# 327.https://stackoverflow.com/questions/71579073/get-current-token-owner-for-a-given-nft-contract

**T:**Get Current Token Owner for a given NFT Contract

**Q:**I am attempting to cross-reference my local database and confirm ownership of an NFT token. I have the contract address and the users wallet address and Im trying to get a returned array of all current tokens owned by that user for that given contract. If I visit the etherscan contract page I can manually enter the address of the given wallet and get just what I need:  
  
  
  
Is there a simple API I can use to get just the current owner of all tokens under a contract? I tried the api from Etherscan below however that doesn't return current ownership, but a list of the transactions.  
  
https://api-rinkeby.etherscan.io/api?module=account&action=tokennfttx&contractaddress=0x1481e948f2cc7886D454532714D011A7D8e9ec2e&address=0xe93FBC84f5743Ec68a03260f4A9A23c708593d02&page=1&offset=10000&startblock=0&endblock=27025780&sort=asc&apikey=$myapikey

**C1:**Does this answer your question? how can we get token holders from token?

2 **Answer**

**A1:**Try using to OpenSea's Retrieving assets endpoint.  
  
const { data } = await axios.get( `https://api.opensea.io/api/v1/collections?asset\_owner=${userAddress}`, { headers: { Accept: "application/json", "X-API-KEY": process.env.OPENSEA\_API, }, });  
  
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This returns an array of a given user's assets.  
  
Another option is to Get a list of 'ERC721 - Token Transfer Events' by Address using Etherscan API  
  
const tokenTransfersByAddress = async (contractaddress, address) => { try { const options = { method: "GET", url: "https://api.etherscan.io/api", params: { module: "account", action: "tokennfttx", contractaddress, address, page: "1", offset: "10", sort: "asc", apikey: process.env.ETHERSCAN, }, }; const { data } = await axios.request(options); return data.result; } catch (error) { console.log(error); return []; } };  
  
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This returns an array of transactions a given user has made.  
  
Hope this helps!

**A2:**You can use a simple tool holders.at to take and export all NFT token holders at any block. It supports Ethereum and Polygon collections.