# 28.https://stackoverflow.com/questions/73472391/timeout-when-communicating-with-web3-provider

**T:**Timeout when communicating with Web3 Provider

**Q:**Background  
  
I am trying to investigate and solve problems with a containerized NodeJS web service app that communicates with Avalanche Test Network (https://api.avax-test.network/ext/bc/C/rpc) in order to Mint NFTs.  
  
//...provider = new HDWalletProvider({ privateKeys: [walletPrivateKey], providerOrUrl: "https://api.avax-test.network/ext/bc/C/rpc", pollingInterval: 4000,});const myContract = Contract(Contract\_NFT);myContract.setProvider(provider);const \_instance = await myContract.at(process.env.CONTRACT\_NFT\_ADDRESS);\_instance.mint(provider.getAddress(), mintURL, { from: provider.getAddress() })//...  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
Note: I am not the developer of app.  
  
Issue  
  
After starting the container, first request completes successfully. However subsequent requests fail with code: -32603 message: 'ETIMEDOUT' error  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
at new NodeError (node:internal/errors:387:5)at Web3ProviderEngine.emit (node:events:502:17)at /app/node\_modules/web3-provider-engine/index.js:54:14at afterRequest (/app/node\_modules/web3-provider-engine/index.js:148:21)at /app/node\_modules/web3-provider-engine/index.js:174:21at /app/node\_modules/web3-provider-engine/index.js:232:9at /app/node\_modules/async/internal/once.js:12:16at replenish (/app/node\_modules/async/internal/eachOfLimit.js:61:25)at /app/node\_modules/async/internal/eachOfLimit.js:71:9at eachLimit (/app/node\_modules/async/eachLimit.js:43:36)at /app/node\_modules/async/internal/doLimit.js:9:16at end (/app/node\_modules/web3-provider-engine/index.js:211:5)at Request.\_callback (/app/node\_modules/web3-provider-engine/subproviders/rpc.js:36:21)at self.callback (/app/node\_modules/request/request.js:185:22)at Request.emit (node:events:513:28)at Timeout.<anonymous> (/app/node\_modules/request/request.js:851:16)Error: PollingBlockTracker - encountered an error while attempting to update latest block:undefined at PollingBlockTracker.\_performSync (/app/node\_modules/eth-block-tracker/src/polling.js:51:24) at processTicksAndRejections (node:internal/process/task\_queues:96:5)  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
When the app is used outside a container and directly on server OS, all requests successfully complete.  
  
What I have tried  
  
I tried searching the internet forums and boards. Similar issue is mentioned in some posts but suggested solution is to tweak Timeout/Interval values which did not help with my issue and still got the error.  
  
I tried using the same NodeJS and NPM versions installed on server OS. Also tried using different versions of NodeJS( 14.XX, 16.XX). Still got the same error.  
  
Also I have tried changing and configuring Docker network( different type of network driver, different IPAM config, passing extra hosts etc.). Still got the same error.  
  
I have confirmed that mentioned URL is accessible from inside container using ping, nc and dig tools. Also have confirmed that successful HTTPS connection is being established.  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
Questions  
  
What is causing this behavior?  
  
What I can do to reliably use this app inside container?  
  
Have I missed something?

0 **Answer**