

# Debugging

On this section you can learn how to debug your Aztec.nr smart contracts and common errors that you may run into.

## Logging in Aztec.nr

You can log statements from Aztec.nr contracts that will show ups in the Sandbox.

Import debug\_log Import the [debug\\_log](#) dependency from Aztec oracles:

use

dep :: aztec :: oracle :: debug\_log :: { debug\_log } ; Write log

Writedebug\_log() in the appropriate place in your contract.

debug\_log ( "here" ) ; Other methods for logging include:

debug\_log\_format() : for logging Field values along arbitrary strings.

debug\_log\_format ( "get\_2(slot:{0}) =>\n\t0:{1}\n\t1:{2}" ,

[ storage\_slot , note0\_hash , note1\_hash ] ) ; debug\_log\_field() : for logging Fields.

debug\_log\_field ( my\_field ) ; debug\_log\_array() : for logging array types.

debug\_log\_array ( my\_array ) ; Start Sandbox in debug mode

Prepend the command to start the sandbox with `DEBUG=aztec:*` to log everything or `DEBUG=aztec:simulator:oracle` to only log your `debug_log()` statements.

## Using the docker-compose.yml setup

`cd ~/aztec &&`

## DEBUG

`aztec:*` docker-compose up Alternatively you can update the `DEBUG` environment variable in `docker-compose.yml` and start the sandbox normally.

environment : DEBUG : aztec : [\\*## Aztec.nr Errors This section contains some errors that you may encounter when writin contracts in Aztec.nr. If you run into an error that is not listed here, please create an issue. ## Aztec Sandbox Errors This a list of errors you may encounter when using Aztec Sandbox and an explanation of each of them. Edit this page](#)

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