# 558.https://stackoverflow.com/questions/70043796/can-i-import-nfts-metadata-into-a-smart-contract

**T:**Can I import NFT's metadata into a smart contract?

**Q:**When we want to mint an NFT with its own metadata, the asset file and JSON file should be uploaded to IPFS before the minting.And we mint a new NFT by sending transactions to the smart contract and within the transaction, the token URI(hashed URI from IPFS) would be set as JSON metadata URI of the token.  
  
Now I am wondering whether there is a way to import the attributes from JSON on IPFS into a smart contract and use the data like const variables in the contract.

1 **Answer**

**A1:**You can do it but it is going to cost you alot. You need to create a mapping in smart contract.  
  
 mapping(string ->Metadata) private tokenURIToMetadata  
  
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Since it is mapped from string, it cannot be public. so create a function  
  
 function getMetadata(string tokenUri) public returns(Metadata){ return tokenURIToMetadata[tokenUri] }  
  
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also create Metadata struct:  
  
struct Metadata{ string name; string description; string image; }  
  
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And then you have to add new medata to the mapping:  
  
function addMetada(string memory tokenUri,?????????){}  
  
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Since we cannot pass json object as an argument to the addMetada, now you have to create a separate mapping for each property of the metadata object. So the cost will be crazy amount.  
  
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Instead, you could write the metadata to the filesystem or database but this would not be a good option.