# 55.https://stackoverflow.com/questions/73228906/can-i-get-nft-metadata-from-the-accountinfo-address-in-solana-rust-program

**T:**Can I get nft metadata from the <AccountInfo> address in solana rust program?

**Q:**I've noticed that metaplex got API for platforms like JS, iOS, Android and all of them are documented great, except RUST :)  
  
For example all of apis above got something like getNftByMint with output of mine nft data with all metadata inside  
  
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But checking all the rust/solana/anchor crates and docs I didn't find any way how to get metadata from metadataAccount right in the rust program, in instance to check some params of some nfts and do something)  
  
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The only way I found is below, but even if I tried to mitigate this error adding match and so on, still I got the same error message, But without from\_account\_info this error dissapears.  
  
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In rs program i got:  
  
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pub fn get\_metadata\_by\_pubkey(ctx: Context<GetMetadataByPubkey>) -> Result<()> { let account = ctx.accounts.metadata\_pubkey.to\_account\_info(); let metadata: Metadata = Metadata::from\_account\_info(&account)?; ...  
  
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And in ts file:  
  
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it("Is get\_metadata\_by\_pubkey", async () => { const pk: PublicKey = new PublicKey("<public key of my nft's metadata account>"); await program.methods.getMetadataByPubkey().accounts({ metadataPubkey: pk }).rpc();});  
  
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And I got this error, after running anchor test:  
  
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Error: failed to send transaction: Transaction simulation failed:Error processing Instruction 0: Program failed to complete

1 **Answer**

**A1:**from\_account\_info is the correct way of doing it. Here is an example of a program that uses it https://github.com/Bonfida/dex-v4/blob/main/program/src/processor/create\_market.rs#L154  
  
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However, you need to make sure the metadata account is initialized before trying to deserialize, which can be done with something like accounts.token\_metadata.data\_len() != 0  
  
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