ICF NFT WG

Call 3

Agenda

Part 1: Core Team Update

1. Welcome to new members of the group

2. Map - where we are now

3. NFT-RFC-1 The InterNFT RFC Process

4. NFT-RFC-2 Use Cases & Requirements

5. Drafting process for NFT Interface Standard & NFT Metadata Standard

6. Call for contributions

Part 2: Use-case Presentations

1. Molecule - NFTs for IP & Patents

2. Agoric - Object Capabilities

3. Secret Network - NFTs with Privacy Preservation

🕐 2min

ICF NFT WG

Welcome

Project intro, progress and summary of previous calls
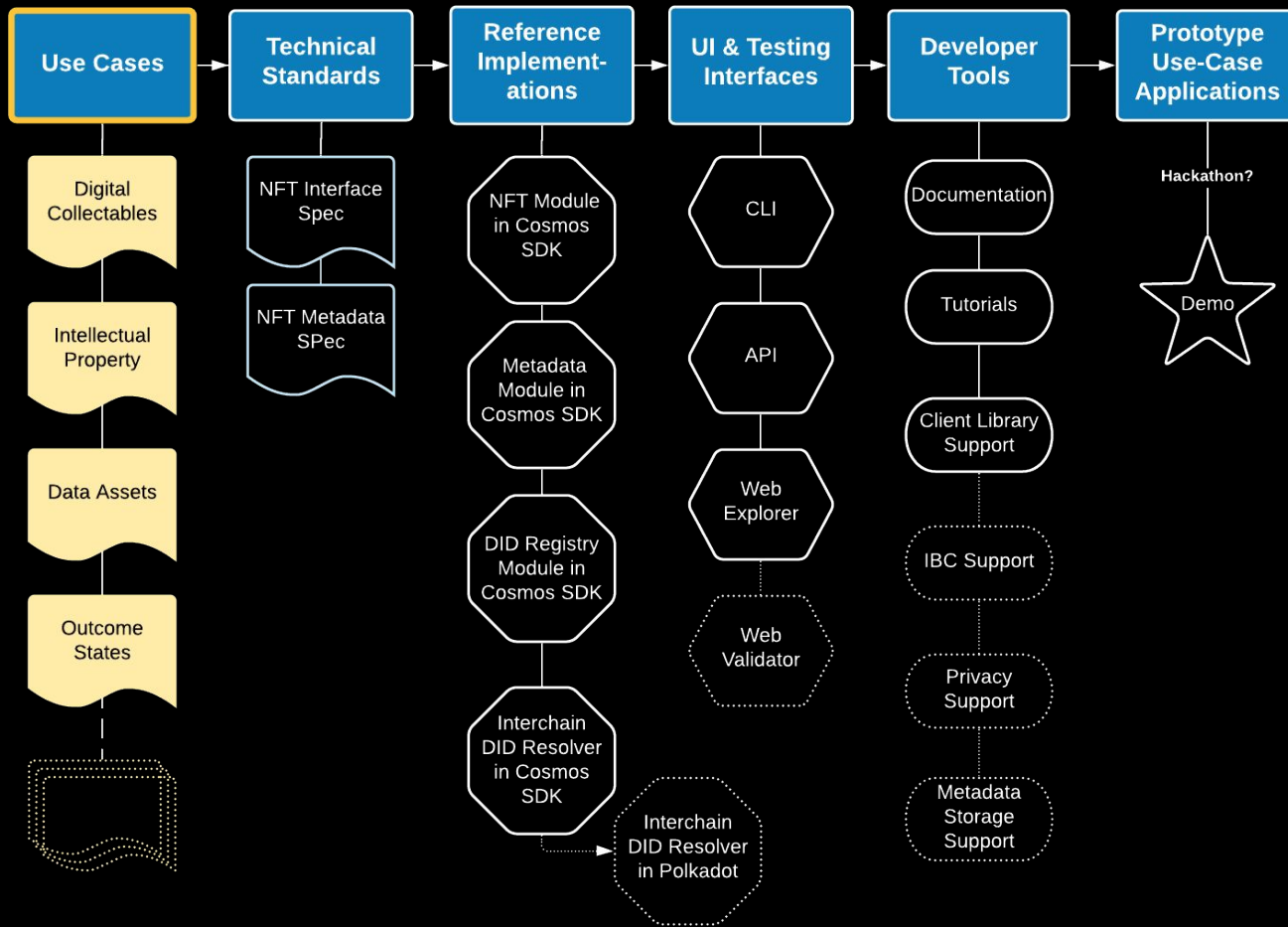
Welcome to first times attendees

Billy Rennekamp

Grants Manager at Interchain Foundation
Founder of Clovers Network

🕐 5min

Where We Are Now

Dr Shaun Conway,

ixo, Internet of Impact

5min

ICF NFT WG

NFT-RFC-1: The Standards Process

Deepanshu Tripathi

CTO of Persistence One

5min

NFT-RFC-2: Use Cases & Requirements

Dr Shaun Conway,

ixo, Internet of Impact

5min

ICF NFT WG

1. Concepts & Terminology

- Token
- Metadata
- Resources
- International Resource Identifiers (IRI, URI, DID, CID, ...)
- IRI Owner
- Referent
- Linked Data
- State
- Authentication
- Validation
- Verification

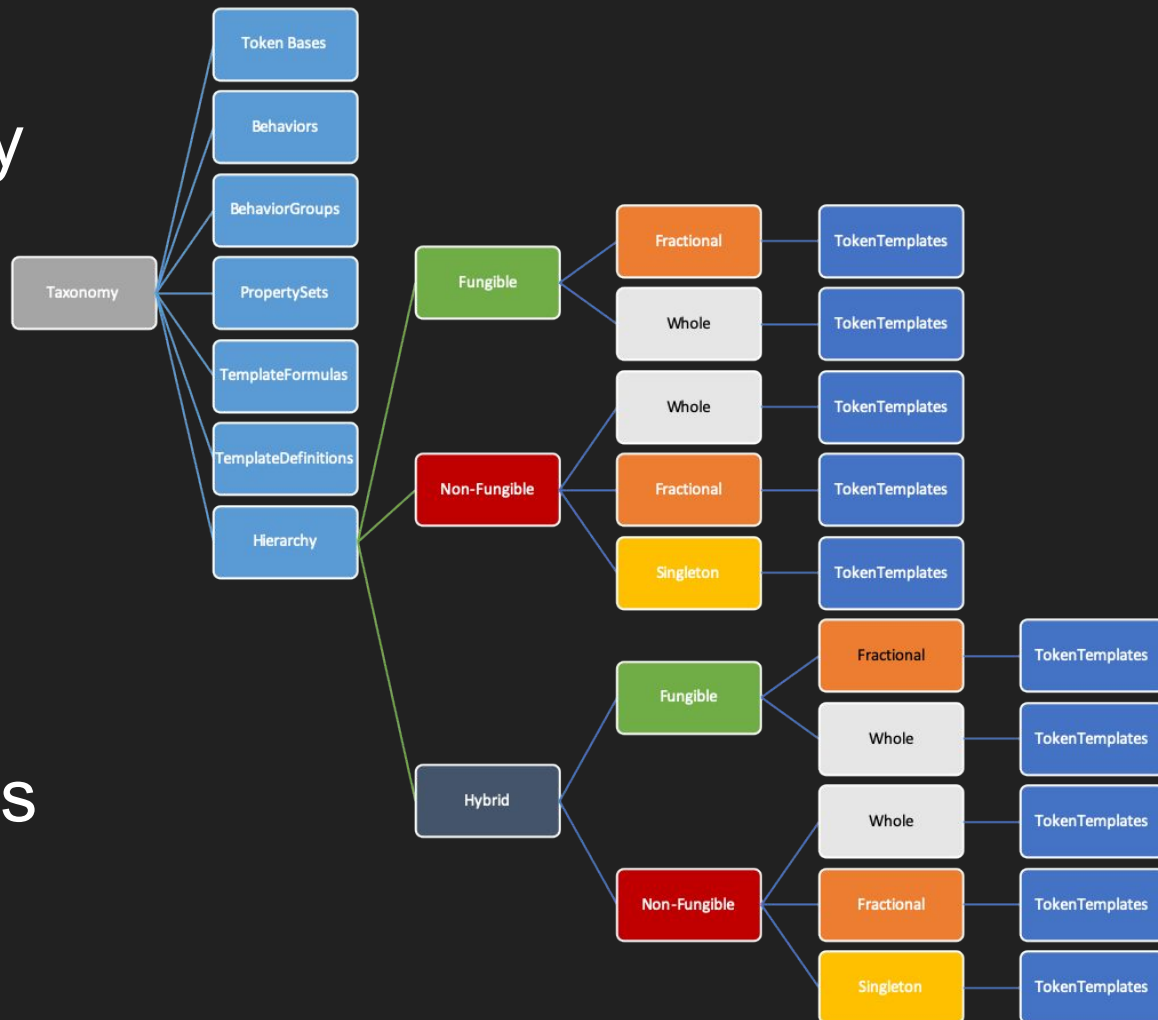Context is referenced to web standards, wherever possible (and relevant)

Token Taxonomy

↓

Token Templates

Source: Interwork Alliance

1. Defining Features of Interchain NFTs + Metadata

1. Uniquely Identifiable
2. Ownable
3. Resolvable
4. Decentralised
5. Persistent
6. Cryptographically Verifiable
7. Stateful

2. Canonical Use-Cases

1. Collectible Tokens
2. Financing Tokens
3. Impact Tokens
4. Access Tokens
5. Art Tokens
6. Physical Property Tokens
7. Data Tokens
8. Credential Tokens
9. Capability Tokens
10. Commodity Tokens

Other types?

- Legal Contract Tokens
- Document Tokens
- Certificate Tokens
- …

Semantic differentiation?

- Art Tokens
  - Artworks
  - Patents
  - …
- …

3. Requirements for NFTs AND Metadata

1. Mintable
2. Burnable
3. Ownable
4. Transferable
5. Non-transferable
6. Lockable
7. Immutable
8. Mutable
9. Re-fungible
10. Divisible
11. Composible
12. Conditional

Which requirements are we missing?

Further use-cases and user stories should help us figure this out, based on real needs and new contexts

4. User Stories

A. Quality Carbon Credits
B. Financing Commodity Trade Deals
C. Crowd-sourced funding for pharmaceutical patents
D. Primary education impact bonds
E. Private Credentials
F. Blockchain transaction receipts
G. …

Please add your user story by PR

Format:

- Context
- User Needs
- Unique Challenges
- Distinctive Requirements

Requirements should link back to the list of requirements (section 3) - propose a new one if your requirement is not already addressed

Add links for reference

What's Next in the Standards Process

Drafting process for the NFT Interface Standard & NFT Metadata Standard

 Deepanshu Tripathi, CTO at Persistence

 Joe Andrieu, Legendary Requirements

 5min

ICF NFT WG

Call for contributions

Billy Rennekamp

Grants Manager at Interchain Foundation
Founder of Clovers Network

5min

ICF NFT WG

Use-case Presentations & Discussion

Dean Tribble of **Agoric**, "NFTs & Object Capabilities"

James Waugh of **Secret Network**, "NFTs and Privacy"

🕐 10 min each