

Hardhat Smartcontract Lottery (Raffle) FCC :

Membuat chainlink subscription

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Create Subscription

Create a Subscription ID using your wallet address. The Subscription ID will be used in your contract when requesting a random value. [Learn more](#)

Subscription address

0x93471fe3e9c0f59ddfb143a5dbed5112e4e4723e

As an admin, you may cancel or edit the subscription anytime

Create subscription

Cancel

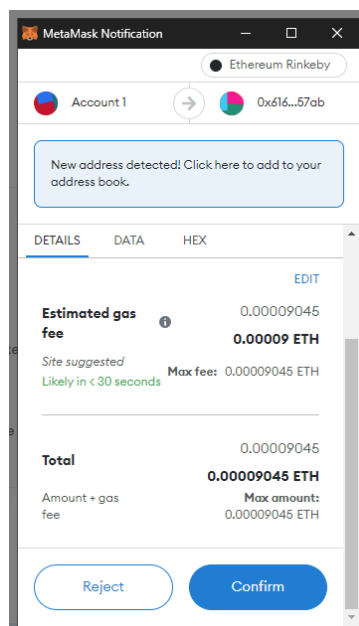
How to Create a Subscription?

Easy as 1, 2, 3

- 1 Create a subscription with your wallet address.
- 2 Add funds to your subscription. You can always do it later.
- 3 Add consumers.

After you create the subscription, you will be able to manage it and add funds. Add as many subscriptions as you like.

Konfirmasi pembuatan subscription



Isi subscription dengan link

Home / My Subscriptions / ID 8118 /

Add Funds

Add funds to your subscription. Your subscription is only billed after your contract receives a random value and you will never be billed more than the maximum price you specify. You can withdraw your funds at anytime. [Learn more](#)

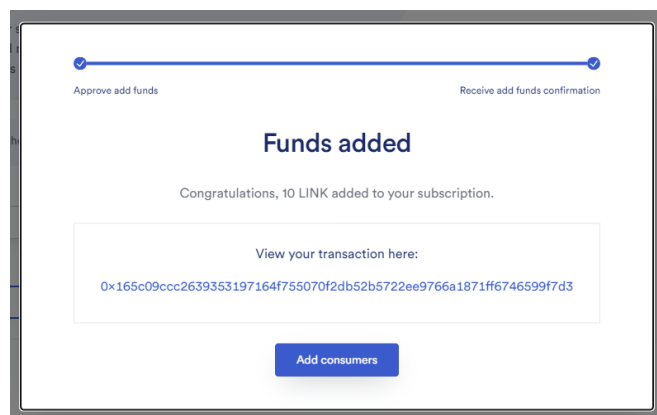
i Need LINK for testing? Visit the [Chainlink faucet](#) to receive testnet LINK.

Add funds (LINK)

Your wallet balance: 20.0 LINK

[Add funds](#) [I'll do it later](#)

Tunggu hingga dana tersebut masuk



Siapkan code smart contract

```

EXPLORER
  > OPEN EDITORS
  > NEW FOLDER
  > ethers-simple-storage
  > hardhat-fund-me-fcc
  > hardhat-simple-storage-fcc
  > hardhat-smartcontract-lottery-fcc
    > contracts
    > deploy
    > img
    > node_modules
    > scripts
    > test
    > utils
    > env
    > env.example
    > .gitattributes
    > .gitignore
    > .prettierrc
    > .solhint.json
    > .solhintignore
    > .hardhat.config.js
    > helper-hardhat-config.js
    > LICENSE
    > package.json
    > README.md

.env ethers-simple-storage .env hardhat-smartcontract-lottery-fcc JS hardhat.config.js x
hardhat-smartcontract-lottery-fcc > JS hardhat.config.js > ...
1 require("@nomiclabs/hardhat-waffle")
2 require("@nomiclabs/hardhat-etherscan")
3 require("hardhat-deploy")
4 require("solidity-coverage")
5 require("hardhat-gas-reporter")
6 require("hardhat-contract-sizer")
7 require("dotenv").config()
8
9 /**
10  * @type import('hardhat/config').HardhatUserConfig
11  */
12
13 const MAINNET_RPC_URL =
14   process.env.MAINNET_RPC_URL ||
15   process.env.ALCHEMY_MAINNET_RPC_URL ||
16   "https://eth-mainnet.alchemyapi.io/v2/your-api-key"
17 const RINKEBY_RPC_URL =
18   process.env.RINKEBY_RPC_URL || "https://eth-rinkeby.alchemyapi.io/v2/your-api-key"
19 const KOVAN_RPC_URL = process.env.KOVAN_RPC_URL || "https://eth-kovan.alchemyapi.io/v2/your-api-key"
20 const POLYGON_MAINNET_RPC_URL =
21   process.env.POLYGON_MAINNET_RPC_URL || "https://polygon-mainnet.alchemyapi.io/v2/your-api-key"
22 const PRIVATE_KEY = process.env.PRIVATE_KEY || "0x"
23 // optional
24 const MNEMONIC = process.env.MNEMONIC || "your mnemonic"
25
26 // Your API key for Etherscan, obtain one at https://etherscan.io/
27 const ETHERSCAN_API_KEY = process.env.ETHERSCAN_API_KEY || "Your etherscan API key"
28 const POLYGONSCAN_API_KEY = process.env.POLYGONSCAN_API_KEY || "Your polygonscan API key"
29 const REPORT_GAS = process.env.REPORT_GAS || false
30

```

Lalu deploy smart contract dengan data wallet rinkeby

```

Compiled 8 Solidity files successfully
-----
deploying "Raffle" (tx: 0xd973c72c9c0226a370da54fd28bd2556b44d7e5afbeb71527cc0a4fe36d7a32)...: deployed at 0xb0E48dF24E303B5Ac903A29A948C103ea16C69F6 with 1233316 gas
Enter lottery with command:
yarn hardhat run scripts/enterRaffle.js --network rinkeby
Done in 98.23s.
gitpod /workspace/new_folder/hardhat-smartcontract-lottery-fcc (main) $

```

Lalu tambahkan address tersebut sebagai consumer

No consumers

Your subscription is ready. You can now add consumers

Important: Your consumer contract must use the Subscription ID **8118** in the VRF request to make use of these funds.

Consumer address (1)

0xb0E48df24E303B5Ac903A29A948C103ea16C69F6

Add consumer

Cancer

Membuat chainlink keepers upkeep

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Raffle Upkeep

Actions

Status	Date ran	Balance	Minimum Balance
Active	-	8 LINK	4.72334632589531 LINK

Registry address	Total spent
0x409C...12A0	0 LINK

Details

Registration

Owner address

0x9347...723e

Date

July 9, 2022 at 09:55 UTC

Transaction Hash

0x422e...364d

Upkeep

ID

2274

Address

0xb0E4...69F6

Gas limit

500,000

Trigger

Type

Custom

Check data (Base16)

0x

Link dapat dikirimkan ke address tersebut

1

2

3

4

Allow LINK spend

Receive allowance confirmation

Confirm LINK transfer

Receive transfer confirmation

Allow LINK spend

Please confirm the proposed LINK spend allowance.

Close

Total spent

0 LINK

MetaMask Notification

Transaction fee

A fee is associated with this request.

Hide full transaction details

0.000069 ETH

\$0.08

Permission request

https://wepers.chain.link may access and spend up to this max amount

Approved amount: 2 LINK

Granted to:

Contract: (0x409CF388...12A0)

Data

Function: Approve

0x098ea7b300000000000000000000000000000004

0xc988dab4278da3e44005d162c0eaa012a

00

00

Reject

Confirm

Selain itu pada etherscan, raffle dapat terhubung dengan web3 dan melakukan transaksi dalam tampilan web

TransactionsErc20 Token TxnsContractEvents

CodeRead ContractWrite Contract

Connected - Web3 [0x9347...723e]

1. enterRaffle

enterRaffle

0.1

Write

2. performUpkeep

bytes

<input> (bytes)

Write

3. rawFulfillRandomWords

requestId (uint256) +

requestId (uint256)

randomWords (uint256[])

randomWords (uint256[])

Write

MetaMask Notification

Ethereum Rinkeby

Account 10xb0E...69F6

New address detected! Click here to add to your address book.

https://rinkeby.etherscan.io

0xb0E...69F6 : ENTER RAFFLE

0.1

DETAILSDATAHEX

Estimated gas fee

0.00010669

0.000107 ETH

Site suggested

Unknown processing time

Max fee: 0.00010669 ETH

0.10010669