

Sign-up for Jito

1. Goto this website: <https://web.miniextensions.com/WV3gZjFwgNgITsMufIEp>.
 - Fill Contact Email, Telegram Handle (Telegram username), Twitter Handle (Twitter username), Github Username, Discord handle (Discord username).
 - Do you use geysers? Yes.
 - API Pubkey for Bundles (This will be your jito authentication key):

- Create a new keypair. Get the public key (also known as wallet address) of the keypair and paste it here.

- Do you want Shred Stream?:

- Create a new keypair. Get the public key (also known as wallet address) of the keypair and paste it here.

2. Wait for 1 to 3 days and you will get an email. Example:

You are set up for bundles and ShredStream.
Your pubkey was added so you are all setup to start submitting bundles. Best place to get started is here: Gitbook
Let us know in Discord if any questions (invite).

Install necessary softwares

- NodeJs: goto this website (<https://nodejs.org/en/download>), download nodejs from it and install it.
- Vs Code: goto this website (<https://code.visualstudio.com/download>), download vs code from it and install it.

Config file setup (config.ts OR src > config.js)

Note: Infront of all required variables clearly mentioned what is required but i ll still explain it here...

1. BlockEngineUrl: There are 4 different block engines (<https://jito-labs.gitbook.io/mev/searcher-resources/block-engine/mainnet-addresses>). Pick the one thats closest to you.
 - <https://amsterdam.mainnet.block-engine.jito.wtf>
 - <https://frankfurt.mainnet.block-engine.jito.wtf>
 - <https://ny.mainnet.block-engine.jito.wtf>
 - <https://tokyo.mainnet.block-engine.jito.wtf>
2. jito_auth_private_key: Remember this? API Pubkey for Bundles (This will be your jito authentication key): Copy the private key for this wallet and replace it with aaaaaaaaaaaaaaaaaa .
3. wallet_2_pay_jito_fees: Create a wallet and add 10 or 20 dollars of sol in it. This wallet will be used for jito tips (fees). Copy the privat key of wallet and replace it with aaaaaaaaaaaaaaaaaa .

4. `LP_wallet_private_key`: The wallet private key for which the pool is being created, replace `aaaaaaaaaaaaaaaa` with private key.
5. `swap_wallet_private_key`: The wallet private key in which you want to buy coins, replace `aaaaaaaaaaaaaaaa` with private key.
6. `rpc_https_url`: Goto Helius, Buy developers plan and replace `http://mainnet.helius-rpc.com/?api-key=aaaaaaaaaaaaaaaaaaaaaa` with your helius https mainnet url. You can use [Rented nodes](#) also.
7. `market_id`: Market id of the coin you just created. Replace `aaaaaaaaaaaaaaaaaag6snCe2iUR3A` with your Market Id.
8. `input_baseMint_tokens_percentage`: This is basically where you enter the Base Token Initial Liquidity by percentage. Do you wish to add all tokens 100% or 90% or 10%. You must enter value for percentage from 0.1 to 1.
9. `delay_pool_open_time`: By default it is set to 0 seconds which means as lp has been added pool will open.
 - Example, I want to add 10 seconds delay so you it will be `Number(10)`
10. `quote_Mint_amount`: This is where you enter `Quote Token Initial Liquidity`. Note that this is not by percentage so you must enter exact amount of solana. I have set it by default to 0.5 SOL initial liquidity.
11. `LP_remove_tokens_percentage`: How much percentage of liquidity do you wish to remove? By default i have set to 1 which means 100%.
12. `LP_remove_tokens_take_profit_at_sol`: Example, I want to remove liquidity in pool when total liquidity in pool is worth 2 SOLs.
13. `swap_sol_amount`: How much is your investment in SOL for buying tokens initially with add lp? By default i have set it to 0.5 SOLs.
14. `sell_swap_tokens_percentage`: How much percentage of the tokens do you want to sell when the swap tokens worth reaches your limit in (Point 15). By default it is set to 0.5 which means 50% of tokens that you have bought with `swap_wallet_private_key`.
15. `sell_swap_take_profit_ratio`: Example, I want to sell the tokens when worth of your coins reaches 2x or 1.5x. By default i have set it to 2 which means 2x.
16. `sell_remove_fees`: Fees that you would like to set for the sell and remove lp transactions, I suggest using default that i have set or use even much higher. 5000000 Lamports = 0.005 SOLs. The default fees tested in real-time and also the video gave around 400ms confirmation time.

Types of nodes and speed

Note: I do not provide any service for nodes, this topic is for clients who come back and complain to us that snipers were able to sell before they could sell or remove liquidity OR the transactions took more than 1 second while these clients are using low fees and public nodes.

- If you wish to improve your sell and remove transactions. You must setup your own validator and run it, rather than relying on public/rented nodes. Thats how all these snipers are sniping your coins at much faster rate. Costs between 600 to 1200 dollars per month.
- Please note that buying a membership on public nodes like helius, quicknode and so on does not give you speed. It will increase your requests per second only.
- Rented nodes are expensive because they have limited users. Do not buy rented nodes for which the NFT slots are above 500. You can rent a node by going through `my discord server > useful-servers channel > Join gib sauce server` and check out the sniper resources. Rented nodes costs between 5 to 10 Sols 1st time payment, then recurring 100 to 200 USD payments.

Setup the project (Source code project)

1. Unzip it.
2. Open command prompt in project directory and run the command `yarn` . Press Enter. It will install all the necessary packages for the project.
3. Open the project with Vs code and open the file `pool.ts`
4. Press `f5`.
5. Project will start running.

Setup the project (Compiled project)

1. Unzip it.
2. Open command prompt in project directory and run the command `yarn` . Press Enter. It will install all the necessary packages for the project.
3. Enter `node ./src/pool.js` into command prompt and hit enter.
4. Project will start running.

Commands while project has started running (Fail safe)

These are fail safe commands, in the cases where LP or Swap worth did not reach the desired limits. You can enter them to remove or sell directly.

1. `sell_all_now` : If you want to sell your tokens, then enter this value into command prompt and press enter.
2. `remove_all_lp_now` : If you want to remove all liquidity, then enter this value into command prompt and press enter.