

1. Install and configure the necessary dependencies

```
sudo yum install -y curl policycoreutils-python openssh-server
```

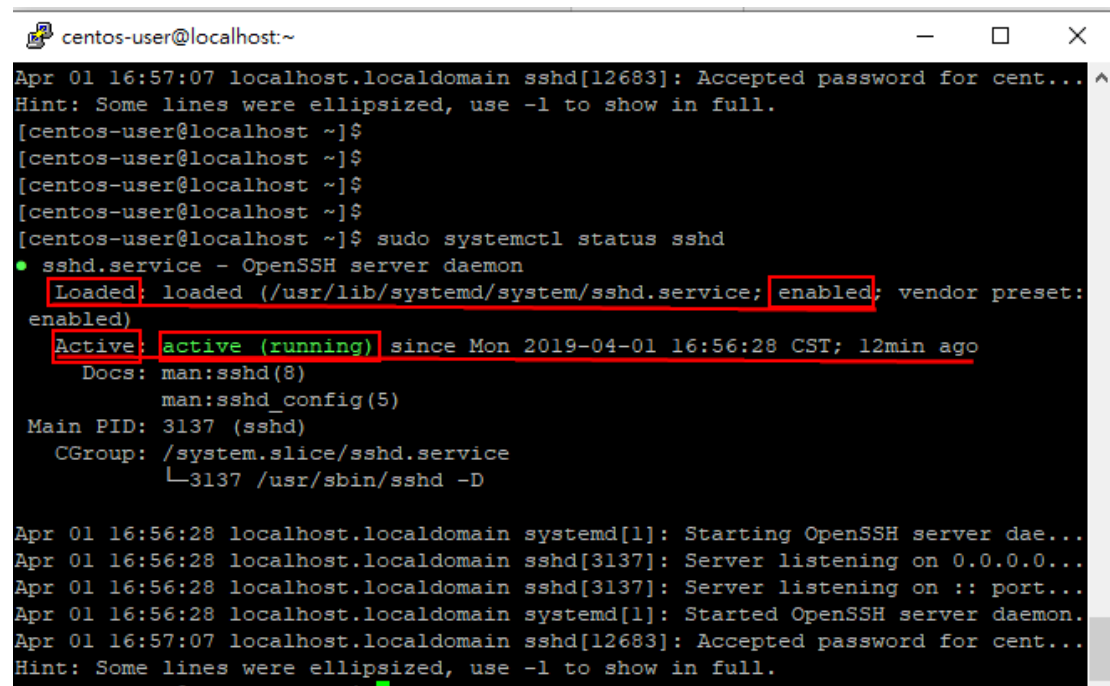
```
sudo systemctl enable sshd
```

```
sudo systemctl start sshd
```

Check the OpenSSH status

```
sudo systemctl status sshd
```

It should be:

A terminal window titled 'centos-user@localhost:~' showing the output of 'sudo systemctl status sshd'. The output indicates that the 'sshd.service' is loaded and enabled. It is active (running) since Mon 2019-04-01 16:56:28 CST, 12min ago. The main PID is 3137. The terminal also shows logs of the service starting and listening on port 22, and a successful login attempt for 'centos-user' at 16:57:07.

```
centos-user@localhost:~  
Apr 01 16:57:07 localhost.localdomain sshd[12683]: Accepted password for cent...  
Hint: Some lines were ellipsized, use -l to show in full.  
[centos-user@localhost ~]$  
[centos-user@localhost ~]$  
[centos-user@localhost ~]$  
[centos-user@localhost ~]$  
[centos-user@localhost ~]$ sudo systemctl status sshd  
● sshd.service - OpenSSH server daemon  
   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset: enabled)  
   Active: active (running) since Mon 2019-04-01 16:56:28 CST; 12min ago  
     Docs: man:sshd(8)  
           man:sshd_config(5)  
    Main PID: 3137 (sshd)  
      CGroup: /system.slice/sshd.service  
              └─3137 /usr/sbin/sshd -D  
  
Apr 01 16:56:28 localhost.localdomain systemd[1]: Starting OpenSSH server dae...  
Apr 01 16:56:28 localhost.localdomain sshd[3137]: Server listening on 0.0.0.0...  
Apr 01 16:56:28 localhost.localdomain sshd[3137]: Server listening on :: port...  
Apr 01 16:56:28 localhost.localdomain systemd[1]: Started OpenSSH server daemon.  
Apr 01 16:57:07 localhost.localdomain sshd[12683]: Accepted password for cent...  
Hint: Some lines were ellipsized, use -l to show in full.
```

Configure the firewall

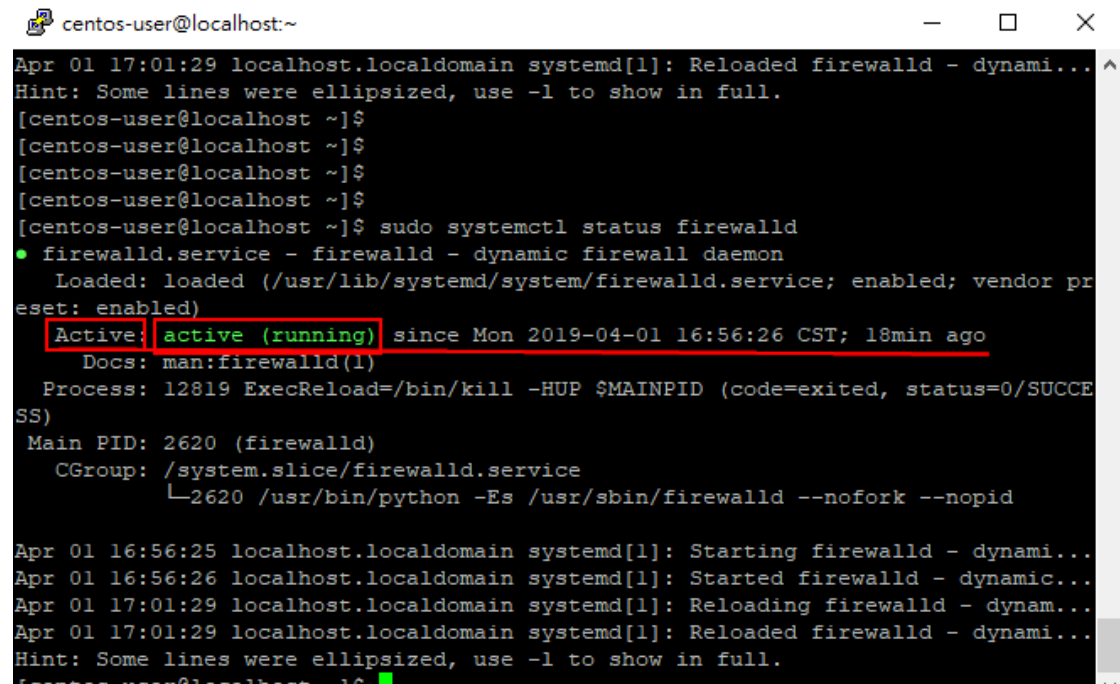
```
sudo firewall-cmd --permanent --add-service=http
```

```
sudo systemctl reload firewalld
```

Check the firewall status

```
sudo systemctl status firewalld
```

It should be:



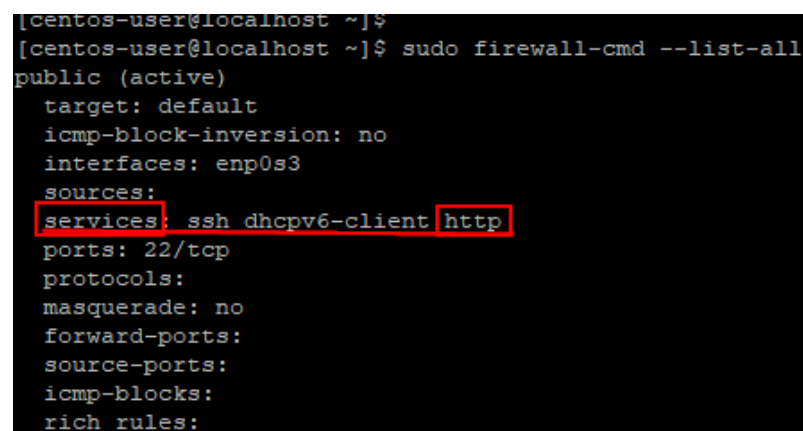
```
centos-user@localhost:~
Apr 01 17:01:29 localhost.localdomain systemd[1]: Reloaded firewalld - dynamic...
Hint: Some lines were ellipsized, use -l to show in full.
[centos-user@localhost ~]$
[centos-user@localhost ~]$
[centos-user@localhost ~]$
[centos-user@localhost ~]$
[centos-user@localhost ~]$ sudo systemctl status firewalld
● firewalld.service - firewalld - dynamic firewall daemon
   Loaded: loaded (/usr/lib/systemd/system/firewalld.service; enabled; vendor pr
   Reset: enabled)
   Active: active (running) since Mon 2019-04-01 16:56:26 CST; 18min ago
     Docs: man:firewalld(1)
   Process: 12819 ExecReload=/bin/kill -HUP $MAINPID (code=exited, status=0/SUCCE
   SS)
   Main PID: 2620 (firewalld)
    CGroup: /system.slice/firewalld.service
            └─2620 /usr/bin/python -Es /usr/sbin/firewalld --nofork --nopid

Apr 01 16:56:25 localhost.localdomain systemd[1]: Starting firewalld - dynamic...
Apr 01 16:56:26 localhost.localdomain systemd[1]: Started firewalld - dynamic...
Apr 01 17:01:29 localhost.localdomain systemd[1]: Reloading firewalld - dynam...
Apr 01 17:01:29 localhost.localdomain systemd[1]: Reloaded firewalld - dynami...
Hint: Some lines were ellipsized, use -l to show in full.
[centos-user@localhost ~]$
```

Check the firewall config

```
sudo firewall-cmd --list-all
```

It should be:



```
[centos-user@localhost ~]$
[centos-user@localhost ~]$ sudo firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: enp0s3
  sources:
  services: ssh dhcpv6-client http
  ports: 22/tcp
  protocols:
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
```

2. Install Postfix to send notification emails

```
sudo yum install postfix

sudo systemctl enable postfix

sudo systemctl start postfix
```

3. Add the GitLab package repository and install the package

Add the GitLab package repository

```
sudo curl https://packages.gitlab.com/install/repositories/gitlab/gitlab
-ee/script.rpm.sh | sudo bash
```

Install the GitLab package

```
sudo EXTERNAL_URL="https://gitlab.example.com" yum install -y gitlab-ee
```

Change the URL & the port at which you want to access your GitLab instance

```
sudo vim /etc/gitlab/gitlab.rb
```

```
## GitLab URL
##! URL on which GitLab will be reachable.
##! For more details on configuring external_url see:
##! https://docs.gitlab.com/omnibus/settings/configuration.html#configuring-the$
external_url 'http://localhost:8088'
```

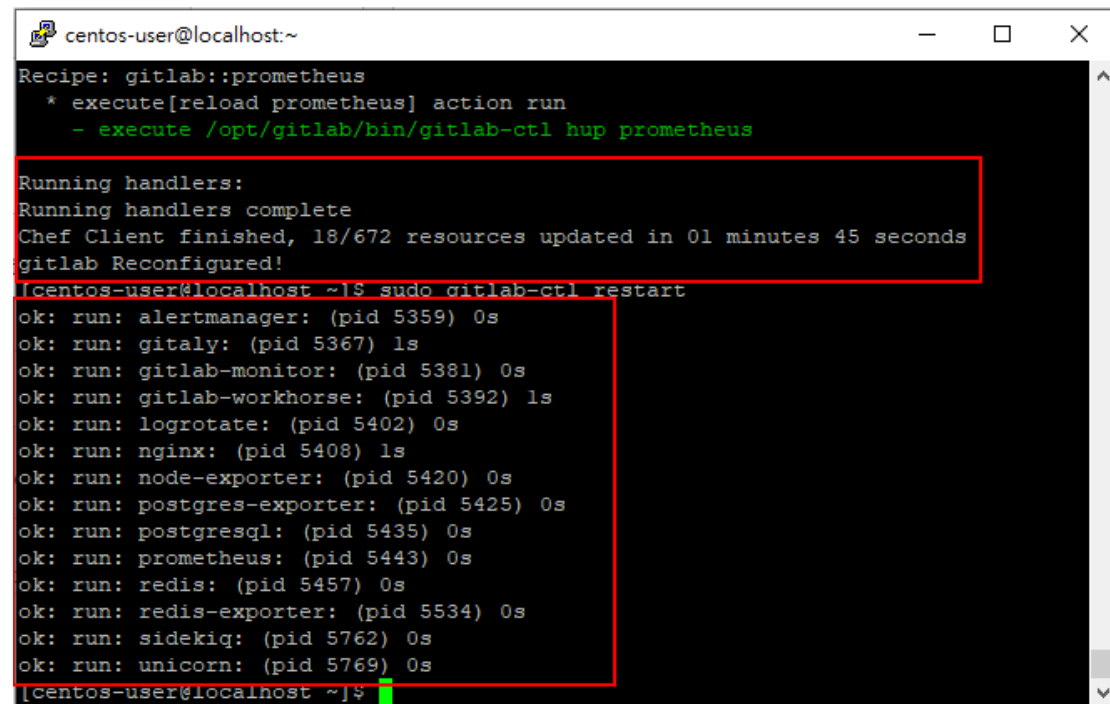
```
## Advanced settings
unicorn['listen'] = 'localhost'
unicorn['port'] = 8001
# unicorn['socket'] = '/var/opt/gitlab/gitlab-rails/sockets/gitlab.socket'
# unicorn['pidfile'] = '/opt/gitlab/var/unicorn/unicorn.pid'
# unicorn['tcp_nopush'] = true
# unicorn['backlog_socket'] = 1024
```

Reconfigure & Restart gitlab

```
sudo gitlab-ctl reconfigure
```

```
sudo gitlab-ctl restart
```

It should be:

A terminal window titled 'centos-user@localhost:~' showing the output of 'sudo gitlab-ctl reconfigure' and 'sudo gitlab-ctl restart'. The first command shows 'Recipe: gitlab::prometheus' and 'execute[reload prometheus] action run'. The second command shows 'Running handlers:', 'Running handlers complete', and 'Chef Client finished, 18/672 resources updated in 01 minutes 45 seconds gitlab Reconfigured!'. The third command shows 'ok: run: alertmanager: (pid 5359) 0s' through 'ok: run: unicorn: (pid 5769) 0s'.

```
centos-user@localhost:~  
Recipe: gitlab::prometheus  
  * execute[reload prometheus] action run  
    - execute /opt/gitlab/bin/gitlab-ctl hup prometheus  
  
Running handlers:  
Running handlers complete  
Chef Client finished, 18/672 resources updated in 01 minutes 45 seconds  
gitlab Reconfigured!  
[centos-user@localhost ~]$ sudo gitlab-ctl restart  
ok: run: alertmanager: (pid 5359) 0s  
ok: run: gitally: (pid 5367) 1s  
ok: run: gitlab-monitor: (pid 5381) 0s  
ok: run: gitlab-workhorse: (pid 5392) 1s  
ok: run: logrotate: (pid 5402) 0s  
ok: run: nginx: (pid 5408) 1s  
ok: run: node-exporter: (pid 5420) 0s  
ok: run: postgres-exporter: (pid 5425) 0s  
ok: run: postgresql: (pid 5435) 0s  
ok: run: prometheus: (pid 5443) 0s  
ok: run: redis: (pid 5457) 0s  
ok: run: redis-exporter: (pid 5534) 0s  
ok: run: sidekiq: (pid 5762) 0s  
ok: run: unicorn: (pid 5769) 0s  
[centos-user@localhost ~]$
```

If you change the port at which you want to access your GitLab instance, then you need to configure the firewall for the new port like this

```
sudo firewall-cmd --permanent --zone=public --add-port=8088/tcp
```

```
sudo firewall-cmd --reload
```

And check the firewall config again

```
sudo firewall-cmd --list-all --permanent
```


It should be:

```
[centos-user@localhost ~]$ sudo firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: enp0s3
  sources:
  services: ssh dhcpv6-client http
  ports: 22/tcp 8088/tcp
  protocols:
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
```

4. Browse to the hostname and login

Use the default account's username root to login

ⓘ 不安全 | 10.4.3.158:8088/users/password/edit?reset_password_token=51gABPVy_hD6ADoFT1bs



Please create a password for your new account.

GitLab Enterprise Edition

Open source software to collaborate on code

Manage Git repositories with fine-grained access controls that keep your code secure. Perform code reviews and enhance collaboration with merge requests. Each project can also have an issue tracker and a wiki.

Change your password

New password

Confirm new password

Change your password

Didn't receive a confirmation email? [Request a new one](#)

Already have login and password? [Sign in](#)