

Program Account don't have a private key and can't sign a transaction itself Instead every Program Account has an **Upgrade Authority** which is a Wallet Acount

Upgrade Authority is the one that is allowed to sign for the program and modify data in there

- Every Account has an owner which should be a Program Account that is the only entity that can modify any field of it's slave account (Technically it can be User Account too, but as User Accounts aren't executable it won't be able to send modifying transactions to the Account, neither will it be able to reassign the Account owner which is the ability of every Program Account)
- You can't reassign account's owner unless account's data field is 0 (It is logical, Porgram Account becomes owner of a new account trustlessly as there is no data inside)
- Every User Account's owner is SystemProgram
- SystemProgram is a **Native Account**
- Program Accounts and Native Accounts are **Executable** unlike User Accounts
- Every Program Account's owner is BPFLoader Native Account
- Both BPFLoader and SystemProgram are owned by special User Account (which is an exception) called NativeLoader which is by himself owned by SystemProgram

Account Fields in Solana
Public Key
Owner
Lamports
Data
Executable
Rent Epoch

