

# Standard Installation Procedures for LAMP Stack on CentOS 7

## 1. System Upgrade

1. `yum -y update`

## 2. Install Required Software

1. `yum -y install git policycoreutils-python httpd mariadb mariadb-server php-mysql php-gd php-ldap php-odbc php-pear php-xml php-xmlrpc php-mbstring php-snmp php-soap curl curl-devel`

## 3. Setup MySQL Server

1. `mysql_secure_installation`

## 4. Start and Enable All Services

1. `systemctl enable httpd`
2. `systemctl enable mariadb`
3. `systemctl start httpd`
4. `systemctl start mariadb`

## 5. Open Firewall Ports

1. `firewall-cmd --permanent --zone=public --add-service=http`
2. `firewall-cmd --permanent --zone=public --add-service=https`
3. `firewall-cmd --permanent --zone=public --add-port=<ssh_port>/tcp`
4. `firewall-cmd --reload`

## 6. Change SSH Port

1. `vim /etc/ssh/sshd_config` #and append 'Port <ssh\_port>'
2. `semanage port -a -t ssh_port_t -p tcp <ssh_port>`
3. `systemctl restart sshd`

## 7. Enable Shutdown Button

Edit `/etc/systemd/logind.conf` and uncomment the following 2 lines:

1. `PowerKeyIgnoreInhibited=no`
2. `HandlePowerKey=poweroff`

## 8. Reboot System

1. `reboot`

## (HP MicroServer Only)

Edit `/etc/default/grub` and append `clocksource=hpeter nolapic` to the end of `GRUB_CMDLINE_LINUX` variable.

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