# 453.https://stackoverflow.com/questions/70923875/solana-spl-token-transfer-python

**T:**Solana spl token transfer python

**Q:**I need to automatically transfer NFT from one wallet to another. I'm using python and couldn't find information anywhere on how to do this. Here is an example transaction https://solscan.io/tx/4JaLzHB44rBA74YiFV2kjDeVu79qWdvcwDiuDdwML9XtysXHchwWwMN4KuGuJph83m8JH56cgXEMMCC2u3cuxqPM . The only thing I could find is this How to transfer custom token by '@solana/web3.js' but I'm very far from JS. As I understand it, I need to create something like splToken.Token.createTransferInstruction but I could not find an analogue for python. And I also don’t understand what token they are transferring, because I don’t see the token id anywhere. If someone can help - I will be very grateful. thanks in advance.  
  
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1 **Answer**

**A1:**In python, you can use the SPL token client included in the solana-py repo at https://github.com/michaelhly/solana-py/tree/master/src/spl/token  
  
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To do the transfer, based on the example transaction that you linked, you use:  
  
 ● token id / mint: Crh6XxeJoKGVbCKaCXzD57pkUv5vYwgW3acnKWP91bWV  
  
 ● source account: AqCV7nMqWY8TnN9VqNrdvGNcchHjkbZfjSoLXSTeE9Fb  
  
 ● destination account: vLswbP3WbNRyE4FBaj7GdQj3hG5CKgJGw9fEGaA165z  
  
 ● source account owner / authority: 5j22en4YDzDNzmGm7WWVxxYGDQ3Y873p7joVbKncZ1Ke  
  
 ● amount: 1  
  
This gives you:  
  
from spl.token.constants import TOKEN\_PROGRAM\_IDfrom spl.token.instructions import transfer\_checked, TransferCheckedParamsfrom solana.rpc.commitment import Confirmedfrom solana.rpc.api import Clientfrom solana.rpc.types import TxOptsfrom solana.keypair import Keypairfrom solana.publickey import PublicKeyfrom solana.transaction import Transactiontransaction = Transaction()transaction.add( transfer\_checked( TransferCheckedParams( program\_id=TOKEN\_PROGRAM\_ID, source=new PublicKey("AqCV7nMqWY8TnN9VqNrdvGNcchHjkbZfjSoLXSTeE9Fb"), mint=new PublicKey("Crh6XxeJoKGVbCKaCXzD57pkUv5vYwgW3acnKWP91bWV"), dest=new PublicKey("vLswbP3WbNRyE4FBaj7GdQj3hG5CKgJGw9fEGaA165z"), owner=new PublicKey("5j22en4YDzDNzmGm7WWVxxYGDQ3Y873p7joVbKncZ1Ke"), amount=1, decimals=0, signers=[] ) ))client = Client(endpoint="https://api.mainnet-beta.solana.com", commitment=Confirmed)owner = Keypair() # <-- need the keypair for the token owner here! 5j22en4YDzDNzmGm7WWVxxYGDQ3Y873p7joVbKncZ1Keclient.send\_transaction( transaction, owner, opts=TxOpts(skip\_confirmation=False, preflight\_commitment=Confirmed))  
  
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Here's an integration test using transfer\_checked, same as the SolScan transaction that you linked: https://github.com/michaelhly/solana-py/blob/f41f020938d1fb257142f18608bcb884adb54479/tests/integration/test\_token\_client.py#L231  
  
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**C1:**While this link may answer the question, it is better to include the essential parts of the answer here and provide the link for reference. Link-only answers can become invalid if the linked page changes. - From Review

**C2:**Noted, edited to add a full example

**C3:**I have updated the answer, This answer is no longer valid. Its a great starting point though. stackoverflow.com/questions/72665347/…