ELYRA

AUTONOMOUS INTELLIGENCE NETWORK

NETWORK INITIALIZED

Developer Quickstart

Connect a wallet, get testnet funds, deploy your first contract, and explore the network — Genesis Testnet, today.

DOCUMENT	VERSION	COMPANION TO	PHASE
QUICKSTART	**0.1**	**WHITEPAPER**	**GENESIS TESTNET**

Elyra is an experimental protocol under active development. This document may evolve as research and development progress and does not constitute financial, legal or investment advice.

Developer Quickstart

Genesis Testnet — everything you need to connect, deploy and explore.

Scope of this guide: the Genesis Testnet phase only. The testnet is intentionally minimal — an EVM-compatible chain, a block explorer, an RPC endpoint and a faucet. There is no ELY token yet, no bridge, and no mainnet. Those arrive in later phases described in the Whitepaper (Token Economy and Roadmap chapters).

1. What Exists

COMPONENT	STATUS
EVM-compatible execution layer	Opening soon — public testnet
Block explorer (Blockscout)	Opening soon
Faucet (test funds)	Opening soon
RPC endpoint (HTTP + WebSocket)	Opening soon
Agent registry & bounded agent wallets	Smart contracts, deployed at testnet opening
ELY token (ERC-20, Ethereum)	Not yet launched
Bridge / 1:1 migration	Not yet live
Mainnet	Not yet live
Protocol-native Agent Runtime	Not yet live — AI-Native Infrastructure phase

If a resource, endpoint, or feature is not listed above, assume it does not exist yet on the public testnet, regardless of what may be referenced elsewhere as a future capability.

INFRASTRUCTURE NOTE

The Genesis Testnet runs Hyperledger Besu with QBFT consensus: four validators, a block about every two seconds and immediate finality, with ELY as the gas coin. A separate archive node serves the public RPC, next to a Blockscout explorer and a faucet. The stack is standard and battle-tested, so Ethereum tooling works unmodified.

2. Add the Network to Your Wallet

Use any standard EVM wallet (MetaMask, Rabby, etc.) and add a custom network with the parameters published on the official documentation site at the time you read this guide:

FIELD	VALUE
Network Name	Elyra Genesis Testnet
RPC URL	see official docs — may change during testnet
Chain ID	see official docs
Currency Symbol	ELY (testnet, non-transferable value)
Block Explorer URL	see official docs

Do not hardcode these values into production tooling. Testnet parameters are subject to change without the same guarantees a mainnet would carry.

3. Get Testnet Funds From the Faucet

Open faucet page → Paste wallet address → Request funds

Faucet limits and cooldown periods may apply and can change without notice — this is a shared testing resource, not a production allocation. Testnet ELY has **no monetary value**. It cannot be bridged, sold, or converted into the eventual Ethereum-launched ELY token described in the Whitepaper.

4. Deploy Your First Contract

Because the testnet is EVM-compatible, standard Ethereum tooling works unmodified.

```
npm install --save-dev hardhat
npx hardhat init
```

Minimal example contract:

```
// contracts/ElyraExample.sol
pragma solidity ^0.8.20;

contract ElyraExample {
    uint256 public value;

    function updateValue(uint256 newValue) public {
        value = newValue;
    }
}
```

Point Hardhat's network config at the testnet RPC URL, then:

```
npx hardhat compile
npx hardhat run scripts/deploy.js --network elyra
```

Verify the deployment by searching your contract address on the block explorer.

5. Using the Explorer

Testnets deployed through infrastructure-as-a-service providers typically ship with a Blockscout-based explorer, letting you look up:

- Blocks & timestamps
- Transactions & status
- Contract bytecode (if verified)
- Wallet balances (testnet ELY only)

There is currently no custom analytics dashboard and no dedicated public data API beyond what the explorer itself exposes. If your project needs indexed on-chain data at this stage, run your own indexer against the RPC endpoint rather than depending on explorer-side infrastructure that does not yet exist.

6. What's Intentionally Not Here Yet

To avoid confusion, this testnet phase explicitly does **not** include:

- A live ELY token of any kind (the ERC-20 launches on Ethereum in a later phase)
- A bridge of any kind
- Governance or voting
- Agent Identity, Agent Wallets, or Agent Runtime primitives
- Staking or validator rewards (these activate post-Mainnet)
- SLAs, uptime guarantees, or audited contracts

Building against this testnet means building against infrastructure that is still being tested. Expect resets, parameter changes, and downtime.

7. Where to Go Next

- Full protocol design: see the Elyra Whitepaper.
- Questions not covered here: see the FAQ.
- Terminology: see the Glossary.