

How to use

The testpipeline can be called from the command line by the `main.py` method. The arguments for the runs can either be provided via the cli or they can be specified in an additional `CONFIG.json` file. All the cli arguments are optional keyword parameters. Every argument of the program can be specified in the config. If an argument is specified in the config and is parsed as a cli argument, the cli argument will overwrite the config specification. This allows to configure some standard behaviour while still being able to control exact behaviour for every individual run if the need arises. For more specifics on the parameters, consider the documentation in `main.py`.

The `CONFIG.json` has to be located in the same folder as the `main.py`. As the file ending suggests the file has to be a json file.

Here is one example how the config file can look like.

```
{
  "runfile_path": "runfiles/",
  "result_path": "results/",
  "network_path": "networks/",
  "num_threads": 20,
  "delete_runfile": false,
  "error_exit": true,
  "device": "X1"
}
```

The arguments `runfile_path`, `result_path` and `network_path` must be specified as a command line argument or in the config. If not done so, the program will raise an exception.

Here is one example how a call to the `main.py` could look like.

```
python3 main.py --runfile_path runfiles/test1.json --result_path results/ --network_path networks/
```

Here the run specified in `test1.json` located in the `runfiles/` folder will be computed. If `test1` requires an already created network this can be found in the folder `networks/`. The results of this test will be saved in the folder `results/`.