

Web Hosting Server Runbook

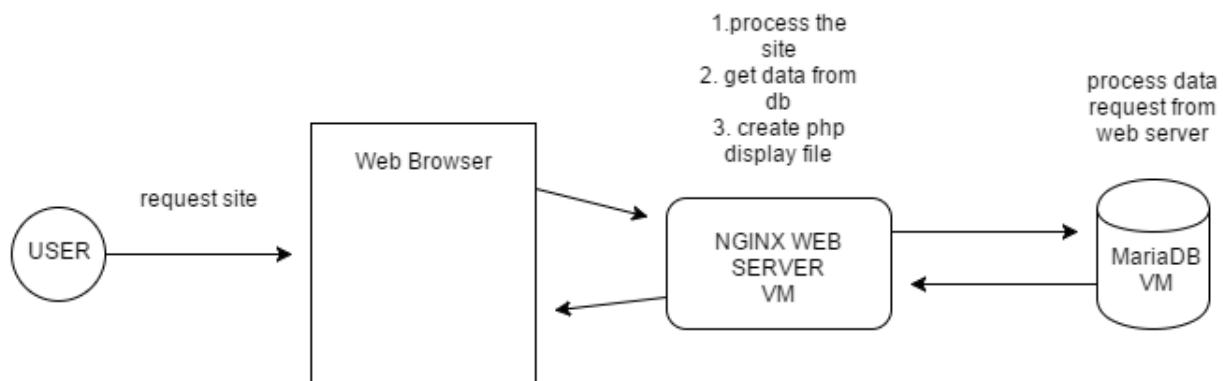
Short Description

Setup virtual machine with nginx, mariadb and php through ansible playbook.

Required Software

- Centos 7
- VirtualBox
- NGINX
- PHP
- PHP-FPM
- MariaDB

Architecture Diagram



Deployment

Before carrying out the deployment the virtual machine should be setup using vagrant. The ansible playbook shall use the root login password create by vagrant for logging in. Once the Centos VM is install on the server follow the listed commands before beginning deployment.

The commands are as follows:

- 1) *Login in the new server with root account.*
- 2) *Run `yum -y update && yum -y upgrade`*
- 3) *Run `yum install -y nmap`*

Issues

Title: *Nginx server might be disabled*

Description: *Something might have stopped nginx service*

Remediation Steps:

- 1) Systemctl status nginx
- 2) If "running" is not shown start nginx by systemctl start nginx and systemctl enable nginx

Title: *Error with nginx due to syntax problem*

Description: *nginx.conf file might got some syntax error*

Remediation Steps:

- 1) *Nginx -t*
- 2) *If the result show "test failed", there will be a file listed on which the test failed.*
- 3) *Open the listed file and check for improper syntax.*

Title: *Backup database might be turned off*

Description: *Access to the site might be unreachable if the root*

Remediation Steps:

- 1) *netstat -plnt | grep mysql*
- 2) *If mysql is running a list will be shown with ip:port that mysqld is running on.*
- 3) *If step 2 isn't shown run systemctl enable mariadb and systemctl start mariadb.*