

Install Ruby 2.2 (Capistrano needs ruby>=2)

For Docker Container or ubuntu machine

- apt-get update
- apt-get install software-properties-common -y
- apt-get install git vim nano curl -y
- apt-add-repository ppa:brightbox/ruby-ng
- apt-get update
- apt-get install ruby2.2 -y

For Ubuntu Machine using rvm

- gpg --keyserver hkps://keys.gnupg.net --recv-keys
409B6B1796C275462A1703113804BB82D39DC0E3
7D2BAF1CF37B13E2069D6956105BD0E739499BDB
- curl -sSL https://get.rvm.io | bash -s stable
- rvm install ruby-2.4

Install Capistrano with gem (In Both Machines)

gem install capistrano

gem install capistrano-npm

Add user deploy(any name)

adduser deploy

login deploy

Install NVM

- curl -o- https://raw.githubusercontent.com/creationix/nvm/v0.33.6/install.sh | bash
- wget -qO- https://raw.githubusercontent.com/creationix/nvm/v0.33.6/install.sh | bash
- nvm install v8
- nvm alias default v8

Or recommended

- apt-get install npm
- apt-get install nodejs-legacy
- npm i -g npm

Install NGINX

- apt-get install nginx -y
- **Move to dir & make a folder name node**
cd /usr/share/nginx
mkdir node
- **Give access permission**
chown -R :www-data /usr/share/nginx/node

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chown -R 775 /usr/share/nginx/node
chown -R 777 /usr/share/nginx/node
```

- **Change root path html to node**
vim /etc/nginx/sites-enabled/default
root /usr/share/nginx/node/current;

Clone the git project and Configure the cap.

capistrano initialization and configuration

Cap install

It will create

Capfile

config/deploy.rb
<pre>set :application, "capistrano-practice" set :repo_url, 'git@github.com:yogesh-sinoriya/capistrano-practice.git' set :user, "deploy" set :ssh_options, {:forward_agent => true}</pre>

config/deploy/production.rb
<pre>set :deploy_via, :remote_cache set :use_sudo, false set :branch, 'master' set :deploy_to, "/usr/share/nginx/node/" server '172.17.0.5', user: 'deploy', roles: %w{web app db} set :keep_releases, 3 after 'deploy:publishing', 'deploy:restart'</pre>

config/deploy/staging.rb (similarly like production)

Password less login conf.

Step 1: copy rsa public key from local machine (cat ~/.ssh/id_rsa.pub)

Step 2: paste in server's **".ssh/authorized_keys"**

Or

ssh deploy@172.17.0.2 "chmod 700 .ssh; chmod 640 .ssh/authorized_keys"

Git Configuration

git init

git remote add origin git@github.com:yogesh-sinoriya/capitrano.git

git add --all

git commit -m "First Commit"

git push -u origin master

Deploy command: cap production deploy

Deploy flow

When you run cap production deploy, it invokes the following tasks in sequence:

deploy:starting	- start a deployment, make sure everything is ready
deploy:started	- started hook (for custom tasks)
deploy:updating	- update server(s) with a new release
deploy:updated	- updated hook
deploy:publishing	- publish the new release
deploy:published	- published hook
deploy:finishing	- finish the deployment, clean up everything
deploy:finished	- finished hook

Presentation Link : <http://slides.com/yogeshsanoriya/capistrano#/>

