Lago-Demo Documentation

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Lago is an add-hoc virtual testing environment framework

CHAPTER 1

Lago-Demo

1.1 Lago Demo

1.1.1 About

In this demo we will learn how to set up a basic environment with Lago. The environment will consist of three virtual machines that will host Jenkins infrastructure.

1.1.2 The VMs

- "vm0-server" - Jenkins server
- "vm1-slave" - Jenkins slave
- "vm2-slave" - Jenkins slave

1.1.3 The network

The vms will be connected to the same network, There will be also connectivity between the vms host and the internet.

1.1.4 Prerequisite

- Install Lago
- Clone this repository to your machine.

```
git clone https://github.com/gbenhaim/lago-tutorial.git
```

1.1.5 Let's start !

From within the cloned repository, run the following commands:

- Create the environment.

```
lago init
```

- Start the vms.

```
lago start
```

- Installing the vms:
- Jenkins will be installed on the server.
- OpenJDK will be installed on the slaves.

```
lago deploy
```

The environment is ready! Now you can open your favorite browser, enter "vm0-server-ip-adress:8080" and the jenkins dashboard will be opened. How to figure out what is the ip of "vm0-server" ? Check out the following commands:

- Open a shell to vm0-server (for any other vm, just replace 'vm0-server' with the name of the machine)

```
lago shell vm0-server
```

- Print some usefull information about the environment.

```
lago status
```

When you done with the enviroment:

- Turn off the vms.

```
lago stop
```

Note: To turn on the vms, use:

```
lago start
```

And if you will not have a need for the environment in the future:

- Delete the vms.

```
lago destroy
```

1.1.6 Advanced stuff

For more advanced stuff please check out this tutorial