1. Update your system

```sh

# yum update

```

2. Download Nginx latest version. version we use here is :

2. download latest version of nginx from http://nginx.org/en/download.html website

```sh

# cd /opt

# wget http://nginx.org/download/nginx-1.15.4.tar.gz

# tar -zxvf nginx-1.15.4.tar.gz

# mv nginx-1.15.4 /opt/nginx

```

3. In order to compile our source code we need to install dependences.

```sh

# yum groupinstall "Development Tools"

# yum install pcre pcre-devel zlib zlib-devel openssl openssl-devel

```

4. Run /opt/nginx/configure file with below parameters

```sh

# cd /opt/nginx

# ./configure --sbin-path=/usr/bin/nginx --conf-path=/etc/nginx/nginx.conf --error-log-path=/var/log/nginx/error.log --http-log-path=/var/log/nginx/access.log --with-pcre --pid-path=/var/run/nginx.pid --with-http\_ssl\_module

```

5. Now compile and install nginx

```sh

# make

# make install

```

6. Check nginx version and start service to use.

```sh

# nginx -V

# nginx

```

6. Setup nginx as a system servicecreate a file /lib/systemd/system/nginx.service and copy below URL content into that and modify according to your file path locations.

```sh

Ref URL : https://www.nginx.com/resources/wiki/start/topics/examples/systemd/

# vi /lib/systemd/system/nginx.service

```

copy below contant in to nginx.service file by changing PIDFile location

```sh

[Unit]

Description=The NGINX HTTP and reverse proxy server

After=syslog.target network.target remote-fs.target nss-lookup.target

[Service]

Type=forking

PIDFile=/var/run/nginx.pid

ExecStartPre=/usr/bin/nginx -t

ExecStart=/usr/bin/nginx

ExecReload=/usr/sbin/nginx -s reload

ExecStop=/bin/kill -s QUIT $MAINPID

PrivateTmp=true

[Install]

WantedBy=multi-user.target

```

7. Start nginx and test

```sh

# systemctl start nginx

# systemctl enable nginx

# ps aux | grep nginx

```