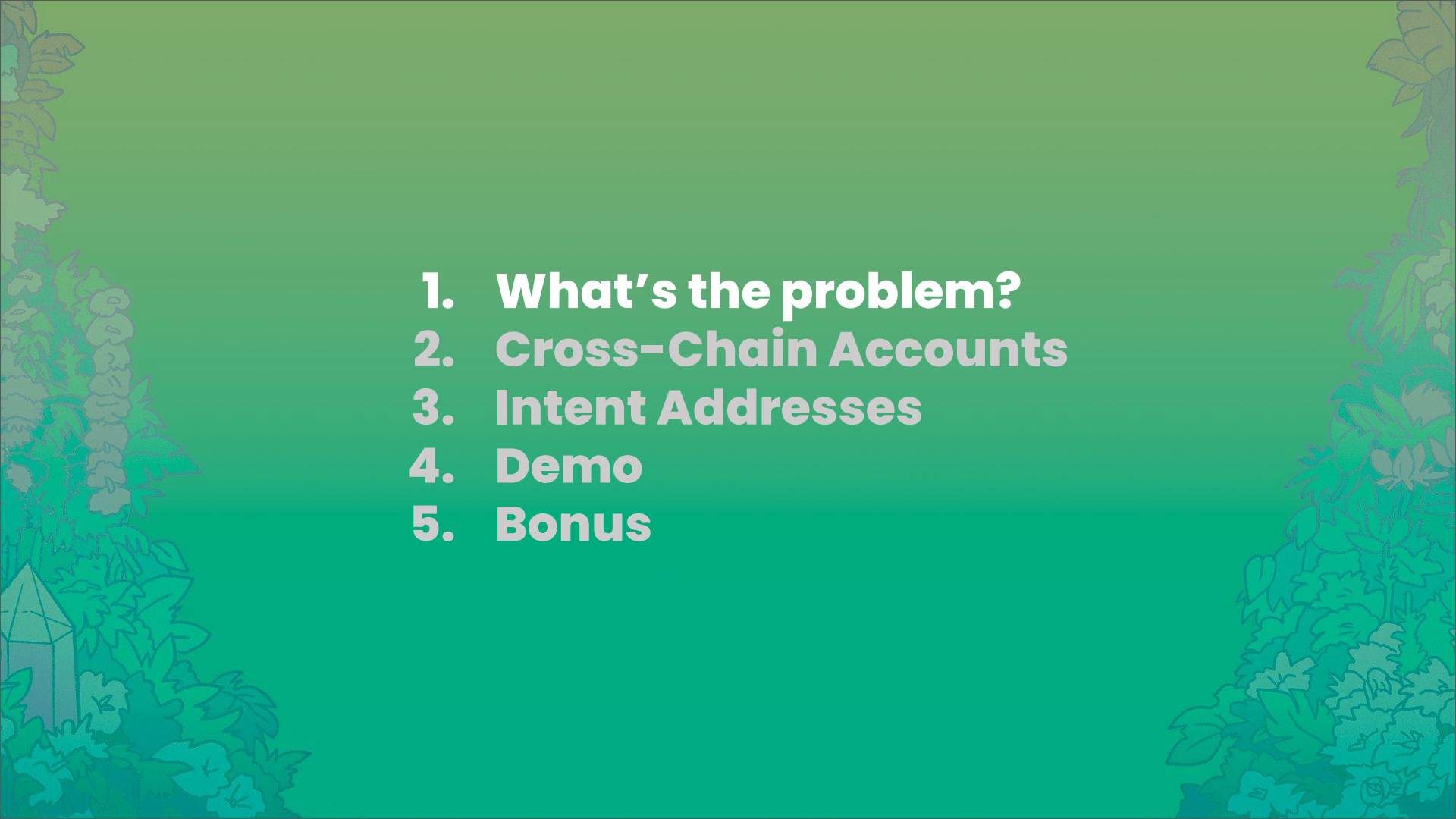
Doing anything on Ethereum in one tap

DC Posch, Andrew Liu

Daimo



- 
1. **What's the problem?**
 2. **Cross-Chain Accounts**
With ERC-4337 and CREATE2
 3. **Intent Addresses**
Using CREATE2
 4. **Demo**
 5. **Bonus**

- 
- 1. What's the problem?**
 - 2. Cross-Chain Accounts**
 - 3. Intent Addresses**
 - 4. Demo**
 - 5. Bonus**

What's the problem?

EASIEST METHOD 1 MINUTE • FREE

Deposit USDC (Polygon)

- 1 Buy USDC on Coinbase, Binance, etc.
- 2 Send/withdraw USDC to the address below.

0x0ad72C92c5665DFc01Dd4A0b...

No crypto? [Buy USDC](#)

Important

Select **Polygon** as the network (NOT Polygon zkEVM) or you may lose your funds.

Send Receive

Network: Polygon

1 USDC

\$1.00

Max

[Got it](#)

0.00

Chat with a human

have any crypto

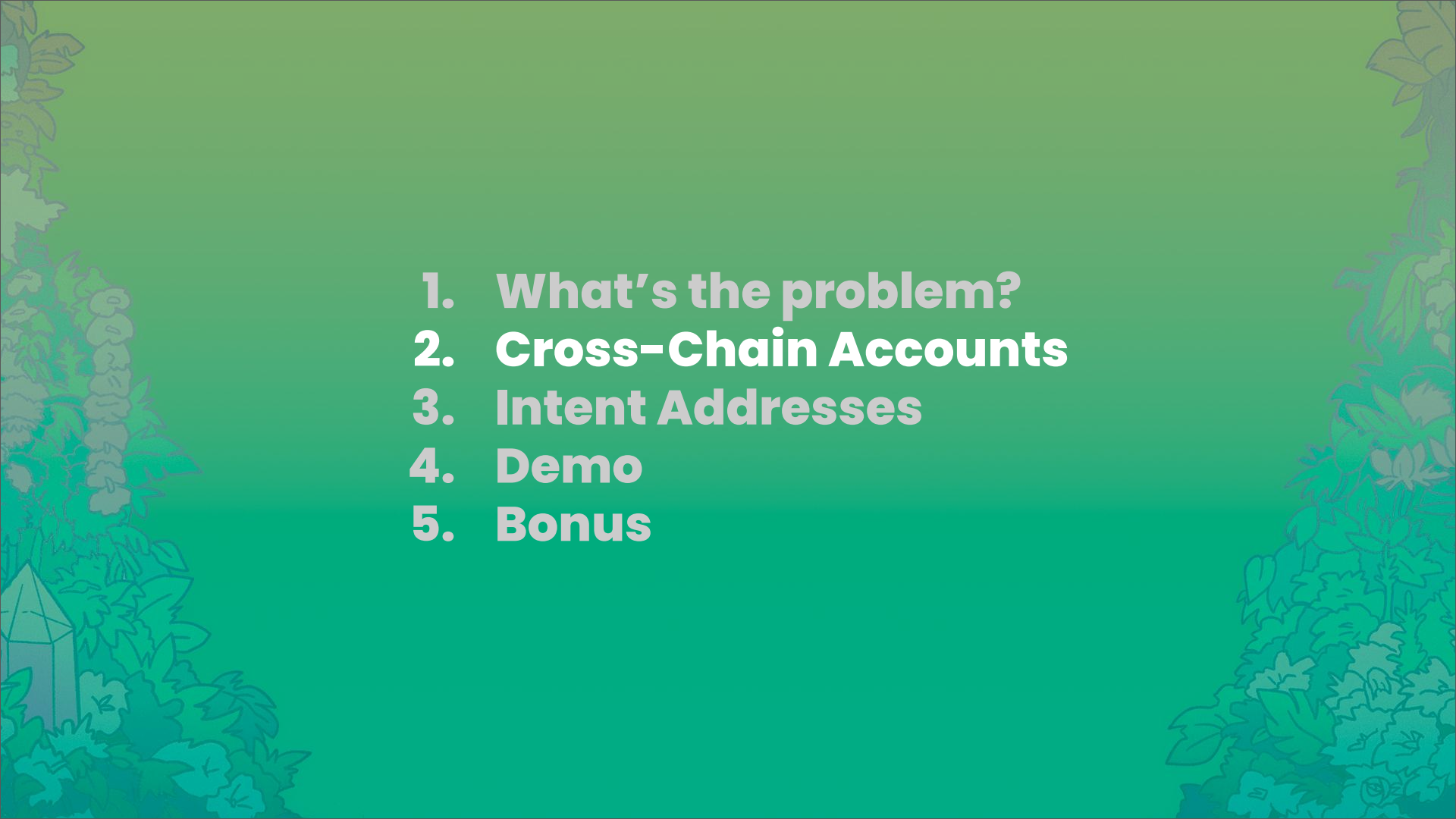
Fragmentation = lost opportunities

We want “One Ethereum”

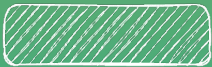
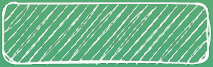





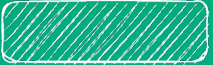

ecosystem's strength is that there is a wide array of people and organizations - [client teams](#), researchers, [layer 2 teams](#), application developers, local community groups - all building toward their own visions of what Ethereum can be. The primary challenge is making sure that all these projects are, collectively, building something that feels like one Ethereum ecosystem, and not 138 incompatible fiefdoms.


How do we fix this *today?*

1. **Cross-Chain Accounts** for wallets
2. **Intent Addresses** everywhere else

- 
1. What's the problem?
 2. **Cross-Chain Accounts**
 3. Intent Addresses
 4. Demo
 5. Bonus

Cross-Chain Accounts

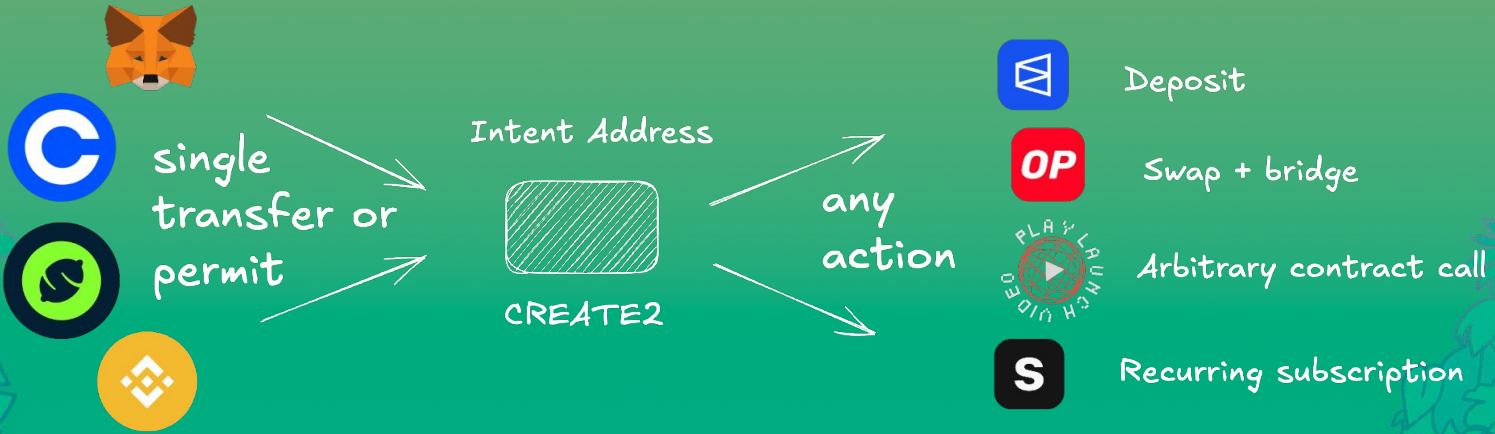
	Chain A	Chain B	Chain C
EOA always cross-chain			
SAFE			
Contract Account ERC-4337 + CREATE2 + fixed keys or keystore rollup = cross-chain			

- 
- 1. What's the problem?**
 - 2. Cross-Chain Accounts**
 - 3. Intent Addresses**
 - 4. Demo**
 - 5. Bonus**

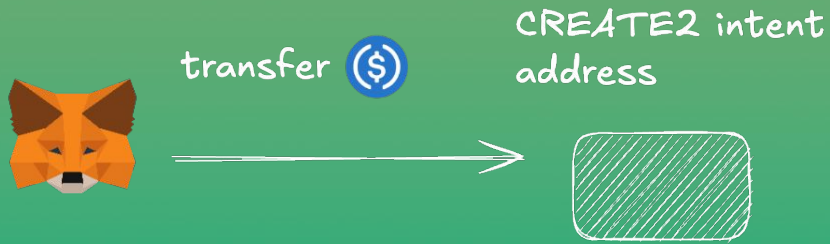


**An intent address lets you
accomplish arbitrary actions on
Ethereum just by sending funds.**

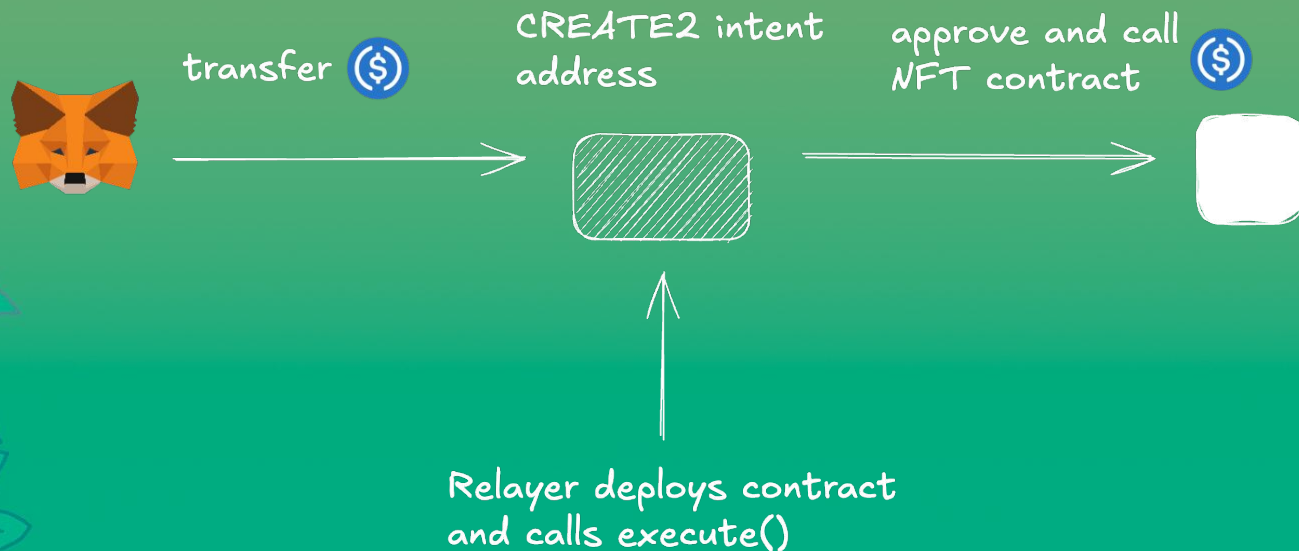
Intent Address



Intent Address: Simple Contract Call



Intent Address: Simple Contract Call



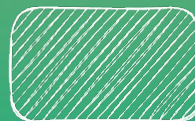
Intent Address: Simple Contract Call

Pay with a
browser wallet -
one wallet roundtrip

Pay from an
exchange



simple transfer



CREATE2 intent address

This address embodies an intent.
You can do any action just by
sending funds to this address.

Intent Address: Any Coin, Any Chain

Source Chain



transfer



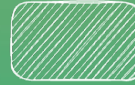
intent address

Intent Address: Any Coin, Any Chain

Source Chain



transfer 



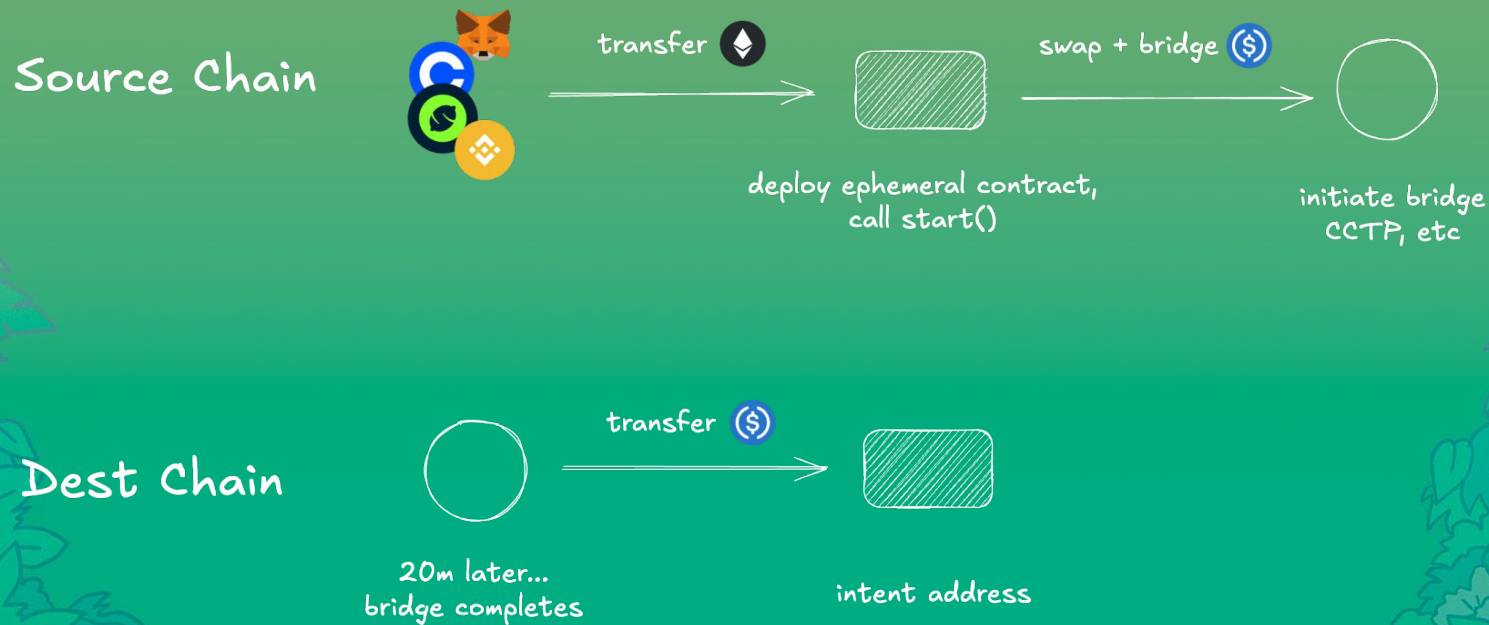
deploy ephemeral contract,
call start()

swap + bridge 



initiate bridge
CCTP, etc

Intent Address: Any Coin, Any Chain



Intent Address: Any Coin, Any Chain

Source Chain



transfer 



deploy ephemeral contract,
call start()

swap + bridge 



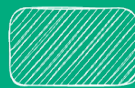
initiate bridge
CCTP, etc

Dest Chain



20m later...
bridge completes

transfer 



deploy ephemeral contract,
call finish()

approve + call 



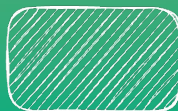
recipient addr
or contract call

Intent Address: Fast Finish & Claim

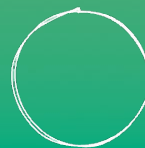
Source Chain



transfer



swap + bridge



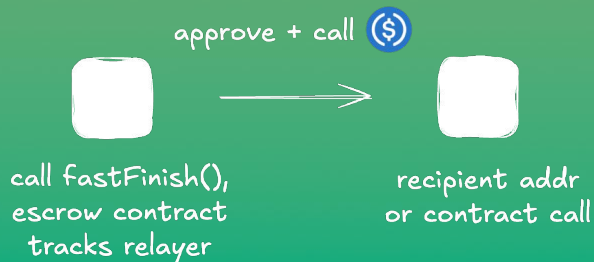
deploy ephemeral contract,
call start()

initiate bridge
CCTP, etc

Intent Address: Fast Finish & Claim

Dest Chain

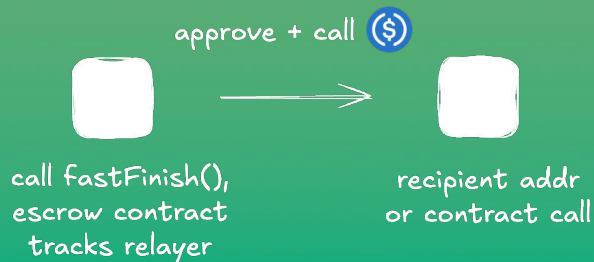
immediately...



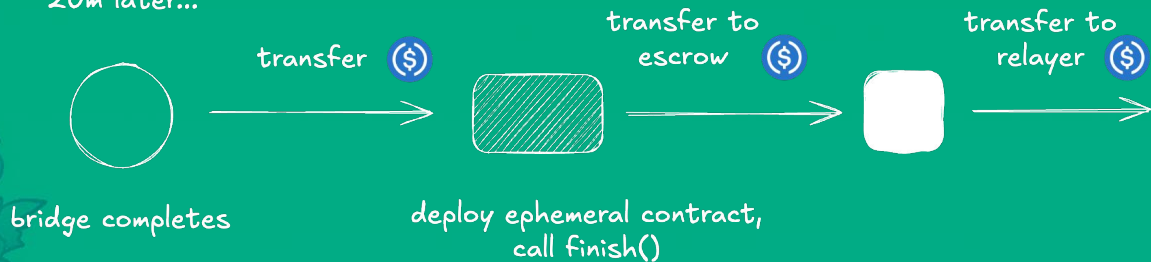
Intent Address: Fast Finish & Claim

Dest Chain

immediately...



20m later...



Intent Address Motivation

1. **Better user experience**

One wallet round trip

Pay with exchange

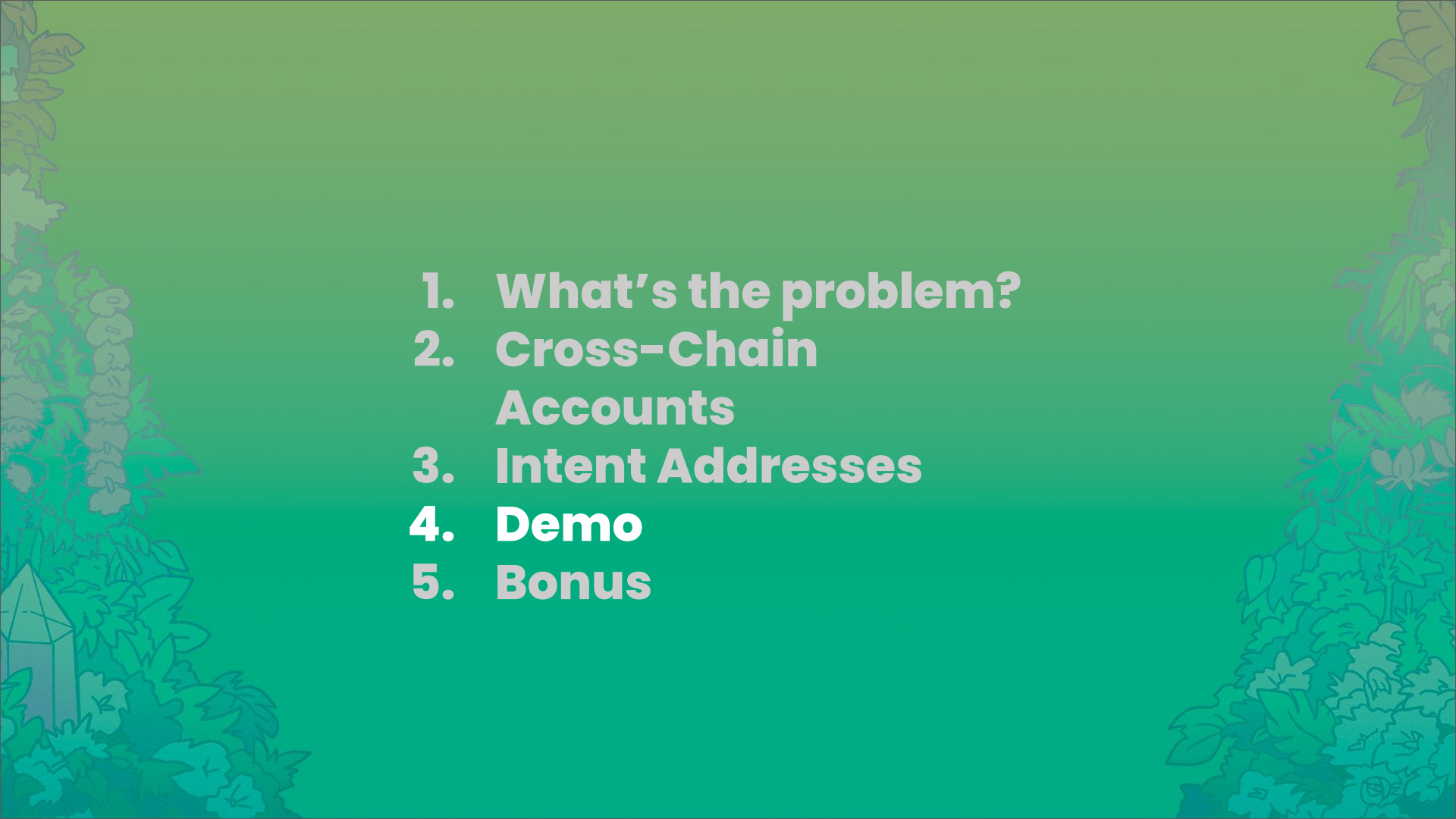
Sponsored gas

2. **Better interoperability**

Any coin, any chain

3. **Permissionless**

Funds never stuck or custodied

- 
1. **What's the problem?**
 2. **Cross-Chain
Accounts**
 3. **Intent Addresses**
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Predict Tomorrow's New York Times Headline

Judged by AI • Secured by Cryptography ⓘ

Most Likely Headline

Predictions 0 Vol \$0

Predictions

📊[AI Score] ⓘ

Bet

No predictions yet. **Early predictions get a bonus**

PRE-ORDER A DGEN1

[CONNECT](#)

Get a pre-order mint. Receive your dGEN1 in Spring 2025.
Refer friends to receive discount.

//CONTRACT

BASE 0X753...4E1.

//PRICE

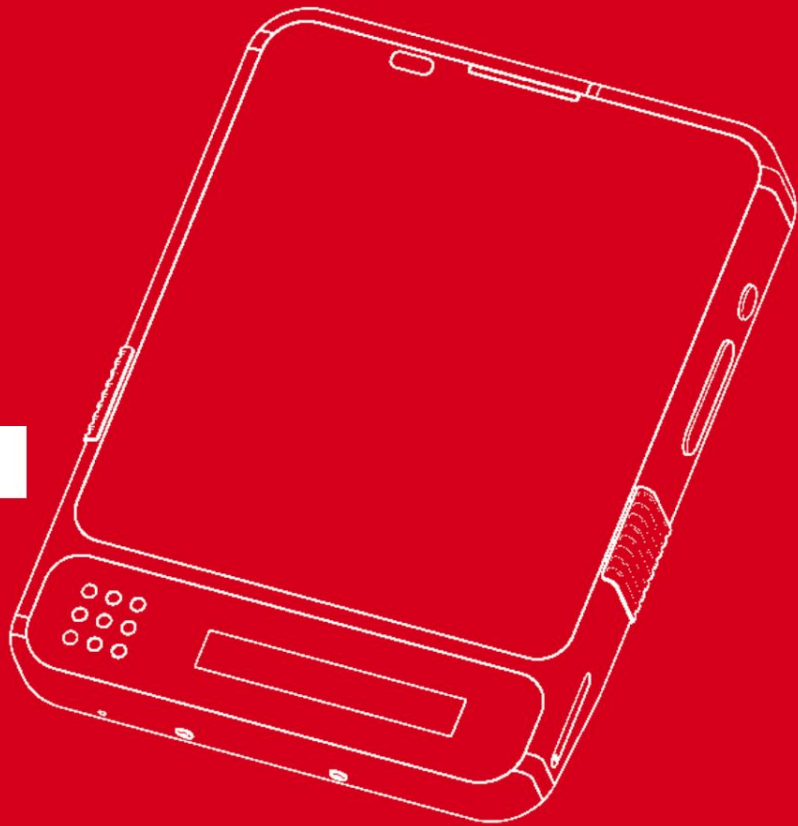
0.16 ETH OR 60000.00 DEGEN

//UNITS



USE CRYPTO

USE CARD



dgen1
mint.freedomfactory.io

0XC0...874D

PRE-ORDER A DGEN1

Get a pre-order mint. Receive your dGEN1 in Spring 2025.
Refer friends to receive discount.

```
//CONTRACT
BASE 0X753...4E1.
//PRICE
0.16 ETH OR 60000.00 DEGEN
//UNITS
```

-

1

+

//HERE IS YOUR DISCOUNT CODE


```
//DISCOUNT
```


USE A DISCOUNT CODE?

ANY CRYPTO

DEGEN

X




- 
- 1. What's the problem?**
 - 2. Cross-Chain Accounts**
 - 3. Intent Addresses**
 - 4. Demo**
 - 5. Bonus**

Bonus: Permit

For assets that support it, like USDC, we can do completely gasless intents.

Single signature into any action on any chain.

Bonus: SELFDESTRUCT

Can we reintroduce the SELFDESTRUCT refund?

Now that it's limited to a single transaction, no downside.

Lets us clean up after ourselves. Intent addresses are ephemeral, why not create + use + delete?

Bonus: ERC

We could write a spec for standard intents. This gives us a progressive UX:

Supporting wallets can show the final asset flows.
...older wallets still work, just show bare address.

Questions

Cross-L2 with Intent Addresses

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Daimo

