# 641.https://stackoverflow.com/questions/68877009/rinkeby-contracts-deployment-error-timeout

**T:**Rinkeby contracts deployment Error: Timeout

**Q:**I was trying to follow this tutorial:  
  
https://docs.opensea.io/docs/1-structuring-your-smart-contract  
  
And even found this extremely helpful YouTube video to guide me:  
  
https://www.youtube.com/watch?v=lbXcvRx0o3Y&ab\_channel=DanViau  
  
But I've encountered a problem after installing and setting up everything I needed. The problem occured when I tried to deploy the contracts using this bash command:  
  
truffle deploy --network rinkeby  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
The error message I got is:  
  
Error: There was a timeout while attempting to connect to the network. Check to see that your provider is valid. If you have a slow internet connection, try configuring a longer timeout in your Truffle config. Use the networks[networkName].networkCheckTimeout property to do this.at Timeout.\_onTimeout (C:\Users\alonb\.nvm\versions\node\v12.22.5\bin\node\_modules\truffle\build\webpack:\packages\provider\index.js:56:1)at listOnTimeout (internal/timers.js:554:17)at processTimers (internal/timers.js:497:7)  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
It's not caused by slow internet connection - I know that because I have tried executing this command on 3 different WiFi connections, one at 200 Mb/s rate.  
  
I have tried to change the truffle-config.js file and add a longer timeout threshold (like suggested here), but the only thing that changed was that the error message took much longer to appear.  
  
Technical info - I'm using Git Bash, npm version 6.14.14, nvm version 0.38.0, node version 12.22.5.  
  
Any suggestions? I'm lost.  
  
Alon

5 **Answer**

**A1:**I also ran into this error when following the same tutorial.  
  
I use Alchemy (not Infura), and the issue was my API\_KEY.  
  
In other tutorials I've followed, the scripts require the full alchemy API Key (ex. "https://eth-rinkeby.alchemyapi.io/v2/<random-key>").  
  
So, when I was following this tutorial, that is what I supplied. And, I ran into the error you reported.  
  
But when I reviewed the truffle.js script provided by the tutorial authors, I found this:  
  
const rinkebyNodeUrl = isInfura ? "https://rinkeby.infura.io/v3/" + NODE\_API\_KEY : "https://eth-rinkeby.alchemyapi.io/v2/" + NODE\_API\_KEY;  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
Thus, the script was producing:  
  
rinkebyNodeUrl = https://eth-rinkeby.alchemyapi.io/v2/https://eth-rinkeby.alchemyapi.io/v2/<\*\*random-key\*\*>  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
...which is clearly wrong.  
  
Thus, ensuring I set my API\_KEY environment variable only to random-key and not https://eth-rinkeby.alchemyapi.io/v2/https://eth-rinkeby.alchemyapi.io/v2/<random-key>, my contract deployed successfully.  
  
Also, make sure you have enough ETH in your wallet on the Rinkeby network. Faucets always seem to work for a little while then stop working, so do some Google searches to find one that is currently functional.

**A2:**The solution is incredibly easy -  
  
Instead of using just the relevant part of the Alchemy key:  
  
40Oo3XScVabXXXX8sePUEp9tb90gXXXX  
  
I used the whole URL:  
  
https://eth-rinkeby.alchemyapi.io/v2/40Oo3XScVabXXXX8sePUEp9tb90gXXXX

**A3:**I had the same experience but when using hardhat not truffle.My internet connection was ok,try switching from Git bash to terminal(CMD).Use a completely new terminal avoid Gitbash and powershell.

**A4:**Remove the function wrapper from provider inside the network configuration.  
  
ropsten\_infura: { provider: new HDWalletProvider({ mnemonic: { phrase: mnemonic }, providerOrUrl: `https://ropsten.infura.io/v3/${project\_id}`, addressIndex }), network\_id: 3}  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]

**A5:**The rinkbery network has been decommissioned. Use Goerli or Sepolia network. Update your truffle config add a section for goerli in networks. E.g  
  
goerli: { provider: () => new HDWalletProvider( mnemonic, `https://goerli.infura.io/v3/${INFURAKEY}` ), network\_id: 5, // goerli's id gas: 4500000, // gasPrice: 10000000000,}  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
The run the command  
  
truffle deploy --network goerli  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]