
Amadla

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CONTENTS

1	Contents	3
1.1	How It Works	3
1.2	Setup	3
1.3	CI/CD	4
1.4	Adding Secrets To Vault	4
1.5	Application Compatibility	4

Amadla (/ah-mah-dlah/) is a Python tool for Check out the [Setup](#) section for further information, including how to the project.

Note: This project is under active development.

CONTENTS

1.1 How It Works

To begin let's explain what the problem Amadla is there to solve by reading the first section of the *root* `README.md` `<../README.md>`__.

1.1.1 Flow

1. The secrets (username/password, API Keys, etc) are pulled from Vault.
- 2.

1.2 Setup

1.2.1 Without Containers

1. Install the requirements for the Python script: `pip install -r requirements.txt`

1.2.2 With Containers

1. You need to have a Vault instance running.
2. Add your secrets to your Vault instance (or configure your Vault to load the secrets from a [storage backend](#)).
 - [Adding secrets to Vault](#)

1.2.3 Start Vault

If you don't have a Vault instance already running you can run this command:

```
make start-vault
```

For more details about Vault with Amadla you can read [secrets](#) document.

1.2.4 Basic

Generates the basic image and sets up the infrastructure with Terraform:

```
make basic
```

1.2.5 Make Server Image

```
make image
```

1.2.6 Generate The Infrastructure

```
make infrastructure
```

The other commands: - `clean` - Remove `.terraform` folder, state and plan files - `down` - Plan and apply a tf destroy

1.3 CI/CD

CI/CD tools that Amadla supports: - [GitHub Workflow](#) - [Jenkins](#)

You can use any other CI/CD tools that you wish but for the moments those are the only ones that Amadla will maintain.

CI/CD helps to quickly put everything together and deploy the things that you want automatically.

With GitHub Workflow you will be able to just [fork](#) this repo and then whenever you make a change to the code, and you commit and push the GitHub Workflow will execute the IaC code and deploy everything without the need of any other actions on your part.

More documentation to come.

1.4 Adding Secrets To Vault

1.5 Application Compatibility

1.5.1 Making Applications Compatible

Container

Full Server

X Application