

Developing Betamax with Vagrant

Joe Corcoran • corcoran.io • [@josephcorcoran](https://twitter.com/josephcorcoran)

Vagrant

vagrantup.com

Vagrant

Adding a base box

```
Vagrant.configure(2) do |config|  
  config.vm.box = 'ubuntu/trusty64'  
end
```

Vagrant

Provisioning

```
Vagrant.configure(2) do |config|
  config.vm.box = 'ubuntu/trusty64'
  config.vm.provision 'bashrc', type: 'file',
                             source: '~/.bashrc',
                             destination: '/home/vagrant/.bashrc'
end
```

Vagrant

Provisioning

```
Vagrant.configure(2) do |config|
  config.vm.box = 'ubuntu/trusty64'
  config.vm.provision 'bashrc', type: 'file',
                             source: '~/.bashrc',
                             destination: '/home/vagrant/.bashrc'
  config.vm.provision 'hello', type: 'shell', inline: 'echo "hello"'
end
```

Vagrant Commands

```
$ vagrant up
```

Vagrant

Commands

```
$ vagrant halt
```

```
$ vagrant destroy
```

```
$ vagrant reload
```

```
$ vagrant provision
```

```
$ vagrant provision --provision-with hello
```

Betamax base box

github.com/tape-tv/betamax-box

Betamax base box

Contents

- `build-essential`
- `Git`
- `Python` and `awscli`
- `Postgresql`
- `Node.js`
- `Redis`

Betamax base box

Development

github.com/tape-tv/betamax-box

Betamax base box

Development

github.com/tape-tv/betamax-box -> boxes.tape.tv

Betamax

Using the base box

```
Vagrant.configure(2) do |config|  
  config.vm.box = 'http://boxes.tape.tv/betamax-v0.2.1.box'  
  # ...  
end
```

Betamax

Networking

```
Vagrant.configure(2) do |config|
  config.vm.box = 'http://boxes.tape.tv/betamax-v0.2.1.box'
  config.vm.network 'private_network', ip: '192.168.66.100'
  config.ssh.forward_agent = true
  # ...
end
```

Betamax

NFS vs rsync

- NFS is generally better
- No file system events on the guest machine

Betamax

NFS vs rsync

- NFS is generally better
- No file system events on the guest machine

Betamax

NFS vs rsync

- NFS is generally better
- No file system events on the guest machine
- `rsync-gatling-rsync`

Betamax Boot

```
$ vagrant ssh
```

Betamax

Setup

```
$ cd /betamax
```

```
$ source setup.sh
```

```
$ ./database.sh
```

Thanks!

More info at betamax/vagrant.md