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# Envy Documentation

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Envy allows developers to simply create project-based development environments that your colleagues will envy.



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## Documentation

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### 1.1 Installation

To install Envy, first clone the source code from Github

```
$ git clone https://github.com/jerluc/envy.git
```

Once you have the source code, `cd envy` then install either using `pip`

```
$ sudo pip install .
```

Or by using `setuptools`

```
$ python setup.py build
$ sudo python setup.py install
```

### 1.2 Usage Guide

#### 1.2.1 Creating a new workspace

Before you can start to build out your development environment, you will need to first create a new workspace.

```
$ nv c
Creating workspace [my-env]
```

This command will create a `.envy` directory in the current working directory, where all future workspace tools will be configured and stored.

Once you have created a new workspace, you are now able to enter the workspace environment.

#### 1.2.2 Entering a workspace

In order to use any tools or macros built in an existing workspace, you must first enter the workspace environment:

```
$ nv e
Entering workspace [my-env]; use "exit" to leave this workspace
```

This command must be executed from the root directory where the `.envy` configurationd directory is stored.

To simplify the process of creating a new workspace environment and then immediately entering it afterward, both `c` and `e` commands may also be invoked at the same time.

```
$ nv c e
Creating workspace [my-env]
Entering workspace [my-env]; use "exit" to leave this workspace
```

### 1.2.3 Recording a macro

One of the most useful features of Envy is the ability to easily record “macros” which are mini scripts to run common sequences of Bash commands. Once you have entered a workspace environment, you can record a macro using the `record` command (use the `exit` command to finish recording).

```
my-env $ record my-macro
Recording macro "my-macro"; use "exit" to stop recording
my-env $ echo OH
OH
my-env $ echo HAI
HAI
my-env $ exit
exit
```

Once recorded, you can then use the newly-recorded `my-macro` from your environment.

```
my-env $ my-macro
OH
HAI
```

Macros are recorded and saved to the `.envy/macros` directory, where they can be modified, shared, or removed.

### 1.2.4 Destroying a workspace

Sometimes (but rarely) it is useful to be able to remove an existing workspace environment. For this task, the `d` command can be used.

```
$ nv d
```



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## Indices and tables

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- `modindex`
- `search`