

Getting Started as a Developer

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Installing Stride

To install the latest version of Stride blockchain node binary, execute the following command on your machine:

```
git clone https://github.com/Stride-Labs/stride
```

Test your installation by navigating to the stride directory and executing:

```
make start-docker build=sgjotr
```

The build command installs dependencies, builds, initializes, and starts your blockchain in development mode. You should see logs being printed to your shell.

If you have any issues with installation, please reach out to our team on [Discord](#).

You can learn more about the install process [here](#) or reference these helpful resources:

- [Starport](#)
- [Tutorials](#)
- [Starport docs](#)
- [Cosmos SDK docs](#)
- [Developer Chat](#)

Developing on Stride

Developers who wish to develop on Stride can easily spin up 3 Stride nodes, 3 Gaia nodes, 1 Hermes relay and 1 interchain-queries relay. The Gaia nodes simulate the Cosmos Hub (Gaia) zone in local development mode, and the relays allow Stride zone to interact with that instance of Gaia.

The fastest way to develop on Stride is local development mode.

Set up local development mode

Install the required git submodule dependencies (gaia, hermes, interchain-queries).

```
git submodule update --init
```

Build executables, initialize state, and start the network with

```
make init-local build=sg
```

You can optionally pass build arguments to specify which binary to rebuild

1. s
2. This will re-build the Stride binary (default)
3. g
4. This will re-build the Gaia binary
5. h
6. This will re-build the Hermes binary
7. i
8. This will re-build the ICQ binary

Example: `make init-local build=sg`, this will:

- Rebuild the Stride and Gaia binaries
- Start 1 Stride and 1 Gaia node in the background
- Start Hermes and ICQ Relays

You can optionally pass `cache=true` to restore the state from a backup instead of re-initializing it.

To bring down the chain, execute:

```
make stop
```

Contributing

Pull requests are welcome. For major changes, please open an issue first to discuss what you would like to change. We also welcome all discussion in #engineering or #questions in our [Discord](#). Updated over 1 year ago

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