



DIGITAL DA VINCI –
When Arts meet Web3 and AI

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HOW IT DESCRIBES A DIGITAL ASSET

How do we turn Art into a "Digital Asset"?

In the physical world, you sign a painting to prove it's yours. In the digital world, we use code. Follow the 4-step process to understand how ERC721 contracts and Polygon work.

1 The Digital Asset

What is it?

Your artwork is a file (JPG, PNG, MP4). But on the blockchain, we don't usually store the image itself because it's too large and expensive.

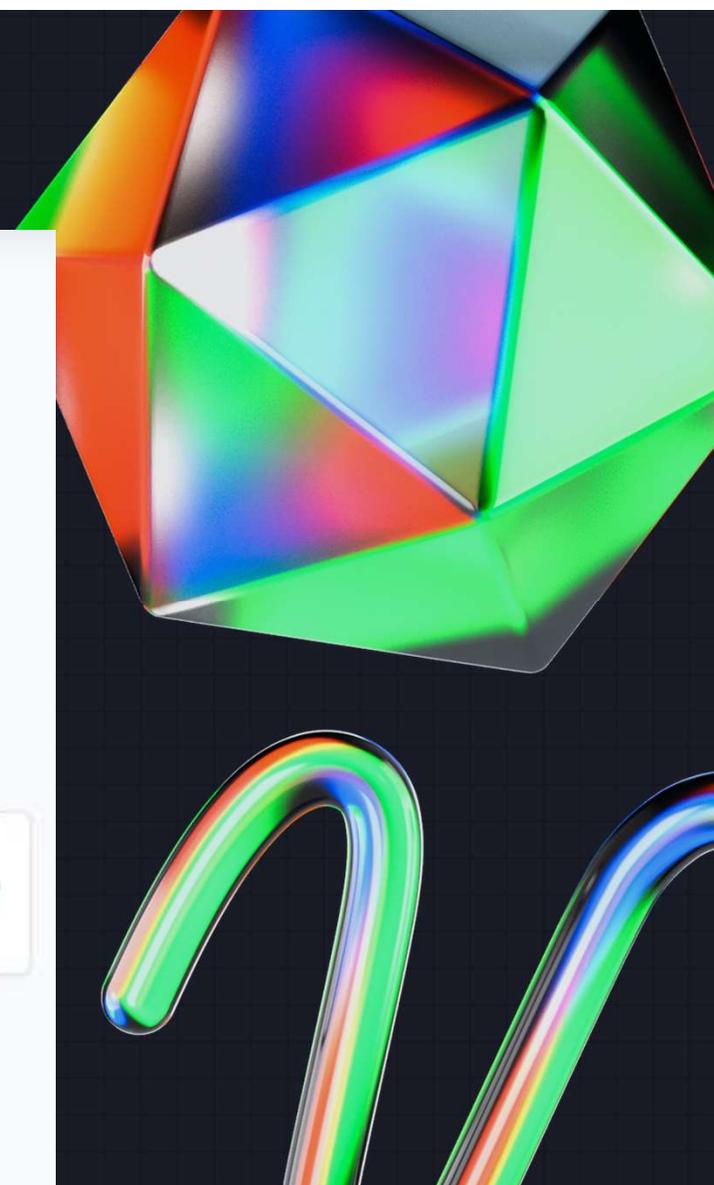


my_artwork.png (5MB)

THE CHALLENGE

If you just send a file, anyone can copy-paste it. How do we prove ownership?

→ We need a Description (Metadata)



HOW IT DESCRIBES A DIGITAL ASSET

2 Describing the Asset (Metadata)

To create an NFT, we create a **JSON file**. This is the "ID Card" of your art. It describes the asset using a standard format that the blockchain can read.

Interactive Editor

NAME OF ARTWORK

Cyber-Mona Lisa

DESCRIPTION

A digital reimagining of the classic masterpiece.

```
// This is what the blockchain actually links to!
{
  "name": "Cyber-Mona Lisa",
  "description": "A digital reimagining of the classic masterpiece.",
  "image": "ipfs://QmYu7...",
  "attributes": {
    { "trait_type": "Artist", "value": "Student" }
  }
}
```