Getting started

There are multiple commands integrated into jenesis that allow you to perform a variety of tasks. A full list of these commands is provided below:

- new
- init
- add
- update
- attach
- compile
- keys
- deploy
- run
- shell
- network

In the following section of this page, we will cover the first commands so to show youhow to create a new project andhow to configure a network .

For additional information, have a look at theKeys ↗ documentation for information about managing keys using Jenesis and the Working with contracts section, which illustrates different contract related executable operations using Jenesis tools and commands.

Let's get started!

Create a new project

You can create a new project using thenew command as depicted below:

jenesis new my_project [--profile my_profile] [--network network_name] This will create a new directory calledmy_project . You can use--profile and--network optional arguments to provide additional arguments for profile and network desired for the project. Whenever these arguments are not used, these will be set totesting andfetchai-testnet respectively.

Inside this directory for your project, ajenesis.toml file will be created containing the following information:

[project] name =

"my_project" authors = ["Alice Tyleralice@mail.com"] keyring_backend =

"os"

[profile.my_profile] default =

true

[profile.my_profile.network] name =

"fetchai-testnet" chain_id =

"dorado-1" fee_minimum_gas_price =

5000000000 fee_denomination =

"atestfet" staking_denomination =

"atestfet" url =

"grpc+https://grpc-dorado.fetch.ai" faucet_url =

"https://faucet-dorado.fetch.ai" is_local =

false

[profile.my_profile.contracts] The project'sname is the argument passed to thenew command while the authors field is populated by querying the user's GitHub username and email address. The profile's network will be filled with the relevant configuration variables. The contracts field will remain empty until new contracts are added. Thismy_profile profile will be set as the default profile, this means that every time you use a jenesis command without specifying a profile,my_profile will be used.

An emptycontracts folder will also be created insidemy_project directory that will eventually contain all the information needed to compile and deploy the desired contracts.

Theinit command is similar to thenew command, but in this case, you will not need a project name argument sincethis command is intended to run inside an existing project directory :

jenesis init [--profile my_profile] [--network network_name] This command will create the same files and folders inside your project directory as the ones described for thenew command above.

If using a cargo workspace, you just need to navigate to the top level of your project and run theinit command shown above. This will create thejenesis.toml configuration file inside your workspace including all the relevant information from existing contracts.

Configure a network

Jenesis will configure the project to run on the latest stable Fetch.ai testnet by default, . Usefetchai-mainnet to configure for the Fetch.ai mainnet or directly edit thejenesis.toml file to configure for other networks.

If you want to test on a local node, you will need to pass the argument--network fetchai-localnode when creating a project:

jenesis new my_project --network fetchai-localnode or:

jenesis init --network fetchai-localnode The configuration can be found under thenetwork heading in thejenesis.toml file and can be changed as desired:

[profile.testing.network] name =

"fetchai-localnode" chain_id =

"localnode" fee_minimum_gas_price =

5000000000 fee_denomination =

"atestfet" staking_denomination =

"atestfet" url =

"grpc+http://127.0.0.1:9090/" is_local =

true keep_running =

false cli_binary =

"fetchd" validator_key_name =

"validator" mnemonic =

"gap bomb bulk border original scare assault pelican resemble found laptop skin gesture height inflict clinic reject giggle hurdle bubble soldier hurt moon hint" password =

"12345678" moniker =

"test-node" genesis_accounts = ["fetch1vas6cc9650z0s08230ytqjphgzl5tcq9crqhhu" ,] timeout_commit =

"5s" debug_trace =

true In particular,to fund some accounts for testing , replace thegenesis_accounts field with the addresses to be funded.

When running any of the commandsdeploy ,run ,shell , andattach , Jenesis will check for a currently running local node. If there is not one provided, a new one will be created in a docker container.

If you wish tokeep a local node running , you need to set thekeep_running parameter totrue . Otherwise, nodes will be stopped after any of the command mentioned above finish running.

At any time,you can start or stop a local node from running , using the following commands:

jenesis network start [--profile my_profile] or:

jenesis network stop [--profile my_profile] You can alsoview the logs from the local node , by simply running:

jenesis network logs [--profile my_profile] ℹ Checkout ourGitHub repository ↗(opens in a new tab) for Jenesis.

Was this page helpful?

Installation Keys