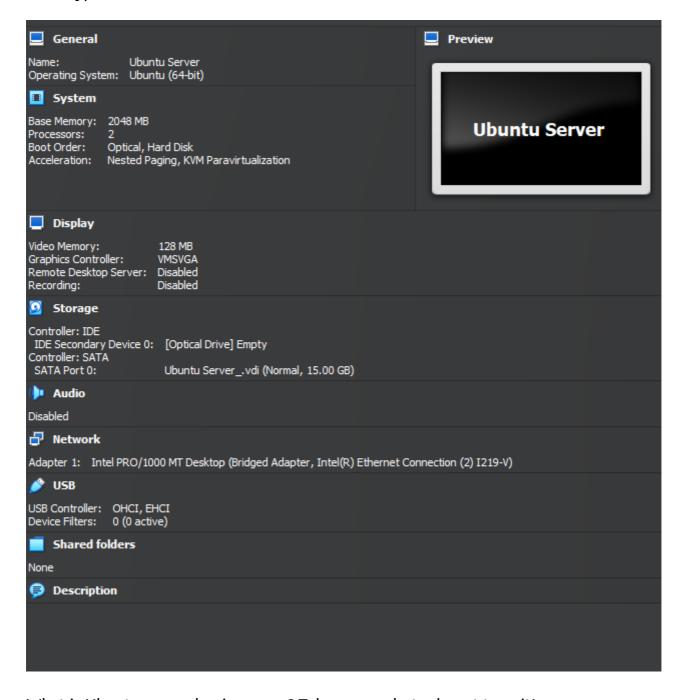
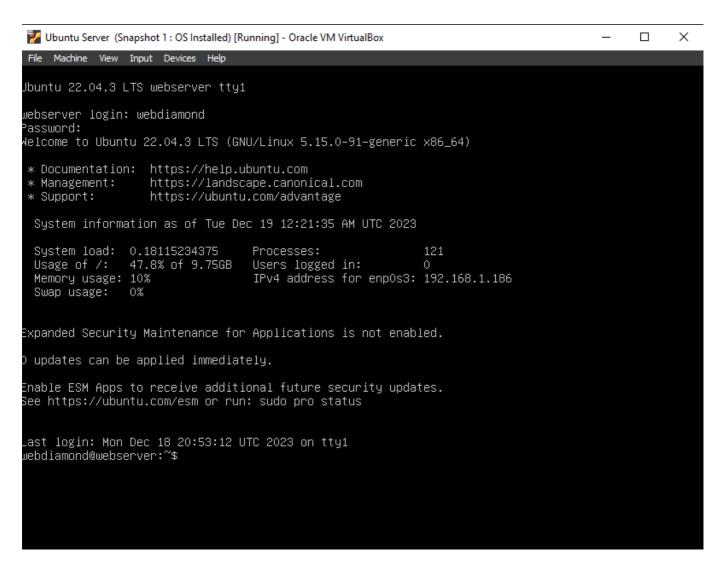
What are the server hardware specifications (virtual machine settings)? Take a screenshot - don't type it!



What is Ubuntu server log in screen? Take screenshot - do not type it!



What is the IP address of your Ubuntu Server Virtual Machine?

My IP address for Ubuntu Server 192.168.1.186

How do you enable the Ubuntu Firewall?

This command enable firewall sudo ufw enable



How do you check if the Ubuntu Firewall is running?

This command check status firewall sudo ufw status

\$ sudo ufw status

Output

Status: active Logging: on (low)

Default: deny (incoming), allow (outgoing), deny (routed)

New profiles: skip

How do you disable the Ubuntu Firewall?

To disable Ubuntu firewall sudo UFW disable

How do you add Apache to the Firewall?

This command is to add firewall sudo ufw allow 'Apache'

What is the command you used to install Apache?

This command is to install Apapche sudo apt install apache2 -y

What is the command you use to check if Apache is running?

Allow to check if Apache still running sudo systemctl status apache2 --no-pager

What is the command you use to stop Apache?

Stop Apache sudo systemctl stop apache2

What is the command you use to restart Apache?

Allow to restart Apache sudo systematl restart apache2

What is the command used to test Apache configuration?

To test Apache configuration sudo apachectl -t

What is the command used to check the installed version of Apache?

Check the Apache installed version sudo apache 2 -v

What are the most common commands to troubleshoot Apache errors? Provide a brief description of each command.

This command checks the Apache configuration files for syntax errors. apachectl configtest Control and interact with Linux service systemctl Service Manager systemd View the logs journalctl on the systemd Apache configuration apachectl

Which are Apache Log Files, and what are they used for? Provide examples and screenshots.

Troubleshooting Apache on a Fedora /var/log/httpd/error_log

```
Error Log Examples

[Wed Jul 15 01:34:12.093005 2020] [proxy:error] [pid 13949:tid 140150453516032] (13)Pe

[Wed Jul 15 01:34:12.093078 2020] [proxy_http:error] [pid 13949:tid 140150453516032] [
```

sudo tail -n 2 /var/log/apache2/error.log