Academic Docs / IPFS gateway

http://iplddir/doi/10.0001/xxxx → **DOI Obj:** → **NR iterator** → **IPLD-dir (holds choices)** → /ipfs/Q....

↓ /ipfs/Q....

User chooses one

Includes Array of

Sqlite DB

DOI file:
contenthash
httpurl
meta

Locate file ← contenthash

HTTP server of content → **Retrieve content** → httpurl, byterange → **NRI.shards () iterator** → shards → **IPLDshards (holds shards)** → /ipfs/Q...

Bytes

sha256() → sha25

hashindex
multihash=>
httpurl, byterange

Store IPLD2

contentstore:
multihash => IPLD2

User client retrieves → IPLDshards: / ipfs/Q...

multihash lookup

Retrieval from Contentstore → IPLD-shards { ....}

User Client retrieves shards

Each Shard: / ipfs/Q....

multihash lookup

location

Retrieval from DS — Content of shard → **User Client combines Shards**