



WEBMIN

IMPLEMENTING WEBMIN IN CENTOS CORE

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INTRODUCTION

In this I'm going to Install and Configure Webmin in centos 7 core. Webmin tool is to get access into a core machine and use it has a Graphical User Interface. In other words, Webmin is a web-based system configuration tool for Unix-Linux systems.

PREREQUISITE

1. You must have a Centos core Linux in your environment.
2. You must have access to internet in your centos core machine

NOTE: I'm using a VMware virtual machine for Centos with bridged connection.

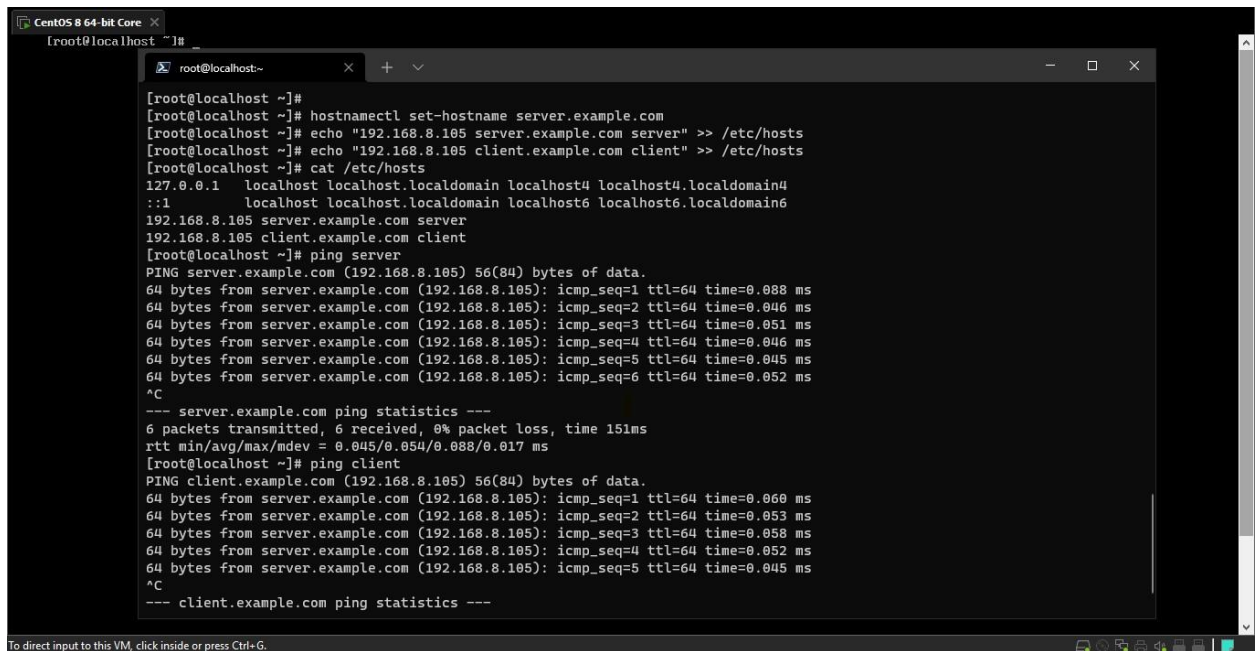
STEPS

First I'm setting up a hostname to my machine and writing records to my /etc/hosts

```
#hostnamectl set-hostname server.example.com
```

```
#echo "192.168.8.105 server.example.com server" >> /etc/hosts
```

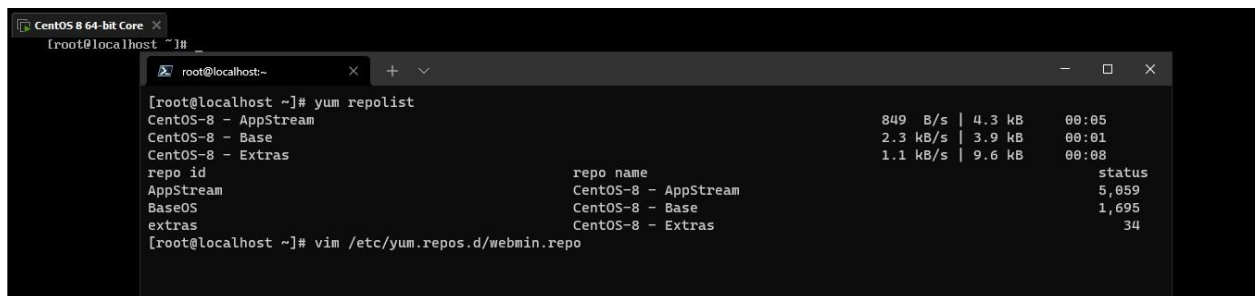
```
#echo "192.168.8.105 client.example.com client" >> /etc/hosts
```

A terminal window titled 'CentOS 8 64-bit Core' showing the execution of several commands. The user sets the hostname to 'server.example.com' using 'hostnamectl', then appends entries to '/etc/hosts' for 'server.example.com' and 'client.example.com'. Finally, they perform ping tests to both 'server' and 'client' addresses, showing successful results with 0% packet loss.

```
[root@localhost ~]#  
[root@localhost ~]# hostnamectl set-hostname server.example.com  
[root@localhost ~]# echo "192.168.8.105 server.example.com server" >> /etc/hosts  
[root@localhost ~]# echo "192.168.8.105 client.example.com client" >> /etc/hosts  
[root@localhost ~]# cat /etc/hosts  
127.0.0.1    localhost localhost.localdomain localhost4 localhost4.localdomain4  
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6  
192.168.8.105 server.example.com server  
192.168.8.105 client.example.com client  
[root@localhost ~]# ping server  
PING server.example.com (192.168.8.105) 56(84) bytes of data.  
64 bytes from server.example.com (192.168.8.105): icmp_seq=1 ttl=64 time=0.088 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=2 ttl=64 time=0.046 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=3 ttl=64 time=0.051 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=4 ttl=64 time=0.046 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=5 ttl=64 time=0.046 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=6 ttl=64 time=0.052 ms  
^C  
--- server.example.com ping statistics ---  
6 packets transmitted, 6 received, 0% packet loss, time 151ms  
rtt min/avg/max/mdev = 0.045/0.054/0.088/0.017 ms  
[root@localhost ~]# ping client  
PING client.example.com (192.168.8.105) 56(84) bytes of data.  
64 bytes from server.example.com (192.168.8.105): icmp_seq=1 ttl=64 time=0.060 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=2 ttl=64 time=0.053 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=3 ttl=64 time=0.058 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=4 ttl=64 time=0.052 ms  
64 bytes from server.example.com (192.168.8.105): icmp_seq=5 ttl=64 time=0.045 ms  
^C  
--- client.example.com ping statistics ---
```

Checking the repos currently in my machine

```
#yum repolist
```

A terminal window showing the output of the 'yum repolist' command. It lists three repositories: AppStream, Base, and Extras, along with their download speeds and sizes. Below this, it shows a table of repository details including ID, name, and status.

```
[root@localhost ~]# yum repolist  
CentOS-8 - AppStream          849 B/s | 4.3 kB    00:05  
CentOS-8 - Base              2.3 kB/s | 3.9 kB    00:01  
CentOS-8 - Extras            1.1 kB/s | 9.6 kB    00:08  
repo id                      repo name                      status  
AppStream                    CentOS-8 - AppStream          5,059  
BaseOS                       CentOS-8 - Base              1,695  
extras                       CentOS-8 - Extras            34  
[root@localhost ~]# vim /etc/yum.repos.d/webmin.repo
```

Now I created a file for webmin repos using vim, you have to add webmin url to download it.

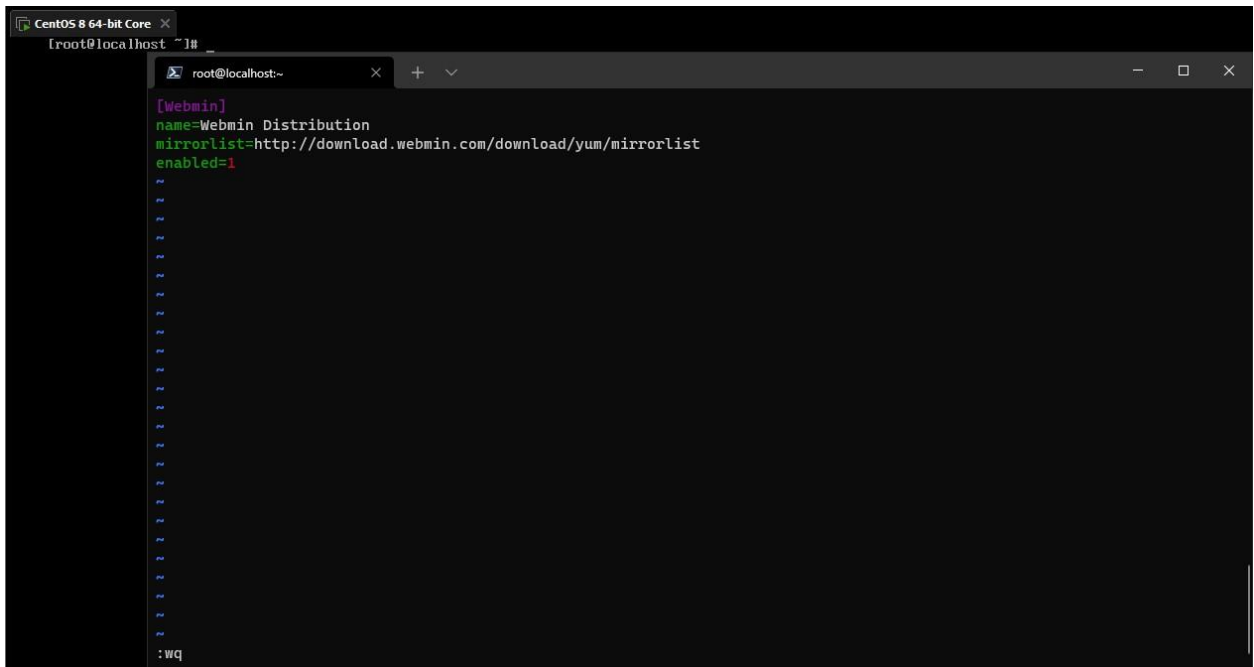
```
#vim /etc/yum.repos.d/webmin.repo
```

```
[Webmin]
```

```
name=Webmin Distribution
```

```
mirrorlist=http://download.webmin.com/download/yum/mirrorlist
```

```
enabled=1
```

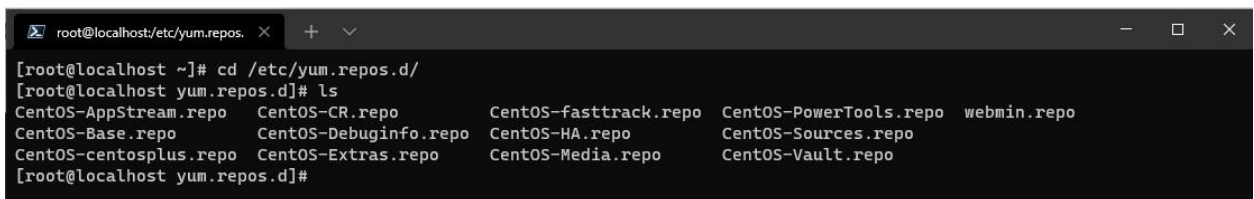


A screenshot of a terminal window titled "CentOS 8 64-bit Core". The terminal shows a vim editor session editing the file "/etc/yum.repos.d/webmin.repo". The content of the file is displayed in green text on a black background:

```
[Webmin]
name=Webmin Distribution
mirrorlist=http://download.webmin.com/download/yum/mirrorlist
enabled=1
```

The vim status line at the bottom shows ":wq", indicating the file has been written and quit.

Verifying the repo and the path



A screenshot of a terminal window showing the contents of the "/etc/yum.repos.d" directory. The terminal output is as follows:

```
[root@localhost ~]# cd /etc/yum.repos.d/
[root@localhost yum.repos.d]# ls
CentOS-AppStream.repo  CentOS-CR.repo  CentOS-fasttrack.repo  CentOS-PowerTools.repo  webmin.repo
CentOS-Base.repo      CentOS-Debuginfo.repo  CentOS-HA.repo  CentOS-Sources.repo
CentOS-centosplus.repo  CentOS-Extras.repo  CentOS-Media.repo  CentOS-Vault.repo
[root@localhost yum.repos.d]#
```

Importing key for webmin.

`rpm --import http://www.webmin.com/jcameron-key.asc`

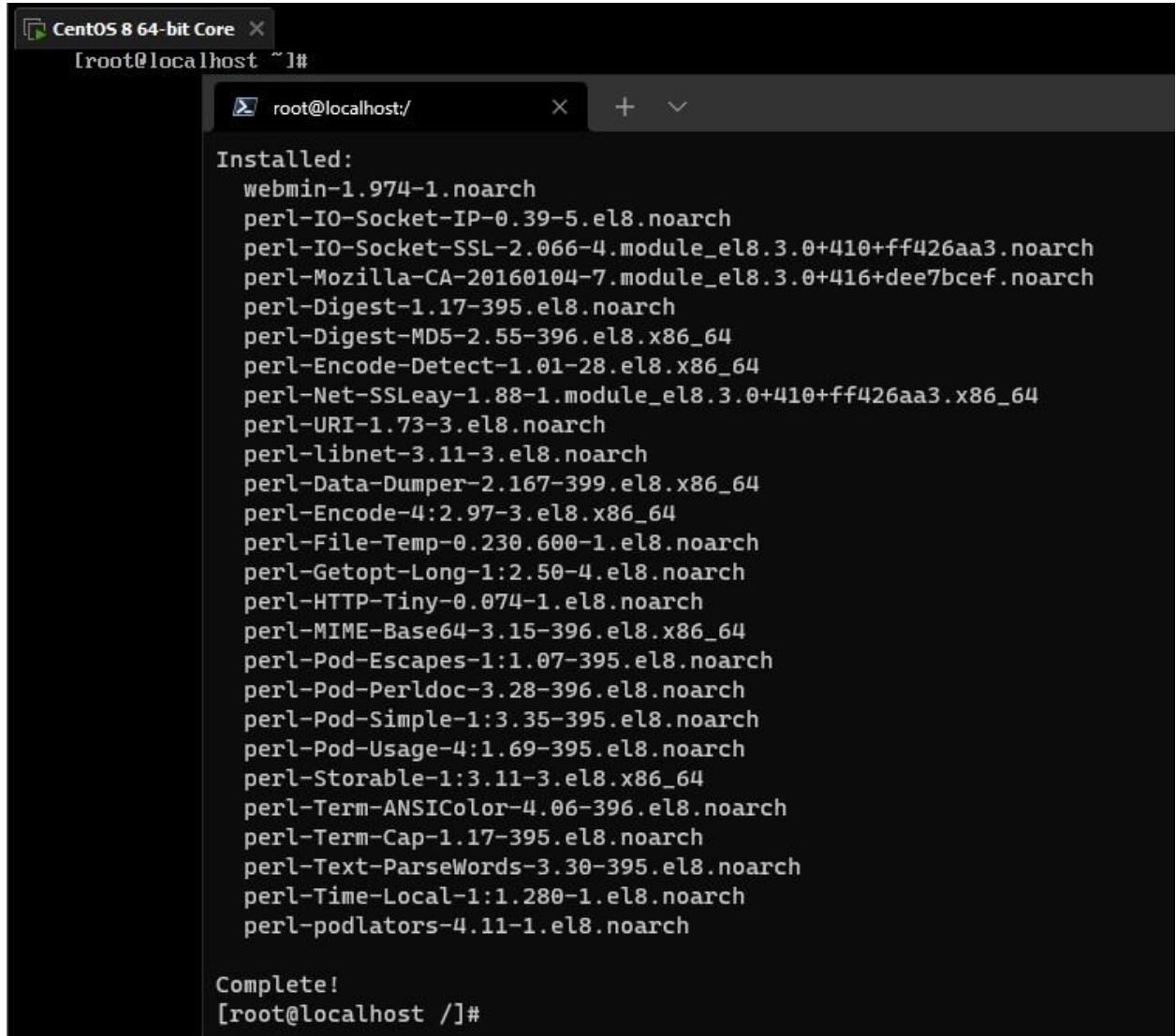
```
CentOS 8 64-bit Core
[root@localhost ~]#
root@localhost/etc/yum.repos.d/
[root@localhost yum.repos.d]# rpm --import http://www.webmin.com/jcameron-key.asc
[root@localhost yum.repos.d]#
```

After initialing the repository now you can install the Webmin with usual command.

`#yum -y install webmin`

```
CentOS 8 64-bit Core
[root@localhost ~]#
root@localhost/
[root@localhost /]# yum -y install webmin
Webmin Distribution
Last metadata expiration check: 0:00:26 ago on Sat 15 May 2021 03:27:49 AM EDT.
Dependencies resolved.
=====
Package                                Architecture Version                                Repository                               Size
=====
Installing:
webmin                                 noarch      1.974-1                                Webmin                                   39 M
Installing dependencies:
perl-Digest                            noarch      1.17-395.el8                           AppStream                               27 k
perl-Digest-MD5                        x86_64      2.55-396.el8                           AppStream                               37 k
perl-Encode-Detect                     x86_64      1.01-28.el8                             AppStream                               90 k
perl-Net-SSLeay                        x86_64      1.88-1.module_el8.3.0+410+ff426aa3     AppStream                               379 k
perl-URI                               noarch      1.73-3.el8                              AppStream                               116 k
perl-libnet                           noarch      3.11-3.el8                              AppStream                               121 k
perl-Data-Dumper                      x86_64      2.167-399.el8                           BaseOS                                   58 k
perl-Encode                           x86_64      4:2.97-3.el8                            BaseOS                                   1.5 M
perl-File-Temp                         noarch      0.230.600-1.el8                         BaseOS                                   63 k
perl-Getopt-Long                       noarch      1:2.50-4.el8                            BaseOS                                   63 k
perl-HTTP-Tiny                         noarch      0.074-1.el8                             BaseOS                                   58 k
perl-MIME-Base64                       x86_64      3.15-396.el8                            BaseOS                                   31 k
perl-Pod-Escapes                       noarch      1:1.07-395.el8                          BaseOS                                   20 k
perl-Pod-Perldoc                      noarch      3.28-396.el8                            BaseOS                                   86 k
perl-Pod-Simple                       noarch      1:3.35-395.el8                          BaseOS                                   213 k
perl-Pod-Usage                         noarch      4:1.69-395.el8                          BaseOS                                   34 k
perl-Storable                         x86_64      1:3.11-3.el8                            BaseOS                                   98 k
perl-Term-ANSIColor                   noarch      4.06-396.el8                            BaseOS                                   46 k
perl-Term-Cap                          noarch      1.17-395.el8                            BaseOS                                   23 k
perl-Text-ParseWords                  noarch      3.30-395.el8                            BaseOS                                   18 k
```

The packages that are installed with webmin.

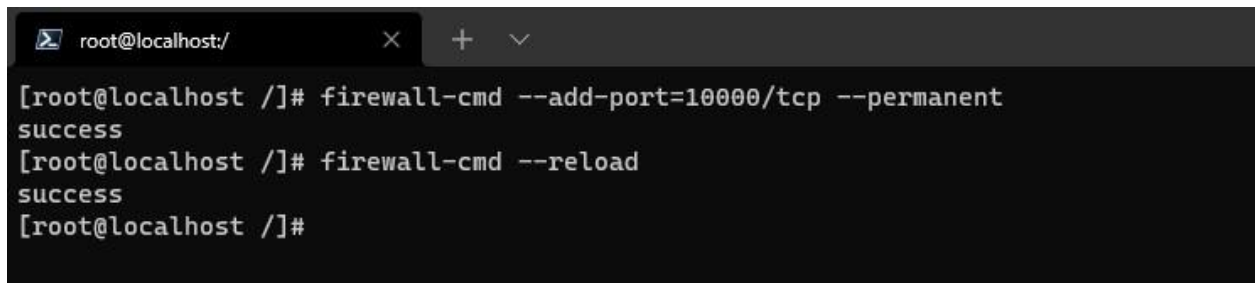


```
CentOS 8 64-bit Core x
[root@localhost ~]#

root@localhost:/
Installed:
webmin-1.974-1.noarch
perl-IO-Socket-IP-0.39-5.el8.noarch
perl-IO-Socket-SSL-2.066-4.module_el8.3.0+410+ff426aa3.noarch
perl-Mozilla-CA-20160104-7.module_el8.3.0+416+dee7bcef.noarch
perl-Digest-1.17-395.el8.noarch
perl-Digest-MD5-2.55-396.el8.x86_64
perl-Encode-Detect-1.01-28.el8.x86_64
perl-Net-SSLeay-1.88-1.module_el8.3.0+410+ff426aa3.x86_64
perl-URI-1.73-3.el8.noarch
perl-libnet-3.11-3.el8.noarch
perl-Data-Dumper-2.167-399.el8.x86_64
perl-Encode-4:2.97-3.el8.x86_64
perl-File-Temp-0.230.600-1.el8.noarch
perl-Getopt-Long-1:2.50-4.el8.noarch
perl-HTTP-Tiny-0.074-1.el8.noarch
perl-MIME-Base64-3.15-396.el8.x86_64
perl-Pod-Escapes-1:1.07-395.el8.noarch
perl-Pod-Perldoc-3.28-396.el8.noarch
perl-Pod-Simple-1:3.35-395.el8.noarch
perl-Pod-Usage-4:1.69-395.el8.noarch
perl-Storable-1:3.11-3.el8.x86_64
perl-Term-ANSIColor-4.06-396.el8.noarch
perl-Term-Cap-1.17-395.el8.noarch
perl-Text-ParseWords-3.30-395.el8.noarch
perl-Time-Local-1:1.280-1.el8.noarch
perl-podlators-4.11-1.el8.noarch

Complete!
[root@localhost /]#
```

Adding the firewall rules.



```
root@localhost:/
[root@localhost /]# firewall-cmd --add-port=10000/tcp --permanent
success
[root@localhost /]# firewall-cmd --reload
success
[root@localhost /]#
```

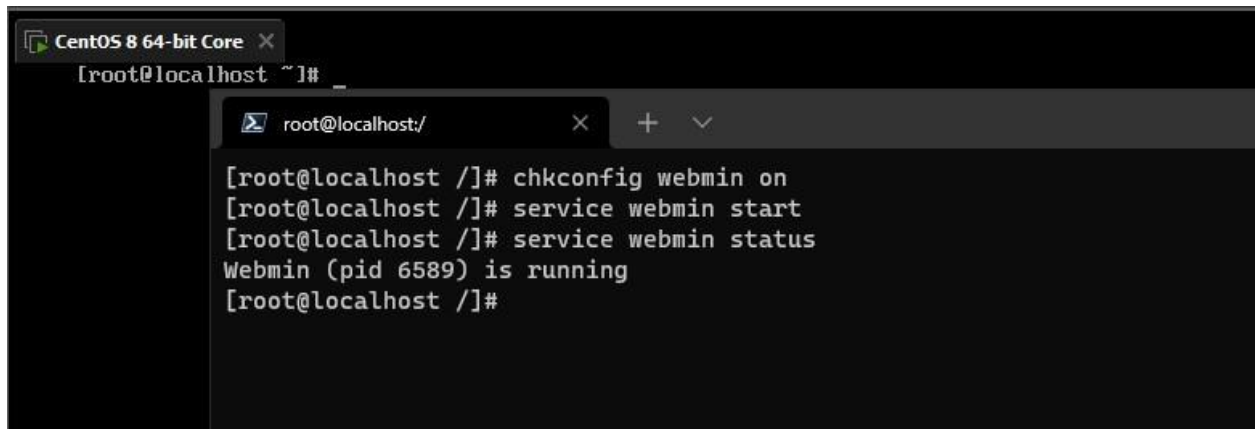
Now I'm making sure it has started and turning on the "webmin auto on" when restarting.

```
#chkconfig webmin on
```

command you must enable the configuration

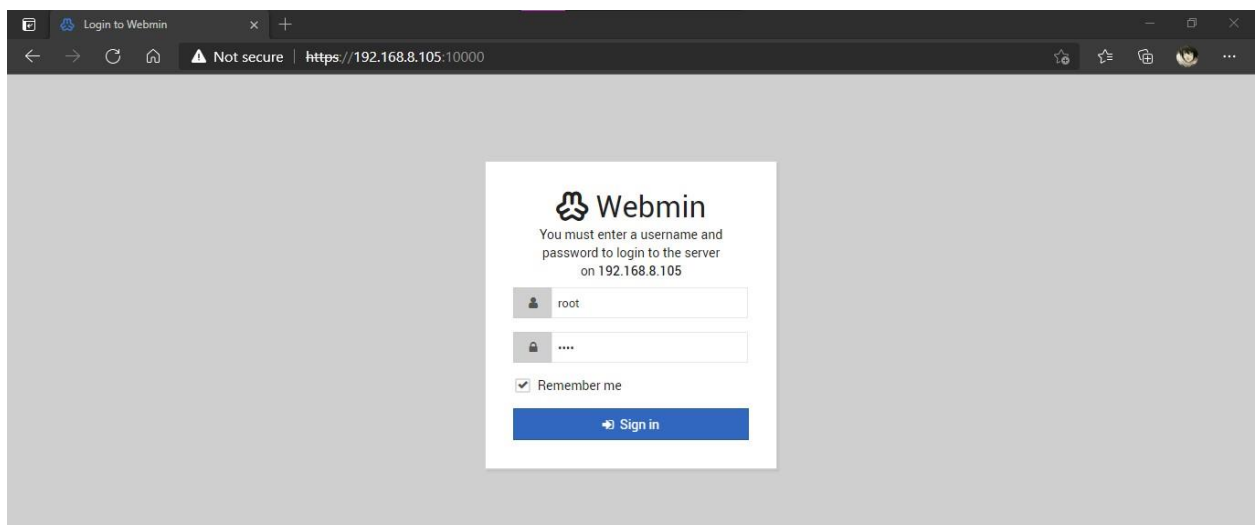
```
#service webmin start
```

```
#service webmin status
```



```
CentOS 8 64-bit Core x
[root@localhost ~]#
root@localhost/
[root@localhost /]# chkconfig webmin on
[root@localhost /]# service webmin start
[root@localhost /]# service webmin status
Webmin (pid 6589) is running
[root@localhost /]#
```

Now using the machine IP address in your browser, you can successfully login into the webmin portal and use the credential you used to login to the machine



And you will navigated to the Webmin Portal.

