

MATRIX NODE DEPLOYMENT GUIDE FOR WINDOWS

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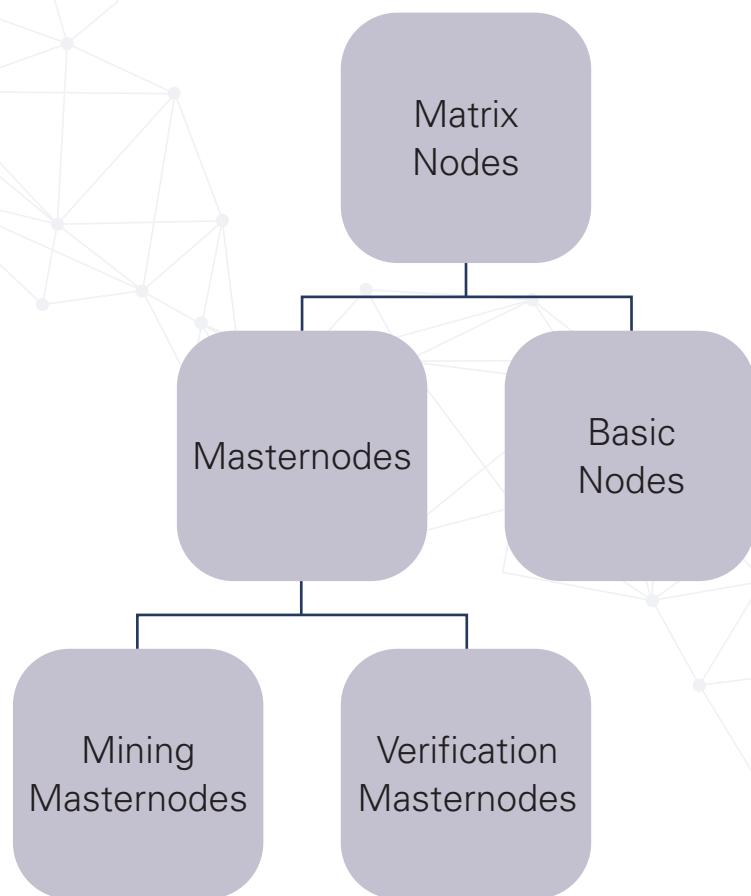
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Thank you for supporting the Matrix AI Network by choosing to become a node! This article details how to stake and run a functioning Matrix Mining and/or Verification Masternode.

MATRIX AI NETWORK NODES: A BRIEF INTRODUCTION

The Matrix AI Network supports two types of nodes: Basic nodes and Masternodes. Basic nodes allow users to sync with the blockchain data. There are two types of Matrix Masternodes: Mining and Verification Masternodes. Both are responsible for maintaining the normal operation of the Matrix blockchain – namely, packaging and verifying transactions.



MATRIX MASTERNODES

Please pay attention to the following points

1. When pasting command into Command Prompt, please copy them line by line .Or you can open Notepad or another word processing software. Copy and paste the command into a separate document. After doing so, ensure that the entirety is a single string of text. Copy it and paste it into the Command Prompt. Please make sure that it is the same as the reference picture.
2. Please confirm that your computer's system clock time is accurate to the real world. When your computer time is out of sync with reality, you will not be able to synchronize blocks. This will impact your ability to earn block rewards.
3. A single public IP address can only support one Matrix Masternode. If you deploy multiple nodes using the same IP, only one node will be able to perform mining and verification tasks successfully.
4. To guarantee the normal operation of your Matrix Masternode, you need to ensure that you have opened Port 50505. Please refer to the 《Matrix AI Network Port 50505 Opening Guide》 .

MATRIX MASTERNODES

There are three basic steps to launching a Matrix Masternode:

1. Prepare two Matrix wallets
2. Deploy your Masternode
3. Stake Tokens

1. PREPARE TWO MATRIX WALLETS

While not an absolute necessity, it is recommended to use two Matrix wallets when deploying a Masternode. This will make your Masternode more secure. You will need to have access to these wallets' keystore files. You can open new wallets and download related keystore files as necessary using the Matrix Web Wallet (<http://wallet.matrix.io/>).

For the purpose of this guide, your two wallets will be identified as followed:

- Wallet A: Your existing Matrix wallet that holds all your MAN tokens
- Wallet B: A brand new wallet created for the purpose of deploying a Masternode

As a general strategy, after successfully setting up your node, we suggest keeping Wallet A in a safe place as this wallet will receive the block rewards. Wallet B can be used

MATRIX MASTERNODES

to manage daily Masternode activities and will not hold and MAN tokens.

2. DEPLOY YOUR MASTERNODE

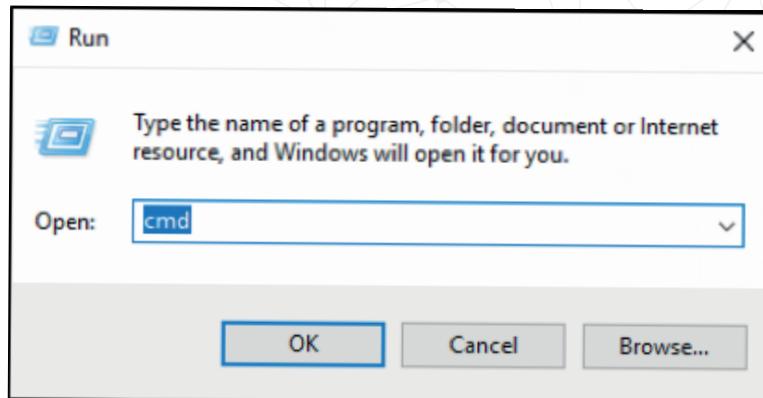
Please note that the following steps will need to be repeated every time the Matrix team updates the gman(windows).zip package.

STEP 1: DOWNLOAD GMAN(WINDOWS).

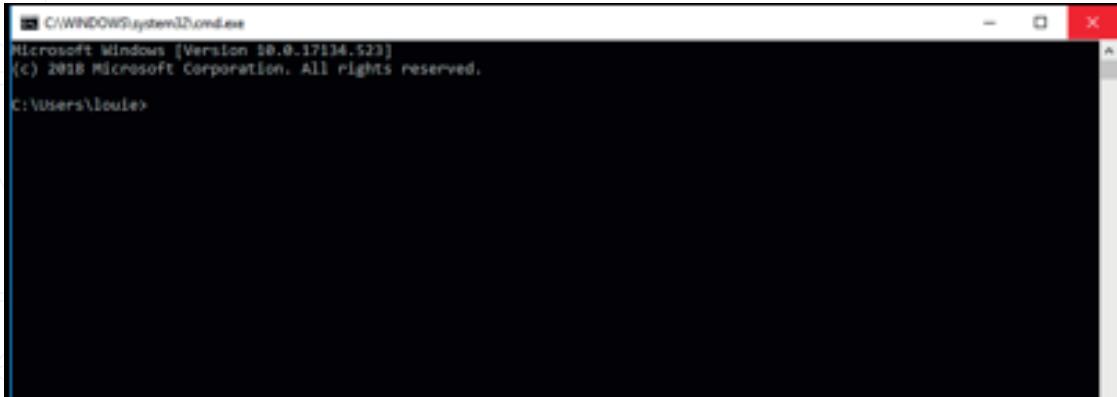
1. Download and save the gman(windows).zip package. Up-to-date versions can be downloaded from the Matrix website (<https://www.matrix.io/downloads/>).
2. Decompress the package using Windows or another file archiver software.
3. Save the folder contained therein. The folder can be saved anywhere. This guide will assume that it was saved to your desktop.

STEP 2: PRIME YOUR COMPUTER

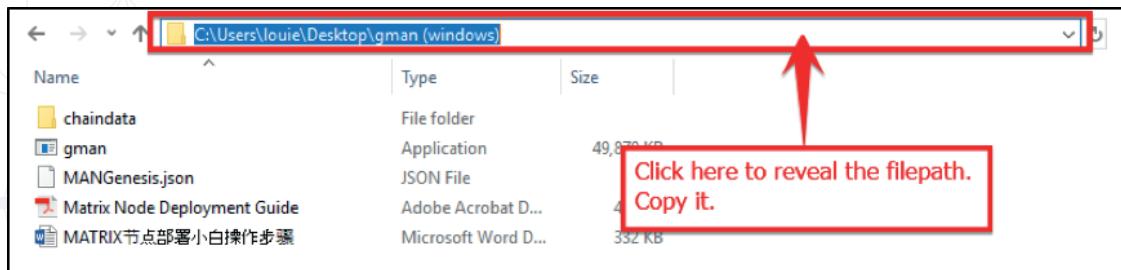
1. Open your system's Command Prompt. This can be done by first clicking "Windows Key + R" and typing "cmd" into the resulting dialog box. Click "OK".



MATRIX MASTERNODES

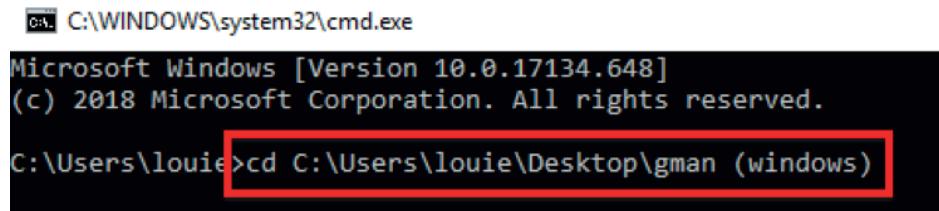


2. Locate the “gman (Windows)” folder. Click the address bar to reveal the filepath. Copy it.



3. Return to the Command Prompt window. If you saved the “gman (Windows)” folder on your C drive, confirm that Command Prompt indicates that it is engaging with the C drive. If you saved the “gman (Windows)” folder elsewhere, confirm that Command Prompt is engaging with the relevant drive. For example, if you saved the “gman (Windows) folder on the D drive, type “D:” into the Command Prompt window.

4. Enter “cd ” then paste the recently copied file path. Please note the space after the d in “cd ” .



MATRIX MASTERNODES

5. Click Enter.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)

C:\Users\louie\Desktop\gman (windows)>
```

6. Copy

"gman.exe --datadir chaindata\ init MANGenesis.json",
while omitting the apotrophes. Paste it in the
Command Prompt window.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)

C:\Users\louie\Desktop\gman (windows)>gman.exe --datadir chaindata\ init MANGenesis.json
```

7. Press Enter. A string of data should appear after a few
seconds.

```
C:\WINDOWS\system32\cmd.exe
INFO [04-12|17:33:24.166] [40] Geneis
INFO [04-12|17:33:24.184] [41] Geneis
INFO [04-12|17:33:24.190] [42] Geneis
INFO [04-12|17:33:24.199] [43] Geneis
INFO [04-12|17:33:24.224] [44] Geneis
INFO [04-12|17:33:24.242] [45] Geneis
INFO [04-12|17:33:24.250] [46] Geneis
INFO [04-12|17:33:24.261] [47] Geneis
INFO [04-12|17:33:24.266] [48] Geneis
INFO [04-12|17:33:24.281] [49] Geneis
INFO [04-12|17:33:24.289] [50] Geneis
INFO [04-12|17:33:24.298] [51] Geneis
INFO [04-12|17:33:24.305] [52] Geneis
INFO [04-12|17:33:24.311] [53] Geneis
INFO [04-12|17:33:24.319] [54] Geneis
INFO [04-12|17:33:24.336] [55] Successfully wrote genesis state
hash=6c53c4...49b8e4

InterestCalcCfg=1
LotteryCalcCfg=1
SlashCalcCfg=1
BlkRewardCfg="&{MinerMount:3 MinerAttenuationRate:8500 MinerAttenuationNum:5000000 ValidatorMount:5 ValidatorAttenuationRate:8500 ValidatorAttenuationNum:5000000 RewardRate:{MinerOutRate:4000 ElectedMinerRate:5000 FoundationMinerRate:10000 LeaderRate:4000 ElectedValidatorsRate:5000 FoundationValidatorRate:1000 OriginElectOfflineRate:5000 BackupRewardRate:5000}"
TxRewardCfg="&{MinersRate:0 ValidatorsRate:10000 RewardRate:{MinerOutRate:4000 ElectedMinerRate:6000 FoundationMinerRate:0 LeaderRate:4000 ElectedValidatorsRate:6000 FoundationValidatorRate:0 OriginElectOfflineRate:5000 BackupRewardRate:5000}"
LotteryCfg="&{LotteryInfo:[{PrizeLevel:0 PrizeNum:1 PrizeMoney:0}]}"
InterestCfg="&{RewardMount:2 AttenuationRate:8500 AttenuationPeriod:5000000 PayInterval:3600}"
SlashCfg="&{SlashRate:7500}"
VIPCfg="[{MinMoney:0 InterestRate:5 ElectUserNum:0 StockScale:1000} {MinMoney:1000000 InterestRate:10 ElectUserNum:3 StockScale:1000} {MinMoney:10000000 InterestRate:15 ElectUserNum:5 StockScale:1000}]"
LeaderCfg="&{ParentMiningTime:20 PosOutTime:20 ReelectOutTime:40 ReelectHandleInterval:3}"
BlockProduceSlashStatsStatus=&{Number:0}
BlockProduceBlackList=&{Blacklist:[]}
BlockProduceStats=&{StatsList:[]}
BlockProduceSlashCfg="&{Switcher:true LowTHR:1 ProhibitCycleNum:2}"
BlockProduceLightChainData="&{Seq:0 Num:0}"
database=lightchaindata

C:\Users\louie\Desktop\gman (windows)>
```

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8. If your Command Prompt looks anything like the above image, you have successfully primed your computer. Congratulations!

STEP 3: CONFIGURE YOUR WALLET

Please note that this step exclusively uses Wallet B's address and keystore file.

1. If you have successfully primed your computer, there should now be a folder called "keystore" in the "chaindata" folder. The "chaindata" folder is found in the "gman (windows)" folder.

Name	Date modified	Type	Size
oman	12/04/2019 17:33	File folder	
keystore	12/04/2019 17:33	File folder	
man.json	06/03/2019 15:30	JSON File	1 KB

2. Move your Wallet B keystore file to the "keystore" folder. Please take care to ensure that this is Wallet B's keystore file.

Name	Date modified	Type	Size
UTC--2019-04-12T09_21_49.787Z--MAN.s...	12/04/2019 17:21	SRPCPU6J5AHBS...	1 KB

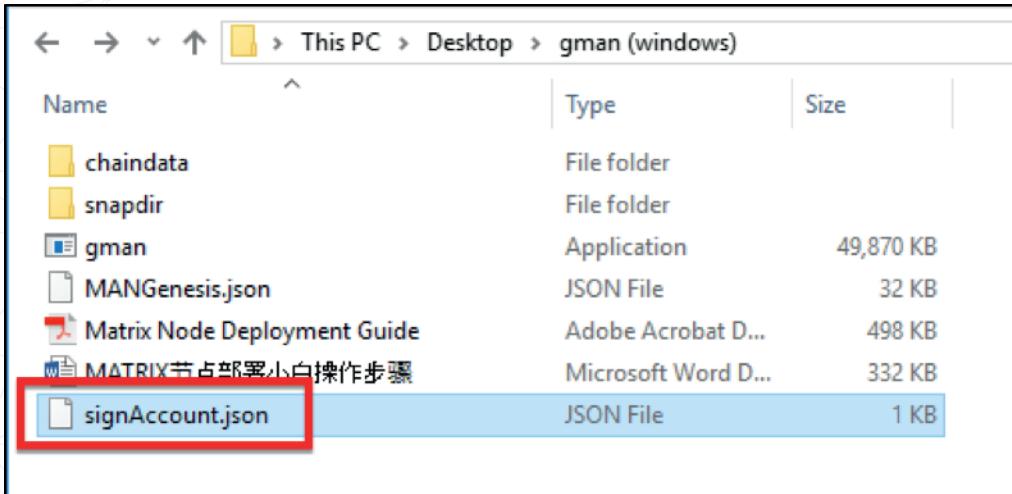
Your keystore will look similar, though not identical, to this file

MATRIX MASTERNODES

STEP 4: CONFIGURE YOUR SIGNACCOUNT

Please note that this step exclusively uses Wallet B's address and keystore file.

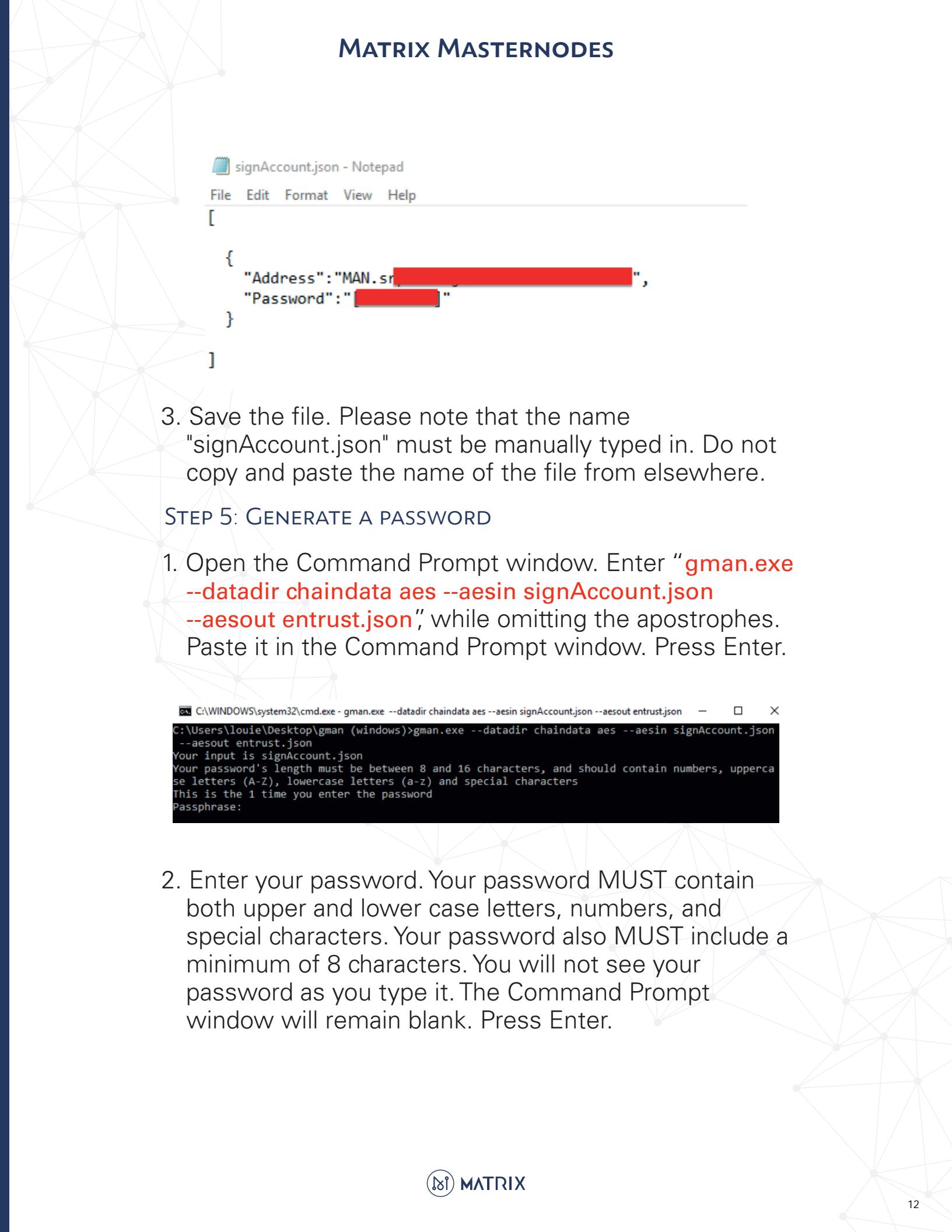
1. Create a new .txt document using Notepad or another word processing software. Name is "signAccount.json" and save it in the "gman (windows)" folder.



2. In the signAccount.json document, copy and paste the following while replacing the highlighted content with your own Wallet B address and Wallet B unlock password. Mind the brackets and apostrophes. All must be included.

```
[  
 {  
   "Address": "Wallet B address (own wallet address)",  
   "Password": "Wallet B unlock password (your own unlock code)"  
 }  
]
```

MATRIX MASTERNODES



```
signAccount.json - Notepad
File Edit Format View Help
[

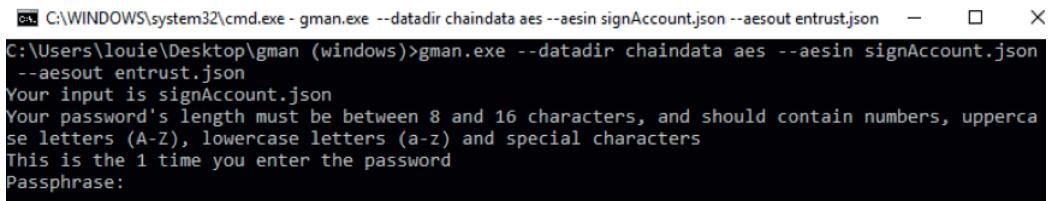
{
    "Address": "MAN.sr...",
    "Password": "[REDACTED]"
}

]
```

3. Save the file. Please note that the name "signAccount.json" must be manually typed in. Do not copy and paste the name of the file from elsewhere.

STEP 5: GENERATE A PASSWORD

1. Open the Command Prompt window. Enter "**gman.exe --datadir chaindata aes --aesin signAccount.json --aesout entrust.json**", while omitting the apostrophes. Paste it in the Command Prompt window. Press Enter.



```
C:\WINDOWS\system32\cmd.exe - gman.exe --datadir chaindata aes --aesin signAccount.json --aesout entrust.json
C:\Users\louie\Desktop\gman (windows)>gman.exe --datadir chaindata aes --aesin signAccount.json
--aesout entrust.json
Your input is signAccount.json
Your password's length must be between 8 and 16 characters, and should contain numbers, uppercase letters (A-Z), lowercase letters (a-z) and special characters
This is the 1 time you enter the password
Passphrase:
```

2. Enter your password. Your password MUST contain both upper and lower case letters, numbers, and special characters. Your password also MUST include a minimum of 8 characters. You will not see your password as you type it. The Command Prompt window will remain blank. Press Enter.

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```
C:\WINDOWS\system32\cmd.exe - gman.exe --datadir chaindata aes --aesin signAccount.json --aesout entrust.json
C:\Users\louie\Desktop\gman (windows)>gman.exe --datadir chaindata aes --aesin signAccount.json
--aesout entrust.json
Your input is signAccount.json
Your password's length must be between 8 and 16 characters, and should contain numbers, uppercase letters (A-Z), lowercase letters (a-z) and special characters
This is the 1 time you enter the password
Passphrase:
Repeat passphrase:
```

3. Enter your password again. As last time, you will not be able to see your password as you write it.
4. After successfully entering your password twice, a message containing “entrust.json” will appear. You can confirm that your password has been successfully generated by verifying that your “gman (windows)” folder now contains an “entrust.json” file.

Name	Date modified	Type	Size
chaindata	12/04/2019 17:33	File folder	
snapdir	12/04/2019 17:33	File folder	
entrust.json	12/04/2019 17:48	JSON File	1 KB
gman.exe	12/04/2019 11:42	Application	55,182 KB
MANGenesis.json	12/04/2019 11:41	JSON File	29 KB
signAccount.json	12/04/2019 17:45	JSON File	1 KB

5. After confirming that you have the entrust.json file, it is recommended that you delete the signAccount.json file.

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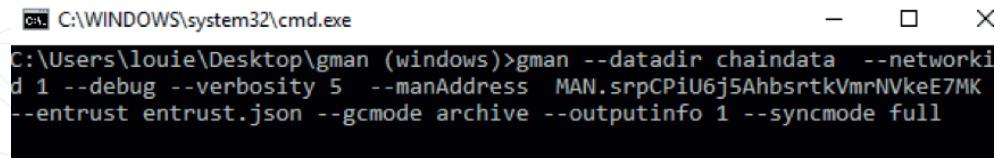
STEP 6: LAUNCH YOUR MASTERNODE

Please note that this step exclusively uses Wallet B's address and keystore file.

1. Open Notepad or another word processing software. Copy and paste the following string into a separate document and replace the highlighted section with your own Wallet B address. After doing so, ensure that the entirety is a single string of text. Copy it and paste it into the Command Prompt.

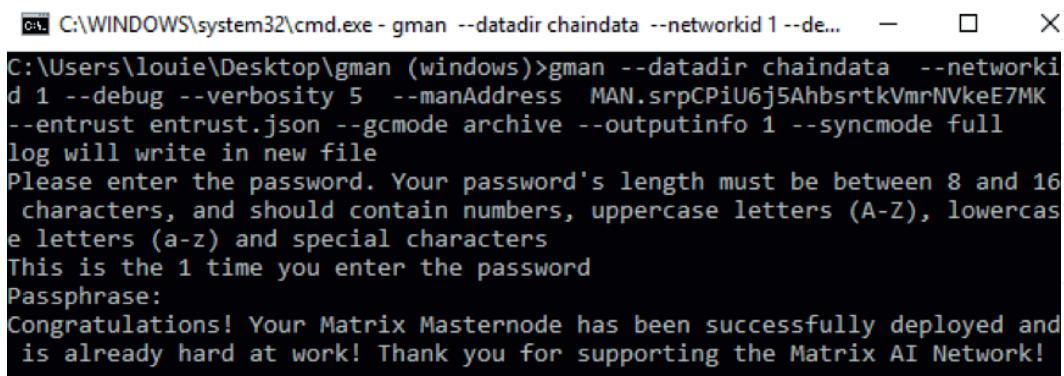
Please make sure to insert a space between manAddress and your Wallet B address.

```
gman --datadir chaintdata --networkid 1 --debug --verbosity 5  
--manAddress MAN.2sXxXxxXxXxxXxXxxxXxXxXxxxXjU --entrust  
entrust.json --gcmode archive --outputinfo 1 --syncmode full
```



```
C:\WINDOWS\system32\cmd.exe -> C:\Users\louie\Desktop\gman (windows)>gman --datadir chaintdata --networkid 1 --debug --verbosity 5 --manAddress MAN.srpCPiU6j5AhbsrtkVmrNVkeE7MK --entrust entrust.json --gcmode archive --outputinfo 1 --syncmode full
```

2. Press Enter. You will be prompted to enter the password you just set up. As before, you will not be able to see your password as you write it. Do so. Press Enter. If you mistyped your password, you will receive an error message. Don't worry. Simply follow the prompts until the ">" symbol appears.



```
C:\WINDOWS\system32\cmd.exe -> gman --datadir chaintdata --networkid 1 --de... -> C:\Users\louie\Desktop\gman (windows)>gman --datadir chaintdata --networkid 1 --debug --verbosity 5 --manAddress MAN.srpCPiU6j5AhbsrtkVmrNVkeE7MK --entrust entrust.json --gcmode archive --outputinfo 1 --syncmode full  
log will write in new file  
Please enter the password. Your password's length must be between 8 and 16 characters, and should contain numbers, uppercase letters (A-Z), lowercase letters (a-z) and special characters  
This is the 1 time you enter the password  
Passphrase:  
Congratulations! Your Matrix Masternode has been successfully deployed and is already hard at work! Thank you for supporting the Matrix AI Network!
```

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3. After entering your password, you should receive a congratulatory message after a few seconds.
Congratulations! Your node is set up
4. Please note that if you close this Command Prompt window, you will take your Masternode offline. If you do so, you need to repeat this final step to restart it.

STEP 7: VIEW YOUR MASTERNODE

1. To view the status of your Masternode, open a new Command Prompt window. Ensure that Command Prompt is engaging with the “gman (windows)” folder, as before.

```
C:\> C:\WINDOWS\system32\cmd.exe  
Microsoft Windows [Version 10.0.17134.648]  
(c) 2018 Microsoft Corporation. All rights reserved.  
C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)
```

2. Copy and paste the following into the Command Prompt.

gman attach ipc:\\.\pipe\gman.ipc

```
C:\> C:\WINDOWS\system32\cmd.exe - gman attach ipc:\\.\pipe\gman.ipc  
Microsoft Windows [Version 10.0.17134.648]  
(c) 2018 Microsoft Corporation. All rights reserved.  
C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)  
C:\Users\louie\Desktop\gman (windows)>gman attach ipc:\\.\pipe\gman.ipc  
Welcome to the Gman JavaScript console!  
  
instance: Gman/v1.0.0.0_0018ab8a1df5803e323bf259e522d6d2cac798a8/windows-amd64/go1.12  
coinbase: 0x3ef0f32bb58a042f22e56ff39e8a388f97cee0fc  
at block: 393 (Thu, 04 Apr 2019 12:52:21 CST)  
datadir: C:\Users\louie\Desktop\gman (windows)\chaindata  
modules: admin:1.0 debug:1.0 eth:1.0 man:1.0 miner:1.0 net:1.0 personal:1.0 rpc:1.0 txpool:1.0 web3:1.0
```

MATRIX MASTERNODES

3. You can enter a variety of commands here. To see what commands are available to you, enter “man.” while omitting the apostrophes then click the tab-button.
4. To view information about your received rewards and account balance, you may search your wallet address in the Matrix Blockchain Browser at <http://tom.matrix.io/>.

NOTICE:

1. If your node is unable to synchronize blocks for an extended period of time, please confirm that your computer's system clock time is accurate to the real world. When your computer time is out of sync with reality, you will not be able to synchronize blocks. This will impact your ability to earn block rewards.
2. A single public IP address can only support one Matrix Masternode. If you deploy multiple nodes using the same IP, only one node will be able to perform mining and verification tasks successfully.

3. STAKE TOKENS

Please note that this section uses both Wallet A and Wallet B's addresses and keystore files.

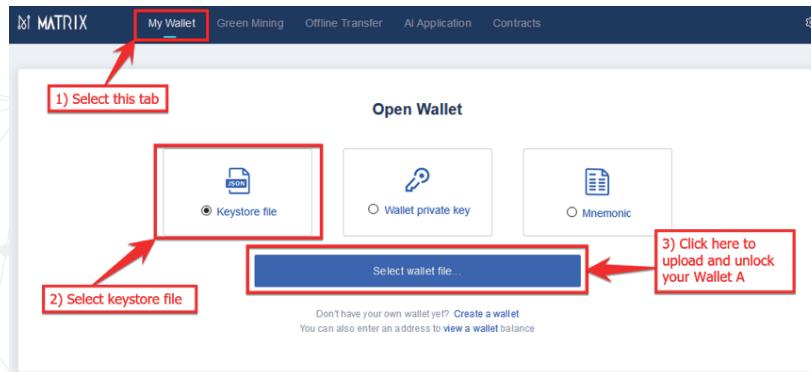
IMPORTANT: BEFORE STAKING TOKENS, YOU MUST ENSURE THAT YOUR MASTERNODE IS FULLY SYNCED. IF YOU STAKE TOKENS BEFORE YOU SYNC YOUR MASTERNODE, IT WILL NOT BE ELIGIBLE FOR SELECTION AND MAY REGISTER AS OFFLINE. THIS WILL IMPACT HOW MANY BLOCK REWARDS YOU CAN RECEIVE AND MAY RESULT IN NETWORK PENALTIES.

The Matrix web wallet allows you to stake tokens to run

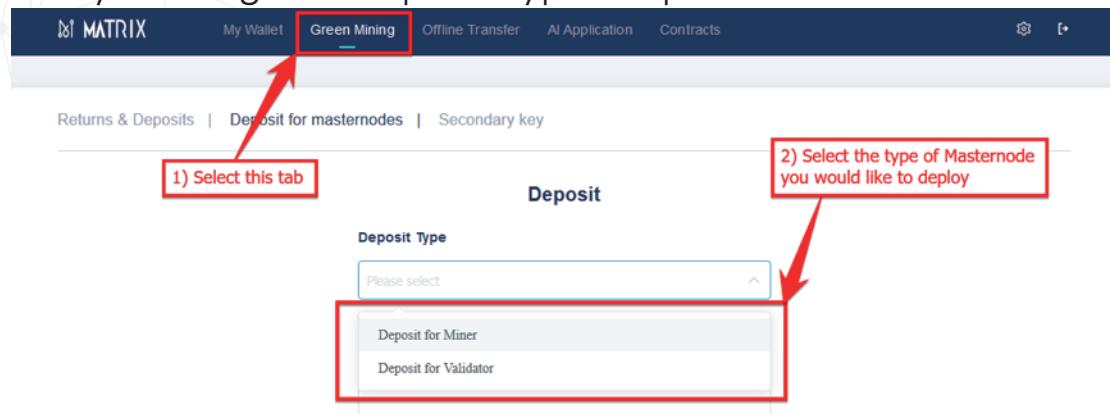
MATRIX MASTERNODES

Masternodes via the Deposit/Withdrawal tab. The wallet is accessible at <http://wallet.matrix.io/>.

1. Unlock your Wallet A on the Matrix Web Wallet (wallet.matrix.io) using the Wallet A keystore file.

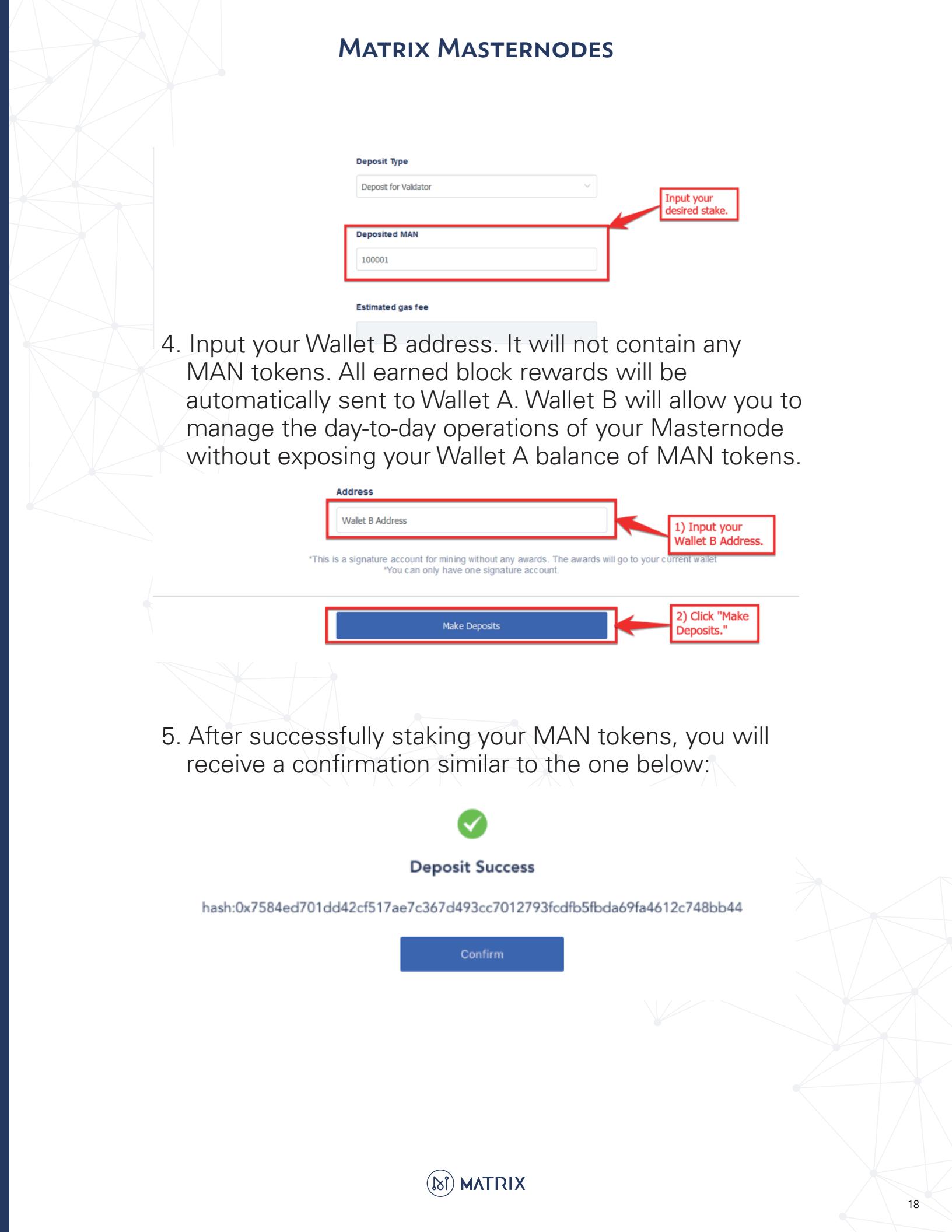


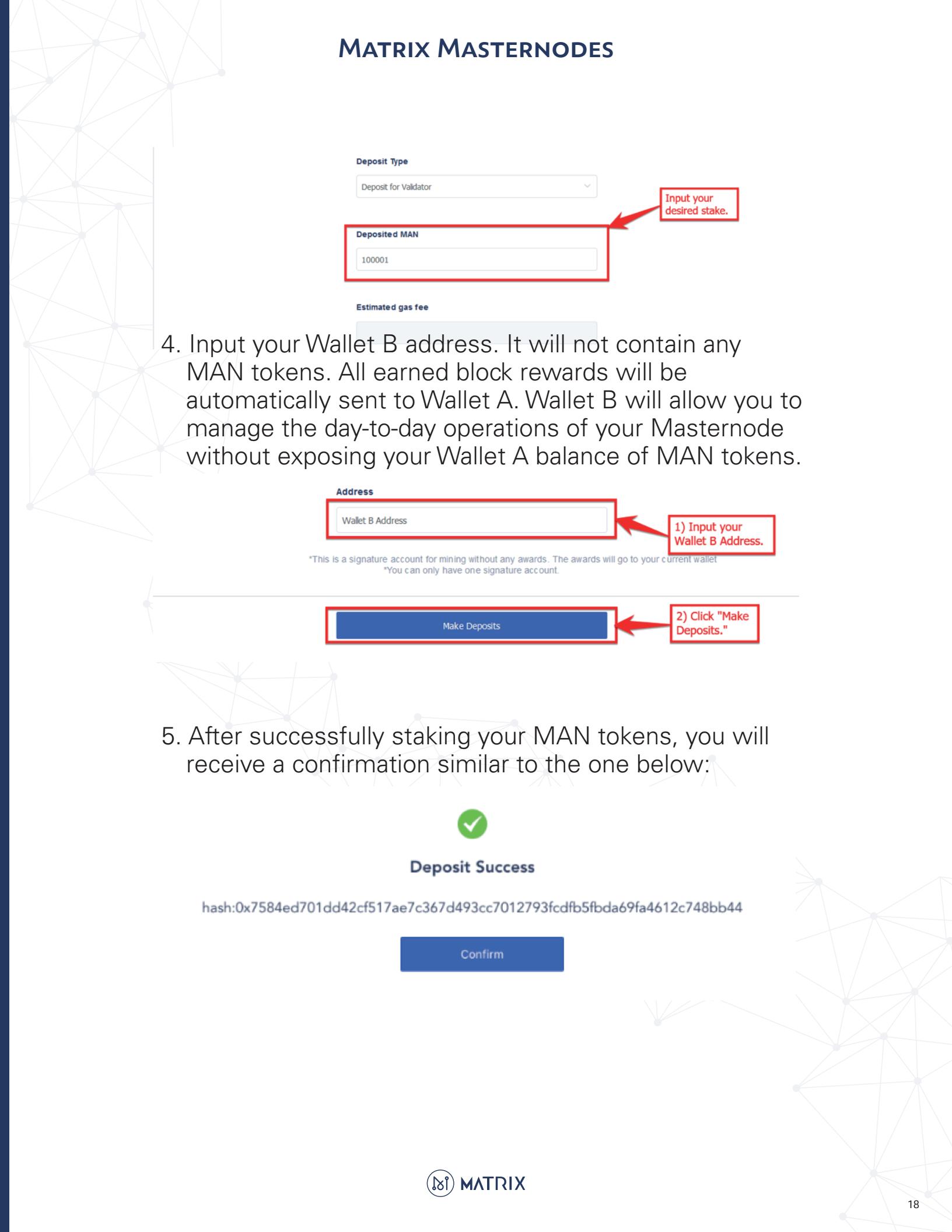
2. Click the “Green Mining” tab and select the relevant Masternode (Deposit for Miner vs Deposit for Validator) by clicking the Deposit Type drop-down arrow.

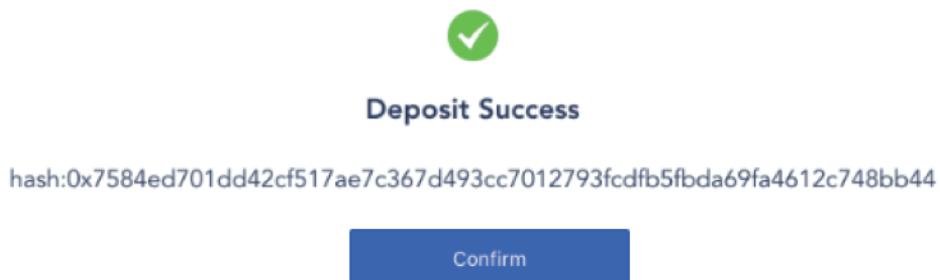


3. Enter the amount you would like to stake. Please note that you must stake at least 10,001 MAN tokens to be eligible to run a Mining Masternode. Similarly, you must stake at least 100,001 MAN tokens to be eligible to run a Verification Masternode. The additional 1 MAN token will cover any related gas fees.

MATRIX MASTERNODES

- 
4. Input your Wallet B address. It will not contain any MAN tokens. All earned block rewards will be automatically sent to Wallet A. Wallet B will allow you to manage the day-to-day operations of your Masternode without exposing your Wallet A balance of MAN tokens.
- Deposit Type
Deposit for Validator
- Deposited MAN
100001
- Estimated gas fee
- Input your desired stake.

- 
- Address
Wallet B Address
- 1) Input your Wallet B Address.
- *This is a signature account for mining without any awards. The awards will go to your current wallet.
*You can only have one signature account.
- Make Deposits
- 2) Click "Make Deposits."
5. After successfully staking your MAN tokens, you will receive a confirmation similar to the one below:



MATRIX BASIC NODES

You can also deploy a basic node without needing to stake tokens. Doing so will allow you to synchronize with the blockchain data and operate an offline account. Basic nodes do not perform mining or verification tasks, so they do not receive rewards. Matrix Basic Nodes can, however, report on malicious behavior..

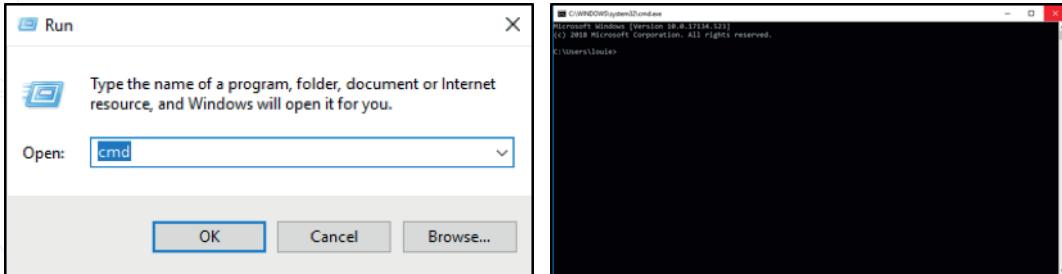
STEP 1: DOWNLOAD GMAN(WINDOWS).

1. Download and save the gman(windows).zip package. Up-to-date versions can be downloaded from the Matrix website (<https://www.matrix.io/downloads/>).
2. Decompress the package using Windows or another
3. Save the folder contained therein. The folder can be saved anywhere. This guide will assume that it was saved to your desktop.

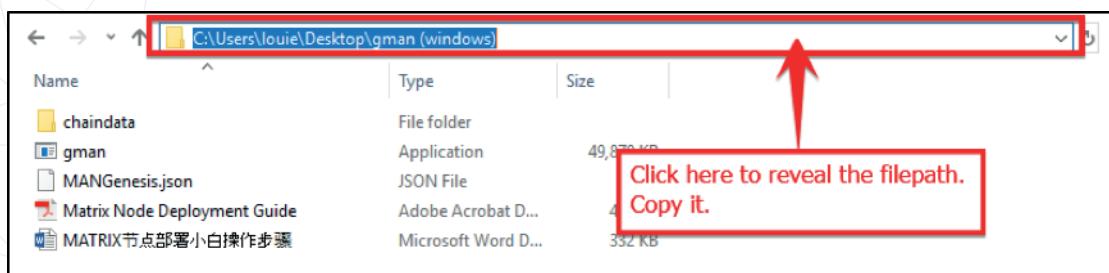
STEP 2: PRIME YOUR COMPUTER

1. Open your system's Command Prompt. This can be done by first clicking "Windows Key + R" and typing "cmd" into the resulting dialog box. Click "OK".

MATRIX BASIC NODES



2. Locate the "gman (Windows)" folder. Click the address bar to reveal the filepath. Copy it.



3. Return to the Command Prompt window. If you saved the "gman (Windows)" folder on your C drive, confirm that Command Prompt indicates that it is engaging with the C drive. If you saved the "gman (Windows)" folder elsewhere, confirm that Command Prompt is engaging with the relevant drive. For example, if you saved the "gman (Windows) folder on the D drive, type "D:" into the Command Prompt window.
4. Enter "cd " then paste the recently copied file path. Please note the space after the d in "cd ".

A screenshot of a Windows Command Prompt window. The title bar says 'C:\WINDOWS\system32\cmd.exe'. The window displays the following text:

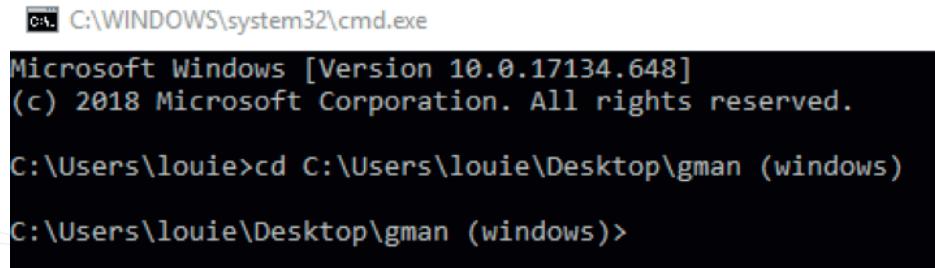
```
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)
```

The command 'cd C:\Users\louie\Desktop\gman (windows)' is highlighted with a red box.

MATRIX BASIC NODES

5. Click Enter.

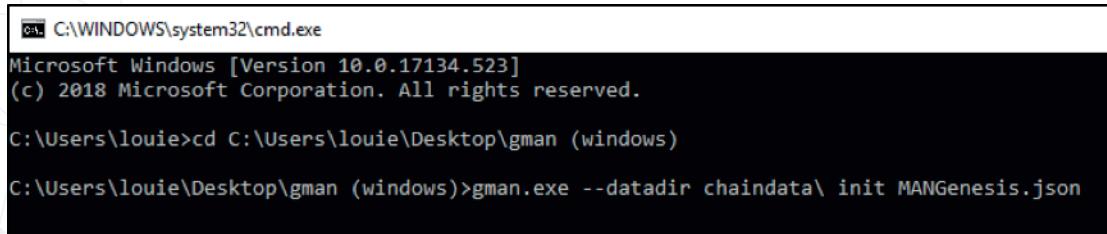


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)

C:\Users\louie\Desktop\gman (windows)>
```

6. Copy “**gman.exe --datadir chaindata\ init MANGenesis.json**”, while omitting the apostrophes.
Paste it in the Command Prompt window.

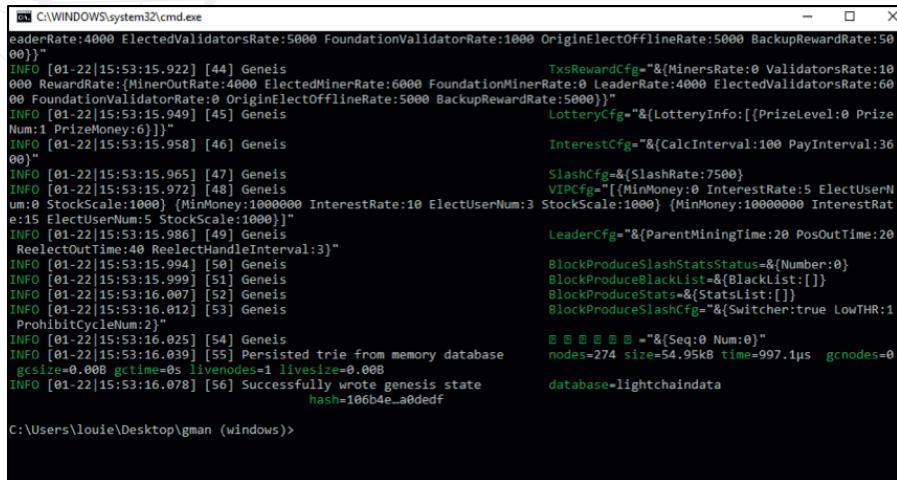


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.523]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)

C:\Users\louie\Desktop\gman (windows)>gman.exe --datadir chaindata\ init MANGenesis.json
```

7. Press Enter. A string of data should appear after a few seconds.



```
C:\WINDOWS\system32\cmd.exe
eaderRate:4000 ElectedValidatorsRate:5000 FoundationValidatorRate:1000 OriginElectOfflineRate:5000 BackupRewardRate:5000)"}
INFO [01-22|15:53:15.922] [44] Geneis TxRewardCfg="&{MinersRate:0 ValidatorsRate:1000 RewardRate:[MinerOutRate:4000 ElectedMinerRate:6000 FoundationMinerRate:0 LeaderRate:4000 ElectedValidatorsRate:6000 FoundationValidatorRate:0 OriginElectOfflineRate:5000 BackupRewardRate:5000}}"
INFO [01-22|15:53:15.949] [45] Geneis LotteryCfg="&{LotteryInfo:[{PrizeLevel:0 Prize Num:1 PrizeMoney:6}]}"
INFO [01-22|15:53:15.958] [46] Geneis InterestCfg="&{CalcInterval:100 PayInterval:3600}"
INFO [01-22|15:53:15.965] [47] Geneis SlashCfg="&{SlashRate:7500}
INFO [01-22|15:53:15.972] [48] Geneis VIRCfg="&{MinMoney:0 InterestRate:5 ElectUserNum:0 StockScale:1000} (MinMoney:1000000 InterestRate:10 ElectUserNum:3 StockScale:1000) (MinMoney:10000000 InterestRate:15 ElectUserNum:5 StockScale:1000)"
INFO [01-22|15:53:15.986] [49] Geneis LeaderCfg="&{ParentMiningTime:20 PosOutTime:20 ReelectOutTime:40 ReelectHandleInterval:3}"
INFO [01-22|15:53:15.994] [50] Geneis BlockProduceSlashStatsStatus=&{Number:0}
INFO [01-22|15:53:15.999] [51] Geneis BlockProduceBlackList=&{BlackList:[]}
INFO [01-22|15:53:16.007] [52] Geneis BlockProduceStats=&{StatsList:[]}
INFO [01-22|15:53:16.012] [53] Geneis BlockProduceSlashCfg="&{Switcher:true LowTHR:1 ProhibitCycleNum:2}"
INFO [01-22|15:53:16.025] [54] Geneis B B B B B = "&{Seq:0 Num:0}"
INFO [01-22|15:53:16.039] [55] Persisted trie from memory database nodes=274 size=54.95kB time=997.1µs gcnodes=0
INFO [01-22|15:53:16.039] [55] Persisted trie from memory database gcslice=0.008 gctime=0s livenodes=1 livesize=0.008
INFO [01-22|15:53:16.078] [56] Successfully wrote genesis state database=lightchaindata
hash=106b4e_a0defd

C:\Users\louie\Desktop\gman (windows)>
```

8. If your Command Prompt looks anything like the above image, you have successfully primed your computer. Congratulations!

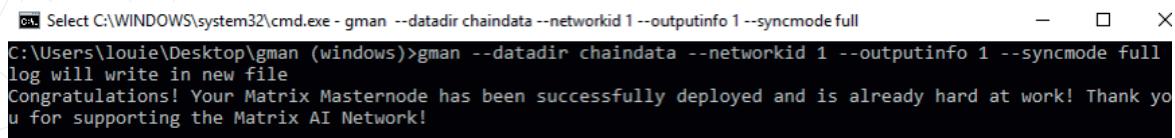
MATRIX BASIC NODES

STEP 3: LAUNCH GMAN

1. After successfully priming your computer, the following:

```
gman --datadir chaindata --networkid 1 --outputinfo 1  
--syncmode full
```

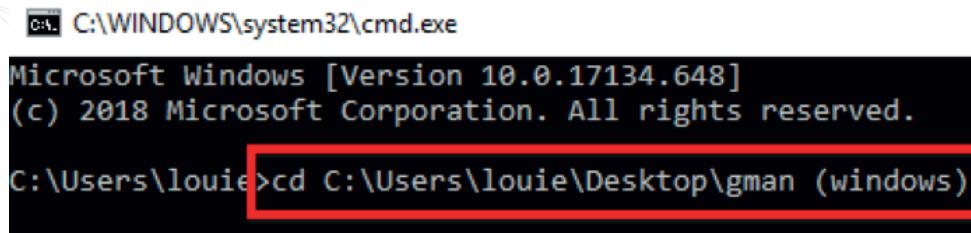
2. Click Enter. If successfully, you will receive a congratulatory message.



```
PS C:\WINDOWS\system32\cmd.exe - gman --datadir chaindata --networkid 1 --outputinfo 1 --syncmode full  
C:\Users\louie\Desktop\gman (windows)>gman --datadir chaindata --networkid 1 --outputinfo 1 --syncmode full  
log will write in new file  
Congratulations! Your Matrix Masternode has been successfully deployed and is already hard at work! Thank you for supporting the Matrix AI Network!
```

STEP 4: VIEW YOUR BASIC NODE

1. To view the status of your basic node, open a new Command Prompt window. Ensure that Command Prompt is engaging with the “gman (windows)” folder, as before.



```
C:\WINDOWS\system32\cmd.exe  
Microsoft Windows [Version 10.0.17134.648]  
(c) 2018 Microsoft Corporation. All rights reserved.  
C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)
```

2. Copy and paste the following into the Command Prompt.

```
gman attach ipc:\\.\pipe\gman.ipc
```

MATRIX BASIC NODES

```
C:\WINDOWS\system32\cmd.exe - gman attach ipc:\\.\pipe\gman.ipc
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\louie>cd C:\Users\louie\Desktop\gman (windows)

C:\Users\louie\Desktop\gman (windows)>gman attach ipc:\\.\pipe\gman.ipc
Welcome to the Gman JavaScript console!

instance: Gman/v1.0.0.0_0018ab8a1df5803e323bf259e522d6d2cac798a8/windows-amd64/go1.12
coinbase: 0x3ef0f32bb58a042f22e56ff39e8a388f97cee0fc
at block: 393 (Thu, 04 Apr 2019 12:52:21 CST)
datadir: C:\Users\louie\Desktop\gman (windows)\chaindata
modules: admin:1.0 debug:1.0 eth:1.0 man:1.0 miner:1.0 personal:1.0 rpc:1.0 txpool:1.0 web3:1.0
```

3. You can enter a variety of commands here. To see what commands are available to you, enter “man.” while omitting the apostrophes then click the tab-button.
4. To view information about your received rewards and account balance, you may search your wallet address in the Matrix Blockchain Browser at <http://tom.matrix.io/>.



**MATRIX NODE
DEPLOYMENT GUIDE**
FOR WINDOWS