

# zkEVM Homework

## 1. Deploying a contract to Polygon

### 1. Set up metamask to connect to the test network

- **Network Name:** Polygon zkEVM Testnet
- **RPC URL:** <https://rpc.public.zkevm-test.net>
- **Chain ID:** 1442
- **Currency Symbol:** ETH
- **Block Explorer URL:** <https://explorer.public.zkevm-test.net>

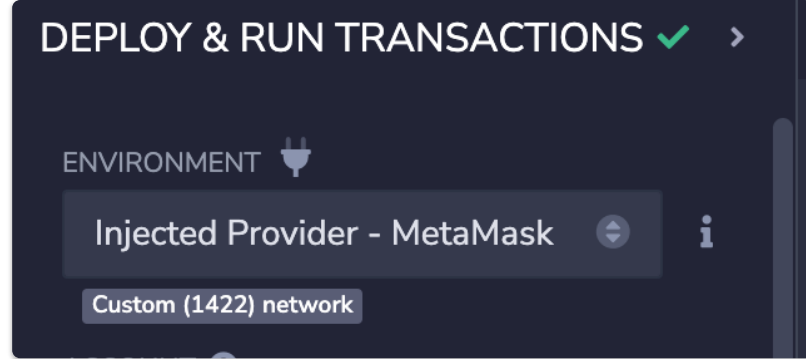
### 2. Transfer some goerli ETH to your account on polygon zkEVM Testnet using the bridge [bridge interface](#)

The screenshot displays the Polygon zkEVM bridge interface. At the top, it shows the 'polygon zkEVM' logo and a user address '0x0e11...5e12'. Below this, a box titled 'Polygon zkEVM testnet' lists the following details:

- RPC URL: <https://rpc.public.zkevm-test.net>
- Chain ID: 1422
- Currency symbol: ETH
- Block explorer URL: <https://explorer.public.zkevm-test.net>
- L1 Goerli Smart Contract: [0x5e2e663A39205348cE985Bccc9673Ca25AeE727E](#)

Below the list are two buttons: 'Add to MetaMask' and 'Report an issue'. A warning message states: 'ETH bridges in the Ethereum Goerli network are limited to 0.25 ETH in early testnet versions'. The 'From' section shows 'Ethereum Goerli' with a balance of '36.023318 ETH'. The 'To' section shows 'testnet-zkEVM-mango' with a balance of '0.099777 ETH'. A 'Continue' button is at the bottom.

## 2. Create a simple contract in Remix, and deploy using metamask as the Injected provider.



3. Check your deployment and transactions using the [block explorer](#)