

# Using IPFS to mint NFTs on Kusama

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# About KodaDot

- The first multi language NFT gallery on Kusama using IPFS
- Minting NFTs on Kusama using KodaDot NFT gallery costs a few cents and artwork will be on chain forever
- Supporting minting and displaying art, no auctions for artworks, yet
- More features coming soon



# NFT = Non Fungible Token

- One-of-a-kind tokens that represent a unique good or asset
- Been called “Crypto collectibles”
- Scarcity + demand = value when added virality into the mix
- Something rare and collectible like Artwork, Cards, Reputation



# Kusama and NFT

- On Chain Standard for Kusama protocol limitations
- Used for writing custom notes on Kusama chain in a standardized and structured way



## NFT Collection

### Collection Definition

```
{
  "version": "RMRK1.0.0",
  "name": "Dot Leap Early Promoters",
  "max": 100,
  "issuer": "CpjsLDC1JFyrhm3ftC9Gs4QoyrkHKhZKtK7YqGTRFtTafg",
  "symbol": "DLEP",
  "id": "0aff6865bed3a66b-DLEP",
  "metadata": "ipfs://ipfs/QmVgs8P4awhZpFXhkkgnCwBp4AdKRj3F"
}
```

### Collection Metadata

```
{
  "description": "Everyone who promoted [Dot Leap](https://",
  "attributes": [],
  "external_url": "https://rmrk.app/registry/0aff6865bed3a6",
  "image": "ipfs://ipfs/QmYcWFQCY1bAZ7ffRggt367McMN5gyZjXtr"
}
```

## NFT

### NFT Edition 15 Definition

```
{
  "collection": "0aff6865bed3a66b-DLEP",
  "name": "Early Promoters version 15",
  "instance": "DL15",
  "transferable": 1,
  "sn": "0000000000000001",
  "metadata": "ipfs://ipfs/QmavoTVbVHnGEUztnBT2p3rif3qBPeCf"
}
```

### NFT Edition 15 Metadata

```
{
  "external_url": "https://rmrk.app/registry/0aff6865bed3",
  "image": "ipfs://ipfs/QmSY3VzdNdAphEs51GW9QMAUotaX3Rf6W",
  "description": "Everyone who promoted Dot Leap via the",
  "name": "Early Promoters version 15",
  "attributes": [],
  "background_color": "ffffff"
}
```

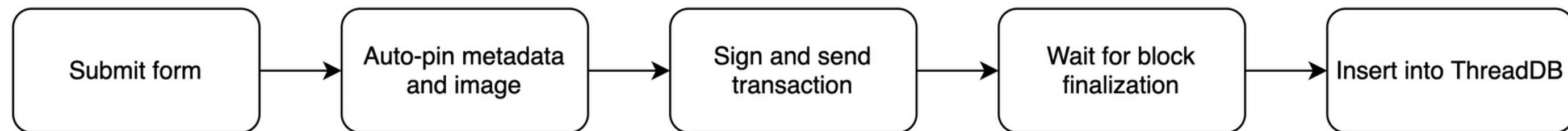
# RMRK

- Bytes saved on-chain
- Super expensive to save everything on-chain (more bytes, higher price)
- Saving it on IPFS => cheap, effective and verifiable

_remark	RMRK::MINT::RMRK1.0.0::%7B%22max%22%3A1%2C%22name%22%3A%22Memories%20of%20collapse%22%2C%22symbol%22%3A%22MEMORIES_OF_COLLAPSE%22%2C%22version%22%3A%22RMRK1.0.0%22%2C%22issuer%22%3A%22Dx6nVUy6f2znn4ZwNZ3TGBEyUz3FLbCRGQGKAut4LxjCVRs%22%2C%22metadata%22%3A%22ipfs%3A%2F%2Fipfs%2FQmSxrwwKdwsBKr4zMUcFRKhM8bnXBNsvb4XF2rCqZSjwTf%22%2C%22id%22%3A%223CD8C53D036D48B952-MEMORIES_OF_COLLAPSE%22%7D
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# Using IPFS

- Automated upload of NFT Metadata & Image to IPFS
- Multiple gateways (US, EU)



# Using Textile

- Synchronizing state of NFT from chain
- Save Emotes (emojis) for NFTs
- Manages packs (collection from Instagram)
- You don't need to sync on-chain state by yourself





# Happy NFT minting



**Mint your NFT**

[nft.kodadot.xyz/](https://nft.kodadot.xyz/)

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