

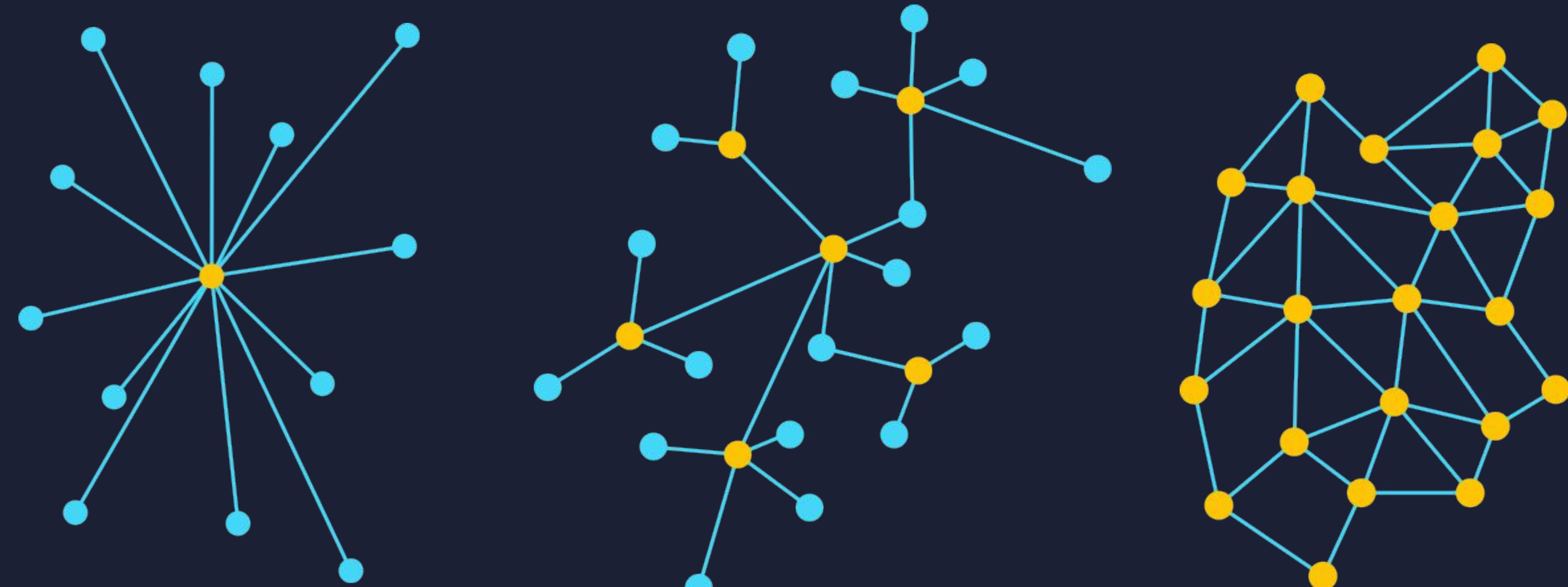
A QUICK LOOK INTO THE PINNING SERVICE API PROPOSAL



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Pinning Service: What is a Pinning Service?



- A Pinning Service provides an API via which you can have your IPFS content hosted, i.e. Infura, Pinata, RTrade.
- A Pinning Service provides similar functionality to what Dropbox provides but **backed by IPFS** instead of regular cloud storage.

Pinning Service: What is the Proposal?

- The proposal is to standardize the Pinning Service API to be service provider agnostic.

Pinning Service: Why?

- This allows for tools to be built on top of the Pinning Service API without having to write specific code for each provider.
- Tools that aim to support Pinning Services can be better integrated, such as IPFS Cluster.

Pinning Service: What does it look like?

- Swagger Definition

The screenshot shows the SwaggerHub interface for the IPFS Pinning Service API. The top navigation bar includes the SmartBear logo, a search bar, and buttons for SIGN UP and LOG IN. The main area displays the API definition for version v0.0.0.

Info: The API is titled "IPFS Pinning Service" and is described as "This is the IPFS Pinning Service API. It attempts to be an implementation-agnostic API." It is listed as "PUBLISHED" and "Read Only".

PINS: This section defines the endpoints for managing pins:

- GET /pins**
- POST /pins**
- GET /pins/{cid}**
- POST /pins/{cid}**
- DELETE /pins/{cid}**

SCHEMAS: This section lists the schemas used in the API:

- SCHEMA Error
- SCHEMA Cid
- SCHEMA Metadata
- SCHEMA ReplicationFactor
- SCHEMA PinStatus
- SCHEMA Pin

Code Preview: The right side shows the raw Swagger JSON code for the API.

```
openapi: 3.0.0
info:
  version: 'v0.0.0'
  title: 'IPFS Pinning Service'
  description: 'This is the IPFS Pinning Service API. It attempts to be an implementation-agnostic API.'
servers:
  - description: SwaggerHub API Auto Mocking
    url: https://virtserver.swaggerhub.com/lanzafame/ipfs-pinning-service/v0.0.0
paths:
  /pins:
    get:
      summary: Get all pins
      tags:
        - pins
      description: Get all the pins for the current user.
      responses:
        '200':
          description: OK
          content:
            application/json:
              schema:
                type: array
                items:
                  $ref: '#/components/schemas/PinStatus'
        '400':
          $ref: '#/components/responses/BadRequest'
        '500':
          $ref: '#/components/responses/InternalServerError'
    post:
      summary: Add an array of pins
      tags:
        - pins
      description: Add an array of pins
      responses:
        '200':
          description: OK
          content:
            application/json:
              schema:
                type: array
                items:
                  $ref: '#/components/schemas/PinStatus'
        '400':
          $ref: '#/components/responses/BadRequest'
        '500':
          $ref: '#/components/responses/InternalServerError'
```

API Documentation: The right panel provides a detailed view of the "pins" endpoint, listing its methods and descriptions.

Method	Path	Description	Status
GET	/pins	Get all pins	Locked
POST	/pins	Add an array of pins	Unlocked
GET	/pins/{cid}	Get status of a Pin	Locked
POST	/pins/{cid}	Add a new Pin	Locked
DELETE	/pins/{cid}	Remove a Pin	Locked

Pinning Service:

Where to go to collaborate?

- github.com/ipfs/notes/378

Thanks!

GITHUB LINK

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