# 397.https://stackoverflow.com/questions/71254617/set-token-uri-function

**T:**set token URI function

**Q:**I understood that setTokenURI function isn't in use anymore. How can I change the token URI of the NFT token I want to create?for now my function createCollectible inside the smart contract looks like this:  
  
function createCollectible(string memory tokenURI) public returns (uint256){ uint256 newItemId = tokenId; \_safeMint(msg.sender, newItemId); \_setTokenURI(newItemId, tokenURI); tokenId = tokenId + 1; return newItemId;}  
  
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1 **Answer**

**A1:**\_setTokenURI is still used but it is moved to the ERC721URIStorage. Here is the openzeppelin link  
  
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When you create your contract, you should inherit:  
  
contract NFT is ERC721URIStorage { }  
  
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Since calling it an expensive operation, team wants you to use tokenUri function in ERC721:  
  
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function tokenURI(uint256 tokenId) public view virtual override returns (string memory) { require(\_exists(tokenId), "ERC721Metadata: URI query for nonexistent token"); string memory baseURI = \_baseURI(); return bytes(baseURI).length > 0 ? string(abi.encodePacked(baseURI, tokenId.toString())) : ""; }  
  
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this is \_baseUri() which is inherited from ERC721. It is virtual so that you can override it inside ERC721URIStorage and change it from "" to anything you want.  
  
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function \_baseURI() internal view virtual returns (string memory) { return ""; }  
  
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this time you need to inherit from ERC721  
  
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 contract NFT is ERC721{ function \_setTokenURI(uint256 tokenId, string memory \_tokenURI) internal virtual { require(\_exists(tokenId), "..."); \_tokenURIs[tokenId] = \_tokenURI; } }  
  
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They both have different use cases: Discussed Here

**C1:**So I need to use in my smart contract tokenURI function from ERC721 or setTokenURI from the ERC721URIstorage?

**C2:**either of them. each has its own use case and discussed here: forum.openzeppelin.com/t/…

**C3:**Thanks. Another question is why \_setTokenURI is more expensive that tokenURI as you mentioned above?

**C4:**ERC721URIstorage stores data for tokenURI on-chain @OmerS , this might be one of the reason.