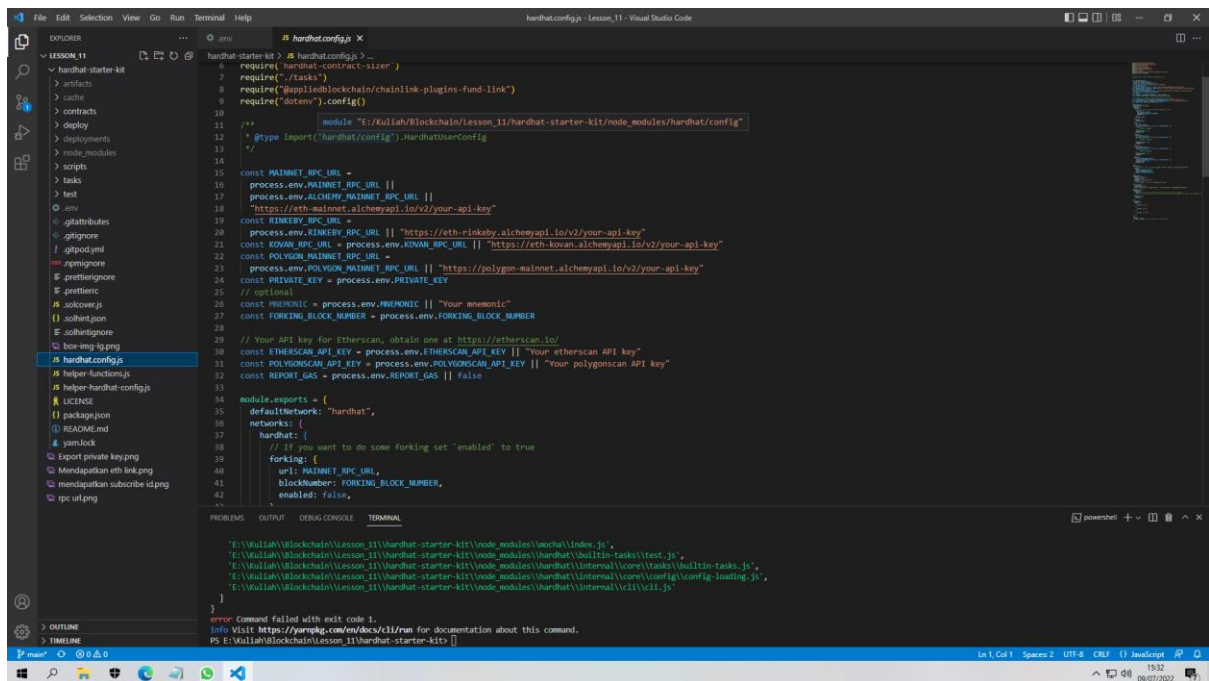
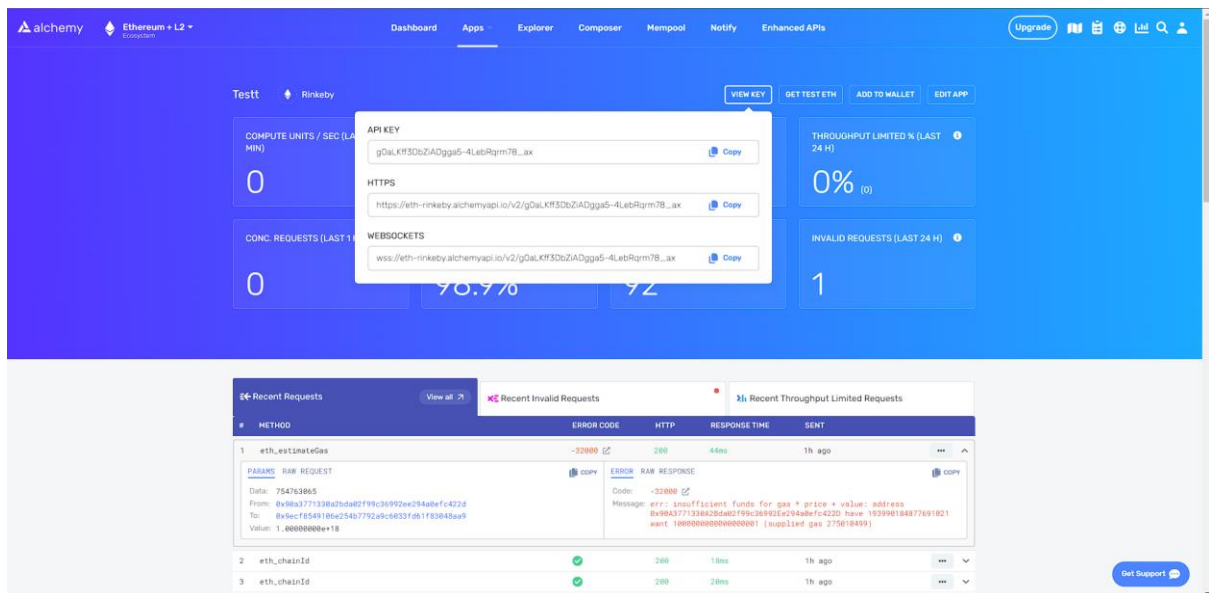


## Code:



```
1 hardhat.config.js
2
3 require('hardhat-contract-sizer')
4 require('hardhat-gas-reporter')
5 require('@nomiclabs/hardhat-waffle')
6 require('@nomiclabs/hardhat-etherscan')
7 require('hardhat-abi-exporter')
8 require('hardhat-verify')
9 require('dotenv').config()
10
11 /**
12  * @type {import('hardhat/config').HardhatUserConfig}
13  */
14
15 const MAINNET_RPC_URL =
16   process.env.MAINNET_RPC_URL ||
17   process.env.ALCHEMY_MAINNET_RPC_URL ||
18   "https://eth-mainnet.alchemyapi.io/v2/your-api-key"
19 const RINKEBY_RPC_URL =
20   process.env.RINKEBY_RPC_URL || "https://eth-rinkeby.alchemyapi.io/v2/your-api-key"
21 const KOVAN_RPC_URL = process.env.KOVAN_RPC_URL || "https://eth-kovan.alchemyapi.io/v2/your-api-key"
22 const POLYGON_MAINNET_RPC_URL =
23   process.env.POLYGON_MAINNET_RPC_URL || "https://polygon-mainnet.alchemyapi.io/v2/your-api-key"
24 const PRIVATE_KEY = process.env.PRIVATE_KEY
25
26 // optional
27 const MNEMONIC = process.env.MNEMONIC || "your mnemonic"
28 const FORKING_BLOCK_NUMBER = process.env.FORKING_BLOCK_NUMBER
29
30 // Your API key for Etherscan, obtain one at https://etherscan.io/
31 const ETHERSCAN_API_KEY = process.env.ETHERSCAN_API_KEY || "your etherscan API key"
32 const POLYGONSCAN_API_KEY = process.env.POLYGONSCAN_API_KEY || "your polygonscan API key"
33 const REPORT_GAS = process.env.REPORT_GAS || false
34
35 module.exports = {
36   defaultNetwork: "hardhat",
37   networks: {
38     hardhat: {
39       // If you want to do some forking set 'enabled' to true
40       forking: {
41         url: MAINNET_RPC_URL,
42         blockNumber: FORKING_BLOCK_NUMBER,
43         enabled: false,
44       },
45     },
46     mainnet: {
47       url: MAINNET_RPC_URL,
48       accounts: {
49         mnemonic: MNEMONIC,
50         privateKey: PRIVATE_KEY,
51       },
52     },
53     rinkeby: {
54       url: RINKEBY_RPC_URL,
55       accounts: {
56         mnemonic: MNEMONIC,
57         privateKey: PRIVATE_KEY,
58       },
59     },
60     kovan: {
61       url: KOVAN_RPC_URL,
62       accounts: {
63         mnemonic: MNEMONIC,
64         privateKey: PRIVATE_KEY,
65       },
66     },
67     polygon: {
68       url: POLYGON_MAINNET_RPC_URL,
69       accounts: {
70         mnemonic: MNEMONIC,
71         privateKey: PRIVATE_KEY,
72       },
73     },
74   },
75   etherscan: {
76     apiKey: ETHERSCAN_API_KEY,
77   },
78   polygonScan: {
79     apiKey: POLYGONSCAN_API_KEY,
80   },
81   solidity: {
82     compiler: {
83       version: "0.8.4",
84       settings: {
85         optimizer: {
86           enabled: true,
87           runs: 200,
88         },
89       },
90     },
91     coverage: {
92       enabled: true,
93     },
94   },
95   gasReporter: {
96     enabled: !!REPORT_GAS,
97     coin: "gas",
98     currency: "USD",
99     gasPrice: 100,
100    from: "0x0000000000000000000000000000000000000000",
101    to: "0x0000000000000000000000000000000000000000",
102    maxMethodLength: 100,
103    maxTransactionLength: 100,
104    onlyCalledMethods: false,
105  },
106  verify: {
107    etherscan: {
108      apiKey: ETHERSCAN_API_KEY,
109    },
110    polygonScan: {
111      apiKey: POLYGONSCAN_API_KEY,
112    },
113  },
114}
```

## Mendapatkan RPC URL:



The Alchemy dashboard for the Rinkeby testnet shows the following information:

- API KEY:** gDaLKf30bZADgga5-4LeRqm78\_ax
- HTTPS:** https://eth-rinkeby.alchemyapi.io/v2/gDaLKf30bZADgga5-4LeRqm78\_ax
- WEBSOCKETS:** wss://eth-rinkeby.alchemyapi.io/v2/gDaLKf30bZADgga5-4LeRqm78\_ax

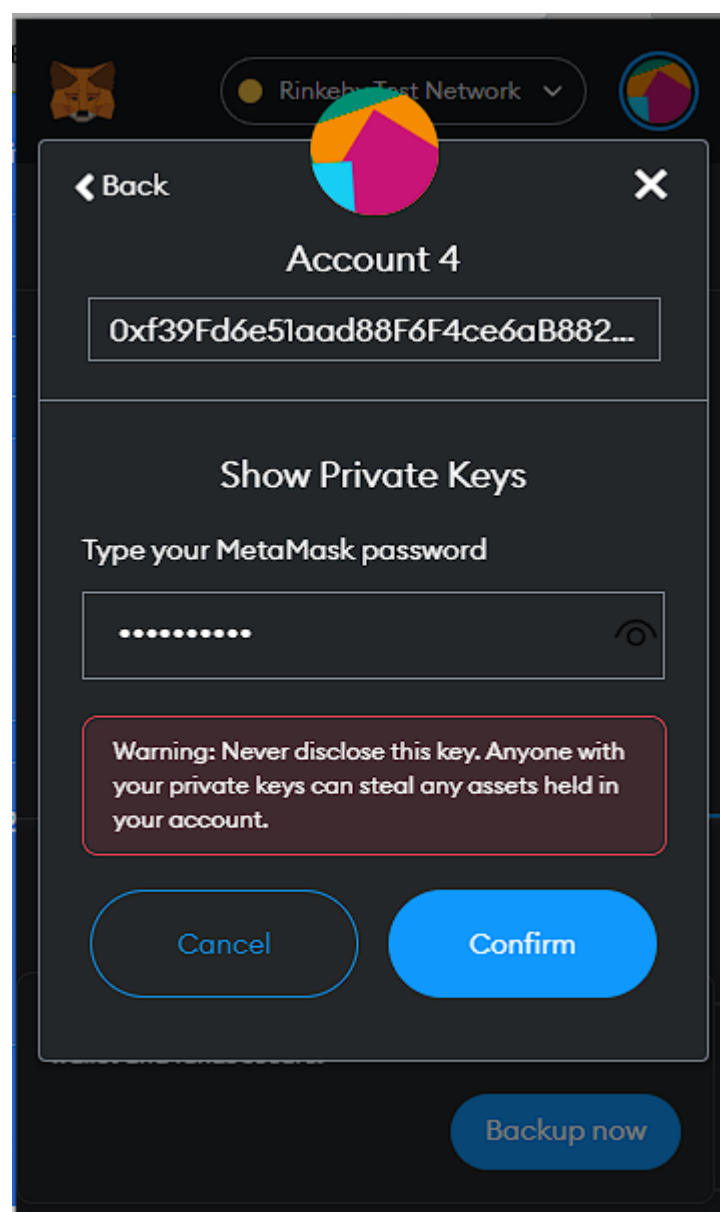
The dashboard also displays various metrics and request logs:

- COMPUTE UNITS / SEC (LAST 1 MIN):** 0
- CONC. REQUESTS (LAST 1 MIN):** 0
- THROUGHPUT LIMITED % (LAST 24 H):** 0%
- INVALID REQUESTS (LAST 24 H):** 1

**Recent Invalid Requests:**

#	METHOD	ERROR CODE	HTTP	RESPONSE TIME	SENT
1	eth_estimateGas	-32000	200	44ms	1h ago
2	eth_chainId	✓	200	18ms	1h ago
3	eth_chainId	✓	200	28ms	1h ago

Mendapatkan Private Key:



Mendapatkan ETH dan LINK:

✓

Enter wallet address

✓

Initiating

✓

Waiting for confirmation

✓

Tokens transferred

## Request complete

Congratulations, 20 testnet LINK and 0.1 testnet ETH were sent to your account.

Request type	Transaction hash
20 test LINK	<a href="#">0x945f509de5bd2a674ab3fe50e437b1040f43fc68bc44e44bf7d7a5d0201882fd</a>

Request type	Transaction hash
0.1 test ETH	<a href="#">0xf42cc9757fd3dedced3d25eeef687cac4de6070bb6bb937eec11a594b731afbe</a>

Close

Mendapatkan Subscription ID:

## Chainlink Verifiable Randomness Function

Chainlink VRF provides cryptographically secure randomness for your smart contracts.

Create Subscription

Go to the docs

LINK Token ⓘ

0x01be...0709 ⓘ

VRF Coordinator ⓘ

0x6168...57ab ⓘ

Key hash ⓘ

0xd89b...07cc ⓘ

Max gas price ⓘ

30 Gwei

### My Subscriptions

Active

ID	Created	Consumers	Balance
8116	July 9, 2022 at 06:23 UTC	1	10 LINK
8109	July 9, 2022 at 03:08 UTC	1	9.70600140714825 LINK
8108	July 9, 2022 at 03:01 UTC	0	0 LINK

Prev

Showing 1 to 3 of 3 entries

Next