

Foundry Verification

[Foundry](#) is a smart contract development toolchain. Foundry manages your dependencies, compiles your project, runs tests, deploys, and lets you interact with the chain from the command line and via Solidity scripts.

Forge is a command-line tool that ships with Foundry. Forge tests, builds, and deploys your smart contracts. Forge supports contract verification out of the box (<https://book.getfoundry.sh/reference/forge/forge-verify-contract>)

Verify contract

In forge, contracts can be verified at the time of the deployment (e.g. using `forge script`), or later, if the contracts are already deployed (e.g. using `forge verify-contract`).

Tips:

1. Specify the `--verifier=blockscout`
2. flag to use the Blockscout verification provider. API key for Blockscout verification is optional.
3. Specify the `--verifier-url=/api/`
4. flag for connecting to a specific Blockscout instance (e.g., `--verifier-url=https://eth-sepolia.blockscout.com/api/`
5.).
6. You can specify most configuration options (e.g., evm version, disabling optimizations) via the usual Forge configuration (see <https://github.com/foundry-rs/foundry/blob/master/config/README.md>
7.).

Example (Deploy and verify)

Verify a contract with Blockscout right after deployment (make sure you add `/api/` to the end of the Blockscout homepage explorer URL):

...

```
Copy forge create \ --rpc-url \ --private-key PRIVATE_KEY \ : \ --verify \ --verifier blockscout \ --verifier-url/api/
```

...

Or if using foundry scripts:

...

```
Copy forge script \ --rpc-url \ --private-key PRIVATE_KEY \ --broadcast \ --verify \ --verifier blockscout \ --verifier-url /api/
```

...

Example (Verify already deployed contract)

...

```
Copy forge verify-contract \ --rpc-url \
```

```
\ : \ --verifier blockscout \ --verifier-url/api/ ``` Or if using foundry scripts for last executed script run: ``` Copy forge script \ --rpc-url \ --private-key PRIVATE_KEY \ --resume \ --verify \ --verifier blockscout \ --verifier-url /api/ ``` Last updated 3 months ago
```