PoC for XAMPP root account password process:

1. First install xampp any version
2. Then start apache & mysql services through xampp control panel
3. Once localhost phpmyadmin is accessed, goto phpmyadmin dashboard
4. Then goto users section
5. Delete **(any)** named users from users table
6. Create a new demo users with **NO** privileges
7. Change the root passwords as well
8. Logout and verify the credentials of root & users that we made before & check the privileges by making a database

PoC for multisite wordpress configuration with specific ports on XAMPP (Apache):

1. Download wordpress & Xampp
2. Once done downloading xampp, install xampp & make two different folders with different names, along with the databases in phpmyadmin
3. Extract wordpress files & rename both folders
4. Install wordpress through web browser by giving the same name as given before in phpmyadmin database
5. Once wordpress is installed, Open the dashboard add download some favorite themes from appearance section then activate the downloaded theme in order to view it on a new tab
6. Repeat the same process for 2nd static wordpress site
7. Once done performing the 2 or more static website tasks, goto the Xampp folder
8. Then goto this path "**C:\xampp\apache\conf\extra**"
9. We have to make changes in two files
    a. One file is named as **httpd-vhosts**
    b. Another file named as **httpd-conf** located in **C:\xampp\apache\conf.**
10. In **httpd-vhosts** file, we have to add this command at the end:

```
a. <VirtualHost *:8081>
b.     ServerAdmin webmaster@dummy-host2.example.com
```

```
    DocumentRoot "C:/xampp/htdocs/static-web-02"
    ServerName staticv1.localhost
</VirtualHost>

<VirtualHost *:8082>
    ServerAdmin webmaster@dummy-host.example.com
    DocumentRoot "C:/xampp/htdocs/static-web-03"
    ServerName static2.localhost
</VirtualHost>
```

11. In **httpd-conf file,** we have to add these line

```
Listen 8081
Listen 8082
Or any ports you want to specify, according to your requirements.
```

12. Once done configuring all the changes, restart the apache from xampp server.
13. Check the localhost URL by adding specific ports.

PoC for deploying multi site application with specific ports using Nginx:

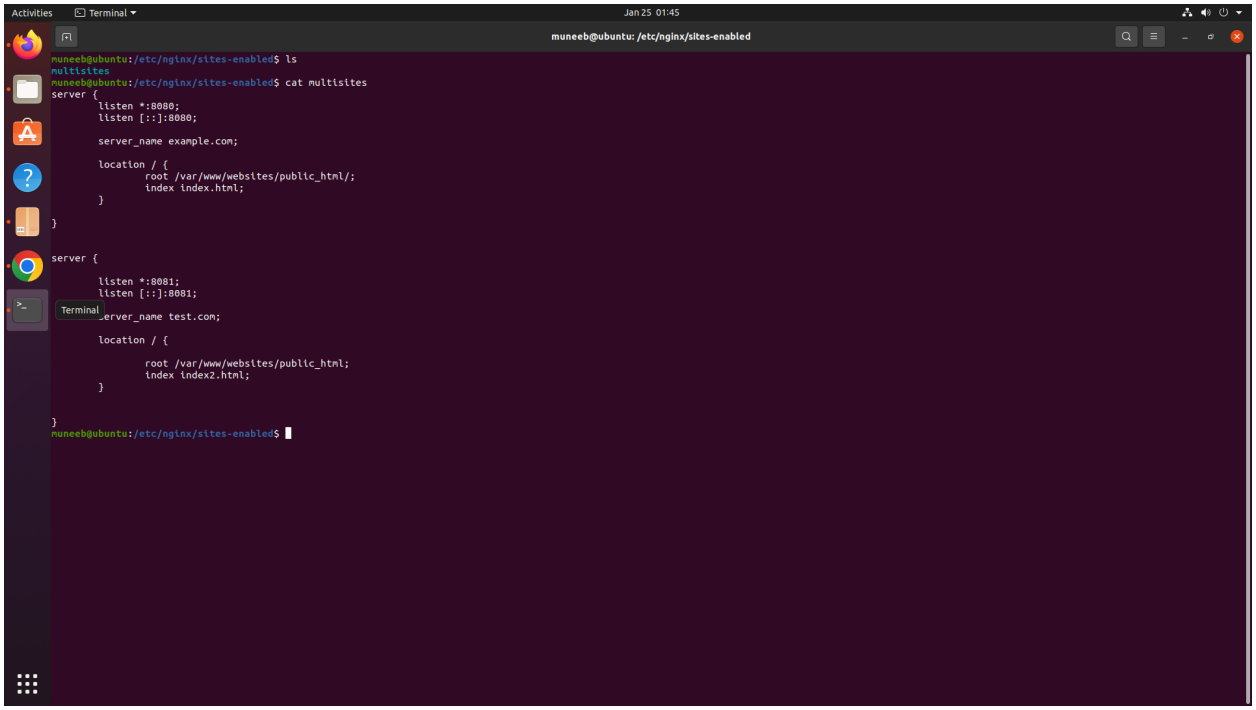
- Install nginx by the command,
    - **Apt-get install nginx -y**
- Check your nginx web server whether it is running or not. If not then, enable them first & then start services. Steps to check:
    - **Sudo systemctl enable nginx.service**
    - **Sudo service nginx start**
    - **Sudo service nginx status**
- Make a directory & add two html files for static websites.
- After making html files, run these commands :
    - **sudo mkdir -p /var/www/websites2/public_html**
    - **sudo chown -R muneeb:muneeb /var/www/websites/public_html/**
    - **sudo chmod 775 /var/www/websites/public_html/**
- Add those html files in the above directory.

    - **cp example.html /var/www/websites/public_html/index.html**
    - **cp test.html /var/www/websites/public_html/index2.html**
- Goto this directory
    - **cd /etc/nginx/sites-available/**
- Make a new file with a custom name through nano/vim editor & add these server blocks, but remember the path where you have copied your static website files.

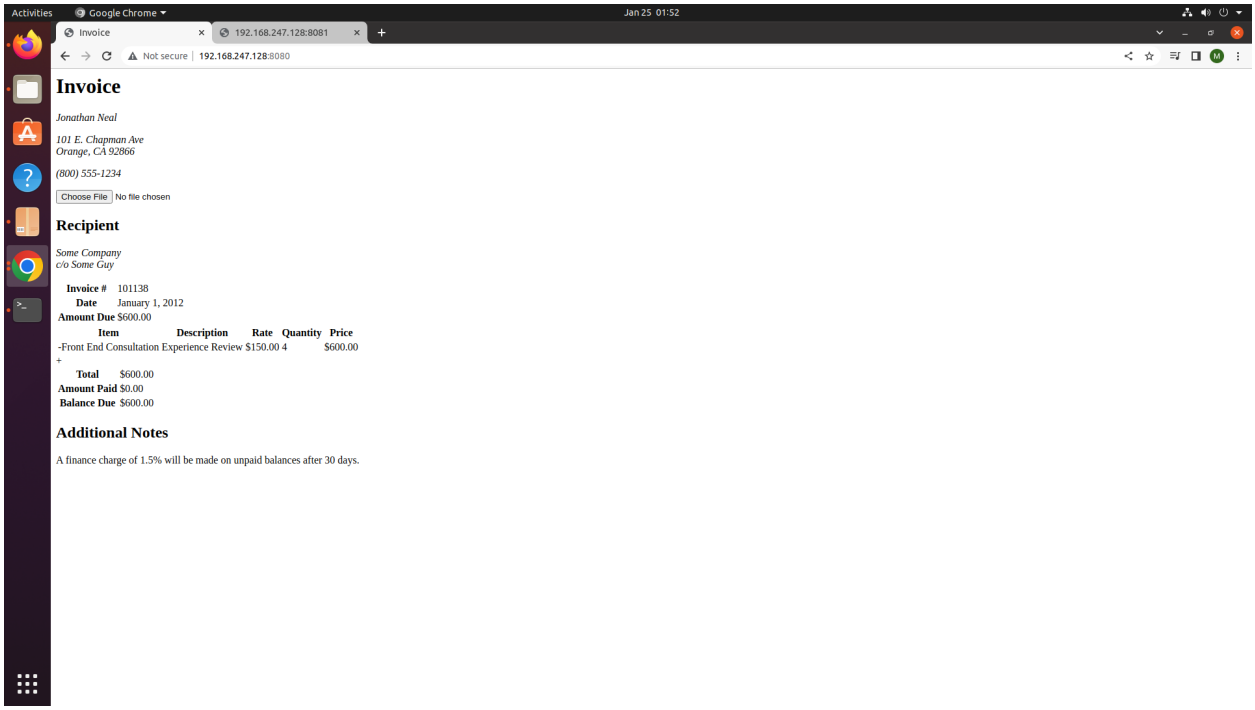
Server Block Code:

```
server {
        listen *:8080;
        listen [::]:8080;
        server_name example.com;
        location / {
                root /var/www/websites/public_html/;
                index index.html;
        }
}

  server {
        listen *:8081;
        listen [::]:8081;
        server_name test.com;
        location / {
                root /var/www/websites/public_html;
                index index2.html;
        }
}
```



- Once done making a file, copy this file in a new directory **/etc/nginx/sites-enabled/**
- Run this command:
    - **sudo ln -s /etc/nginx/sites-available/customwebsites ../sites-enabled/multisites**
- Delete the default file that will exist in both sites-enabled & sites-directory
- Run this command: **nginx -t** to verify the syntax of files we made earlier.
- Restart the nginx service:
    - **Sudo systemctl restart nginx.service**
- Check & verify the static website with custom ports on your browser.



Invoice

Jonathan Neal

101 E. Chapman Ave
Orange, CA 92866

(800) 555-1234

Choose File No file chosen

Recipient

Some Company
c/o Some Guy

Invoice # 101138
Date January 1, 2012
Amount Due $600.00

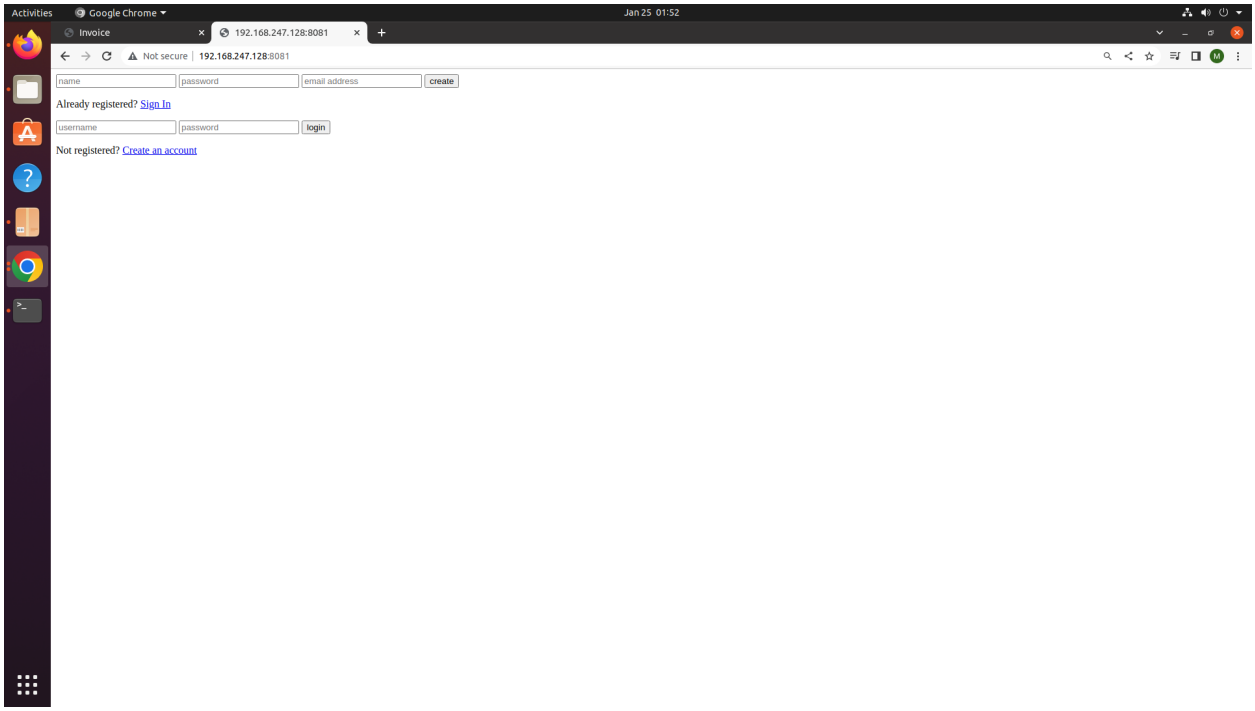
Item	Description	Rate	Quantity	Price
-Front End Consultation	Experience Review	$150.00	4	$600.00

+

Total $600.00
Amount Paid $0.00
Balance Due $600.00

Additional Notes

A finance charge of 1.5% will be made on unpaid balances after 30 days.

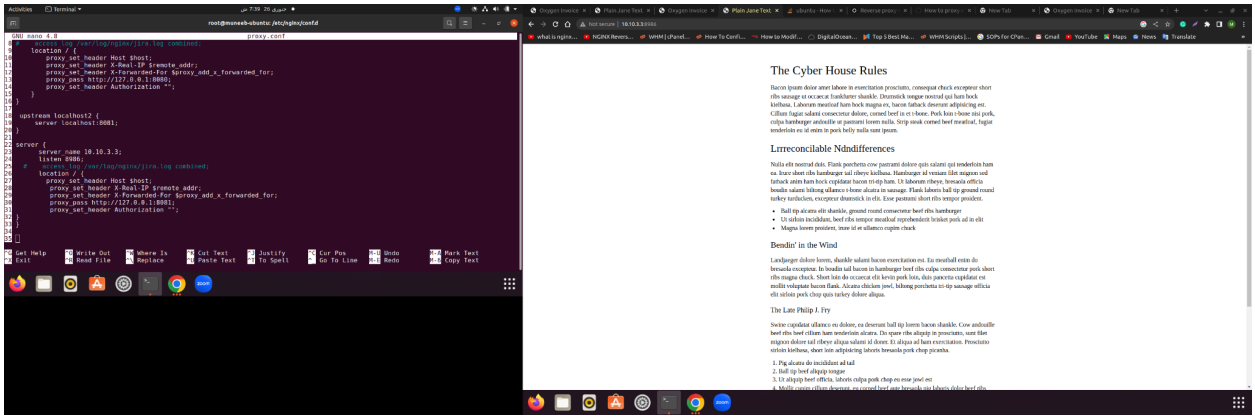


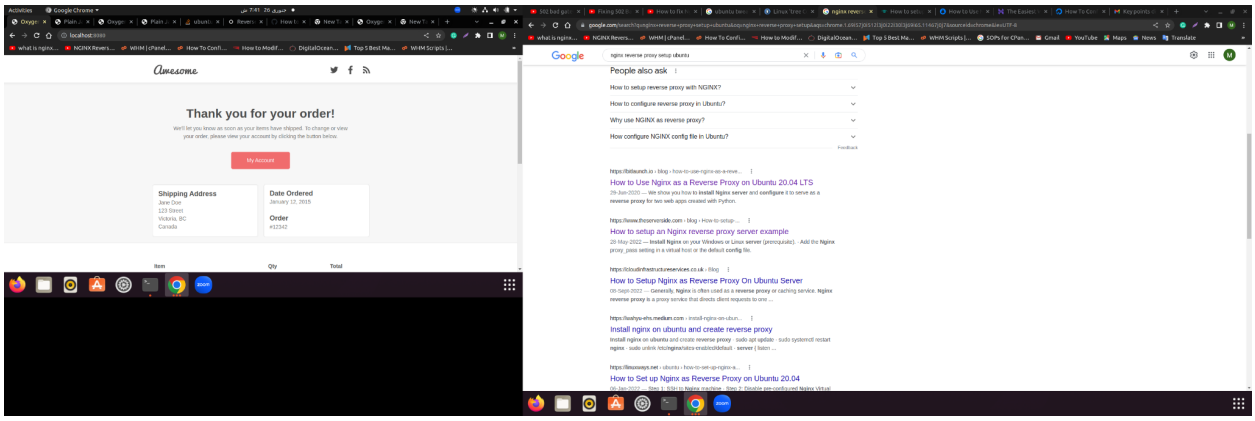
PoC for deploying multi site application with specific ports using NGINX REVERSE PROXY:

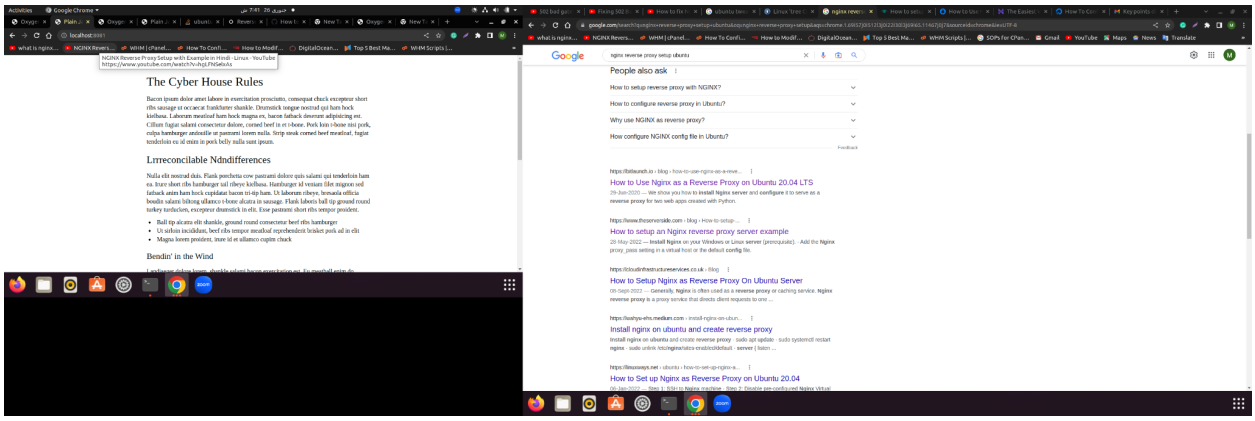
In this scenario, the process of reverse proxy will be the same as the previous one, i.e, PoC for deploying multi-site applications with specific ports. But we have to make some changes in the file which will be made later on.
Path directory to make changes in file: /etc/nginx/conf.d/
New file: proxy.conf
Add these statements in the above file that is made in the above directory.

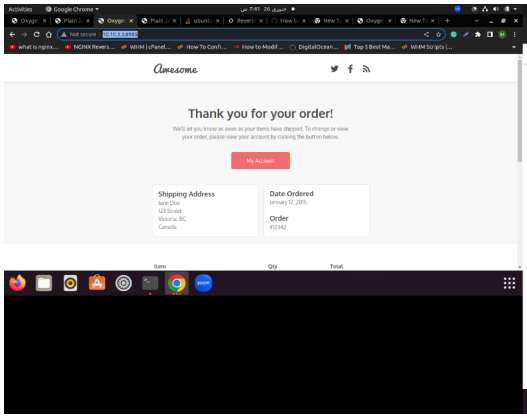
```
upstream localhost {
   server localhost:8985;
}
server {
   server_name 192.168.17.130;
   listen 8985;
   location / {
      proxy_set_header Host $host;
      proxy_set_header X-Real-IP $remote_addr;
      proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
      proxy_pass http://127.0.0.1:8080;
      proxy_set_header Authorization "";
   }
}
 upstream localhost2 {
    server localhost:8986;
}
server {
     server_name 192.168.17.130;
     listen 8986;
     location / {
       proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_pass http://127.0.0.1:8081;
        proxy_set_header Authorization "";
}
}
```

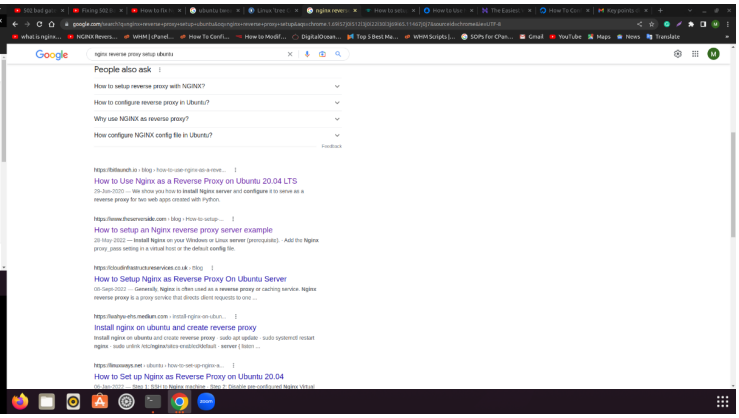
- Once done making the file, refresh the nginx service & debug the syntax with the following commands:
    - **Sudo nginx -t** (for syntax verification)
    - **Sudo service nginx force-reload**
    - **Sudo service nginx restart**
- Then check the multisite on the browser with the port.

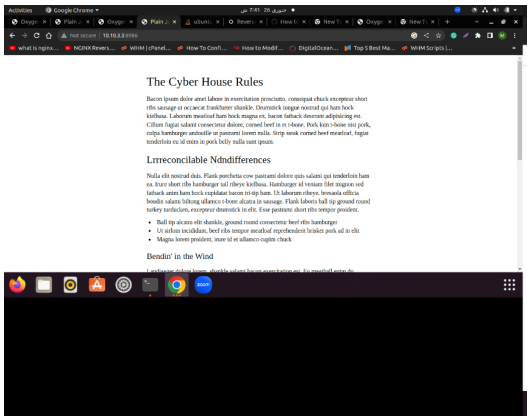


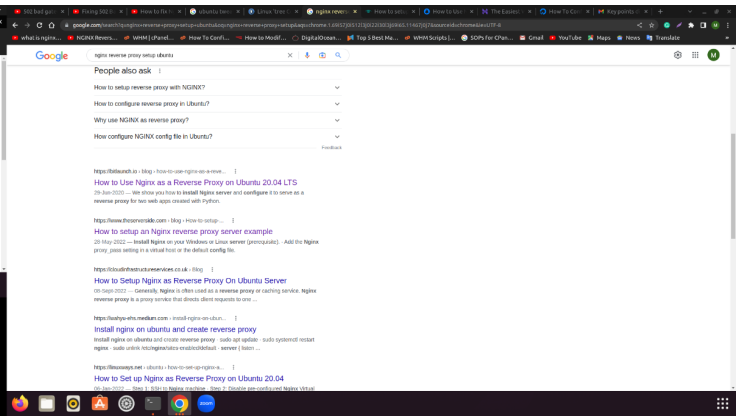





Awesome
Thank you for your order!
We'll let you know as soon as your items have shipped. To change or view your order, please view your account by clicking the button below.
My Account
Shipping Address
Jane Doe
123 Street
Victoria, BC
Canada
Date Ordered
January 17, 2015
Order
#12342
Item
Qty
Total


Google
nginx reverse proxy setup ubuntu
People also ask
How to setup reverse proxy with NGINX?
How to configure reverse proxy in Ubuntu?
Why use NGINX as reverse proxy?
How configure NGINX config file in Ubuntu?
Feedback
How to Use Nginx as a Reverse Proxy on Ubuntu 20.04 LTS
How to setup an Nginx reverse proxy server example
How to Setup Nginx as Reverse Proxy On Ubuntu Server
Install nginx on ubuntu and create reverse proxy
How to Set up Nginx as Reverse Proxy on Ubuntu 20.04


The Cyber House Rules
Lrrreconcilable Ndndifferences
Bendin' in the Wind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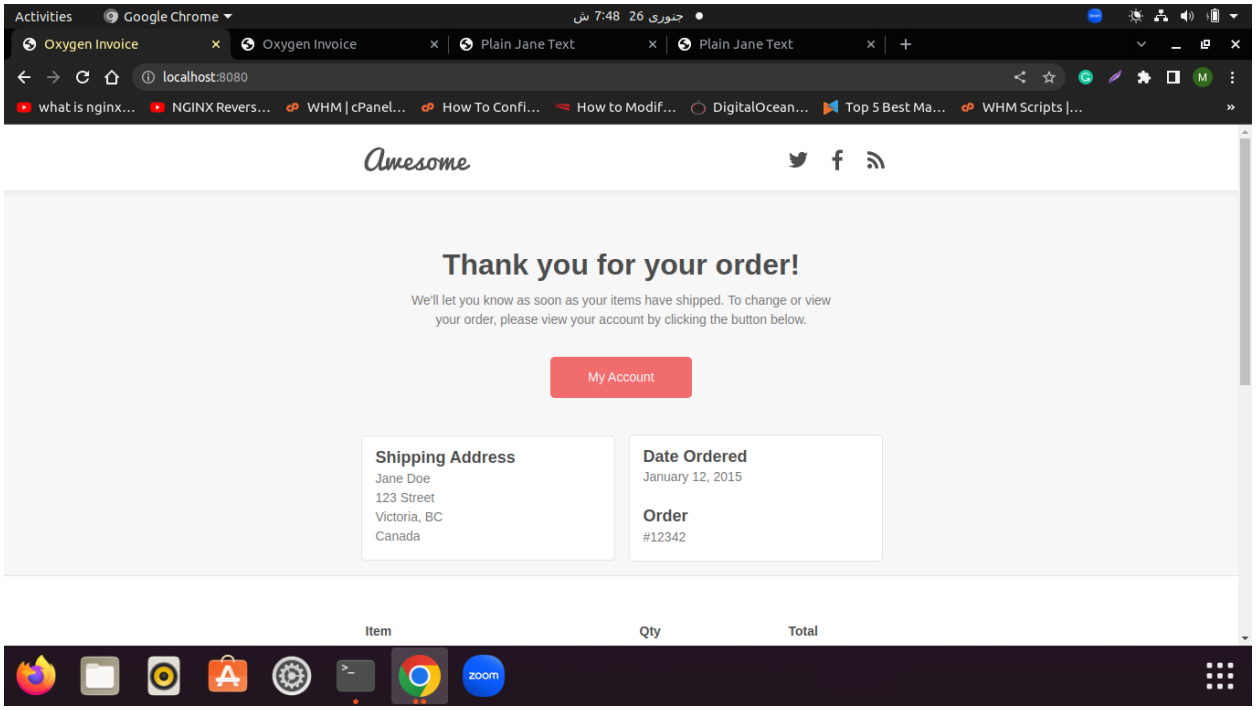
Activities
Google Chrome
Oxygen Invoice
Oxygen Invoice
Plain Jane Text
Plain Jane Text
localhost:8080
what is nginx...
NGINX Revers...
WHM | cPanel...
How To Confi...
How to Modif...
DigitalOcean...
Top 5 Best Ma...
WHM Scripts |...
Awesome
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Shipping Address
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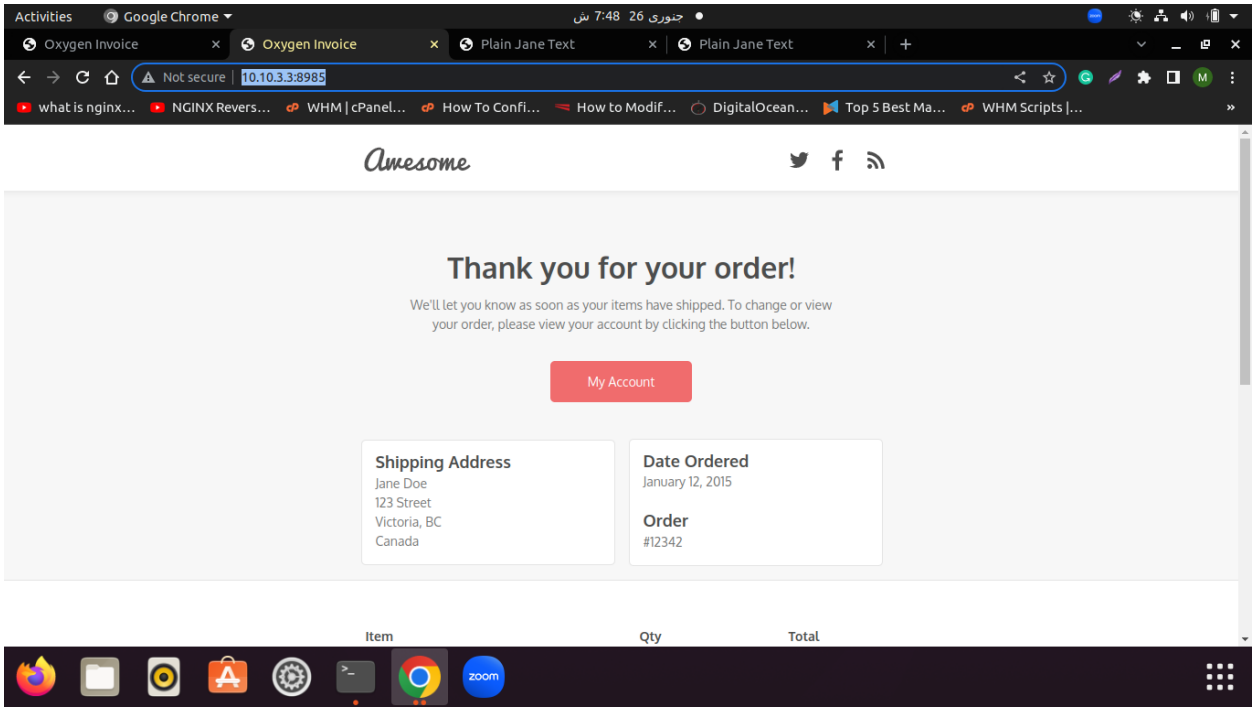
Item
Qty
Total


Activities
Google Chrome
Oxygen Invoice
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Plain Jane Text
Plain Jane Text
Not secure
10.10.3.3:8985
what is nginx...
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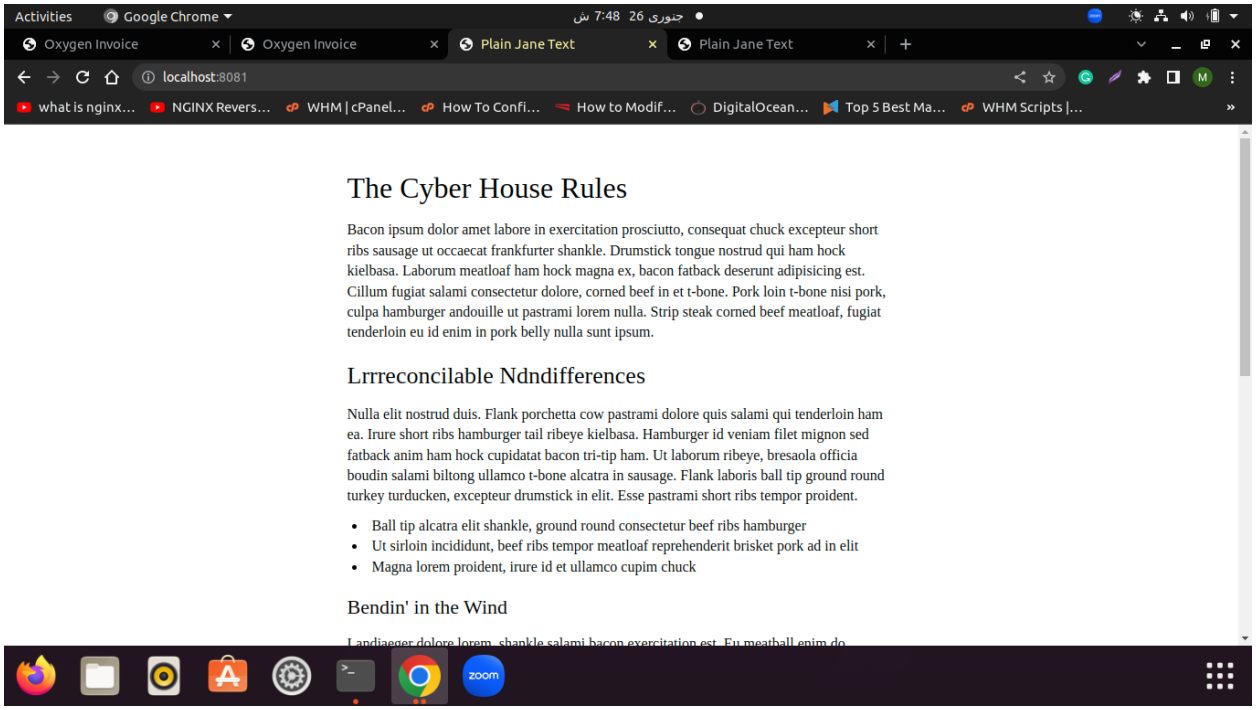
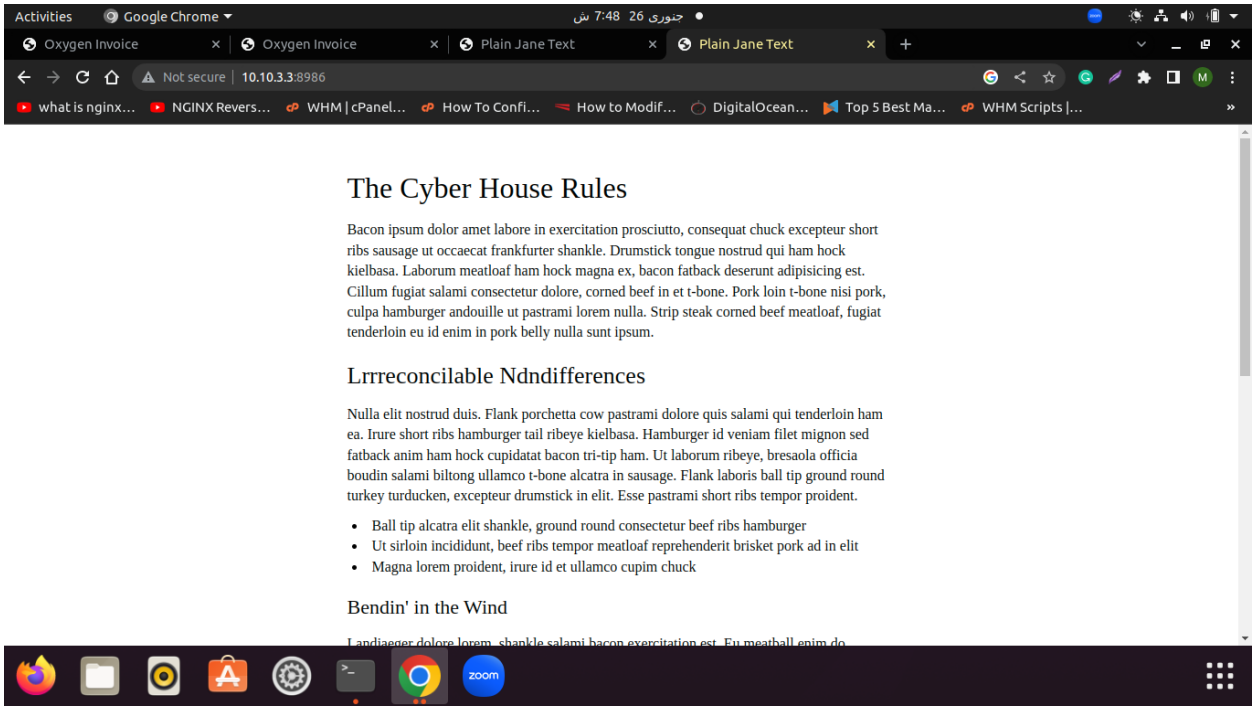

Activities
Google Chrome
ش 7:48 26 جنوری
Oxygen Invoice
Oxygen Invoice
Plain Jane Text
Plain Jane Text
localhost:8081
what is nginx…
NGINX Revers…
WHM | cPanel…
How To Confi…
How to Modif…
DigitalOcean…
Top 5 Best Ma…
WHM Scripts |…
The Cyber House Rules
Bacon ipsum dolor amet labore in exercitation prosciutto, consequat chuck excepteur short ribs sausage ut occaecat frankfurter shankle. Drumstick tongue nostrud qui ham hock kielbasa. Laborum meatloaf ham hock magna ex, bacon fatback deserunt adipisicing est. Cillum fugiat salami consectetur dolore, corned beef in et t-bone. Pork loin t-bone nisi pork, culpa hamburger andouille ut pastrami lorem nulla. Strip steak corned beef meatloaf, fugiat tenderloin eu id enim in pork belly nulla sunt ipsum.
Lrrreconcilable Ndndifferences
Nulla elit nostrud duis. Flank porchetta cow pastrami dolore quis salami qui tenderloin ham ea. Irure short ribs hamburger tail ribeye kielbasa. Hamburger id veniam filet mignon sed fatback anim ham hock cupidatat bacon tri-tip ham. Ut laborum ribeye, bresaola officia boudin salami biltong ullamco t-bone alcatra in sausage. Flank laboris ball tip ground round turkey turducken, excepteur drumstick in elit. Esse pastrami short ribs tempor proident.
Ball tip alcatra elit shankle, ground round consectetur beef ribs hamburger
Ut sirloin incididunt, beef ribs tempor meatloaf reprehenderit brisket pork ad in elit
Magna lorem proident, irure id et ullamco cupim chuck
Bendin' in the Wind
zoom


Activities
Google Chrome
ش 7:48 26 جنوری
Oxygen Invoice
Oxygen Invoice
Plain Jane Text
Plain Jane Text
Not secure | 10.10.3.3:8986
what is nginx...
NGINX Revers...
WHM | cPanel...
How To Confi...
How to Modif...
DigitalOcean...
Top 5 Best Ma...
WHM Scripts |...
The Cyber House Rules
Bacon ipsum dolor amet labore in exercitation prosciutto, consequat chuck excepteur short ribs sausage ut occaecat frankfurter shankle. Drumstick tongue nostrud qui ham hock kielbasa. Laborum meatloaf ham hock magna ex, bacon fatback deserunt adipisicing est. Cillum fugiat salami consectetur dolore, corned beef in et t-bone. Pork loin t-bone nisi pork, culpa hamburger andouille ut pastrami lorem nulla. Strip steak corned beef meatloaf, fugiat tenderloin eu id enim in pork belly nulla sunt ipsum.
Lrrreconcilable Ndndifferences
Nulla elit nostrud duis. Flank porchetta cow pastrami dolore quis salami qui tenderloin ham ea. Irure short ribs hamburger tail ribeye kielbasa. Hamburger id veniam filet mignon sed fatback anim ham hock cupidatat bacon tri-tip ham. Ut laborum ribeye, bresaola officia boudin salami biltong ullamco t-bone alcatra in sausage. Flank laboris ball tip ground round turkey turducken, excepteur drumstick in elit. Esse pastrami short ribs tempor proident.
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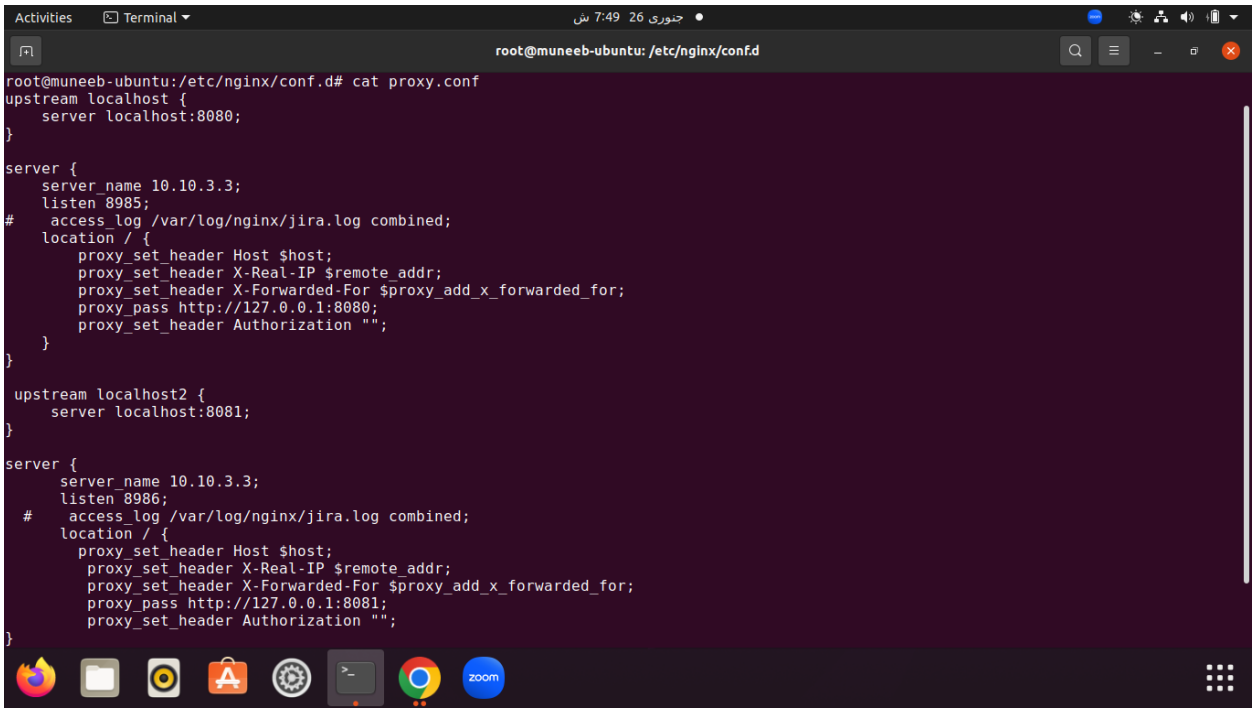
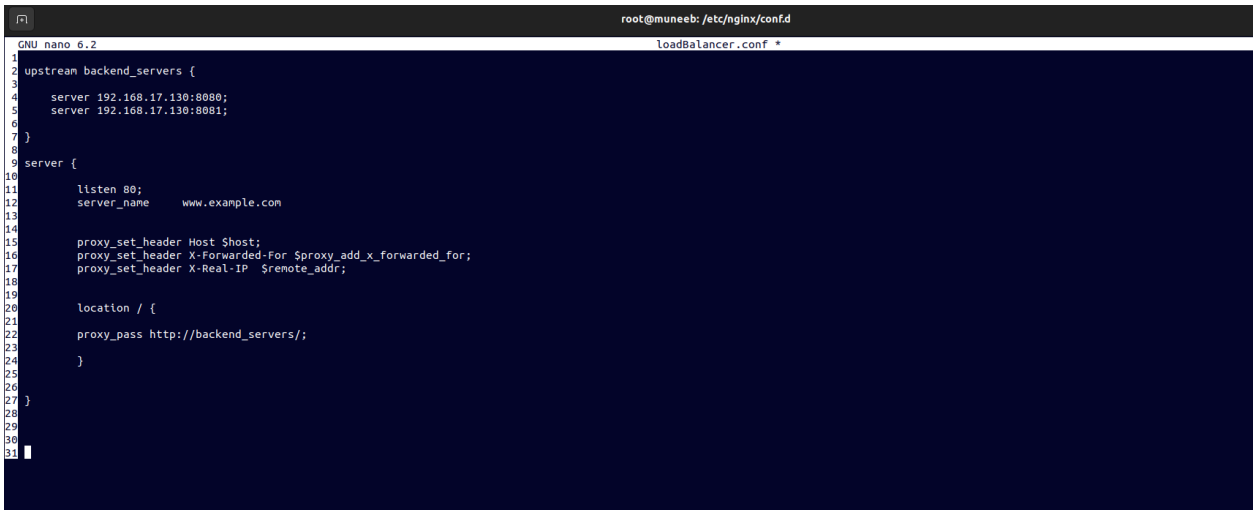
Magna lorem proident, irure id et ullamco cupim chuck
Bendin' in the Wind
zoom

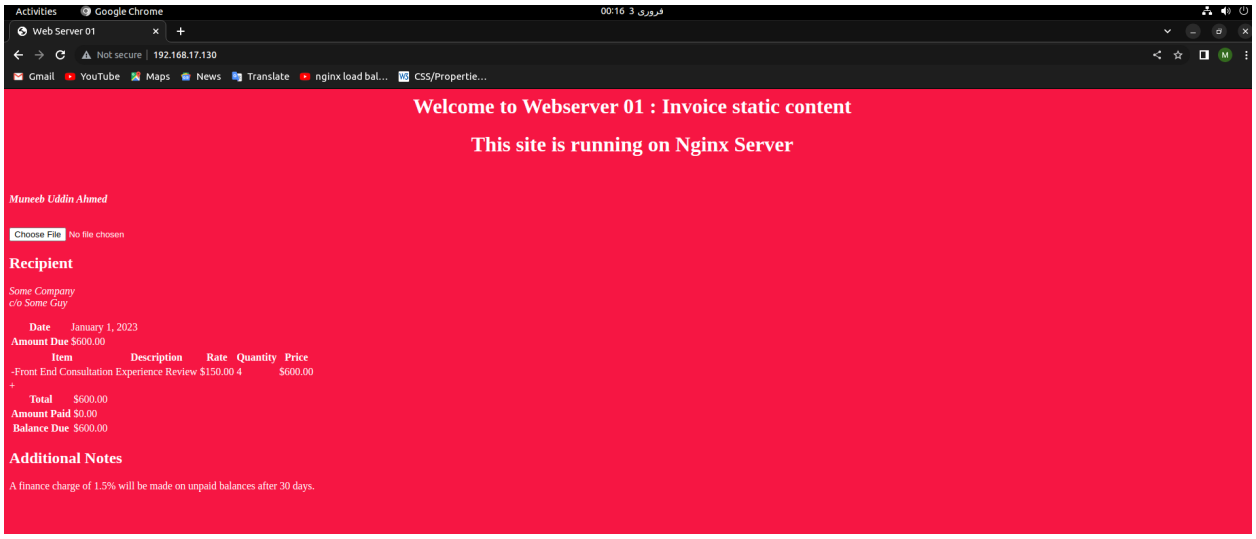

Activities
Terminal
ش 7:49 26 جنوری
root@muneeb-ubuntu: /etc/nginx/conf.d
root@muneeb-ubuntu:/etc/nginx/conf.d# cat proxy.conf
upstream localhost {
server localhost:8080;
}
server {
server_name 10.10.3.3;
listen 8985;
# access_log /var/log/nginx/jira.log combined;
location / {
proxy_set_header Host $host;
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_pass http://127.0.0.1:8080;
proxy_set_header Authorization "";
}
}
upstream localhost2 {
server localhost:8081;
}
server {
server_name 10.10.3.3;
listen 8986;
# access_log /var/log/nginx/jira.log combined;
location / {
proxy_set_header Host $host;
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_pass http://127.0.0.1:8081;
proxy_set_header Authorization "";
}
zoom

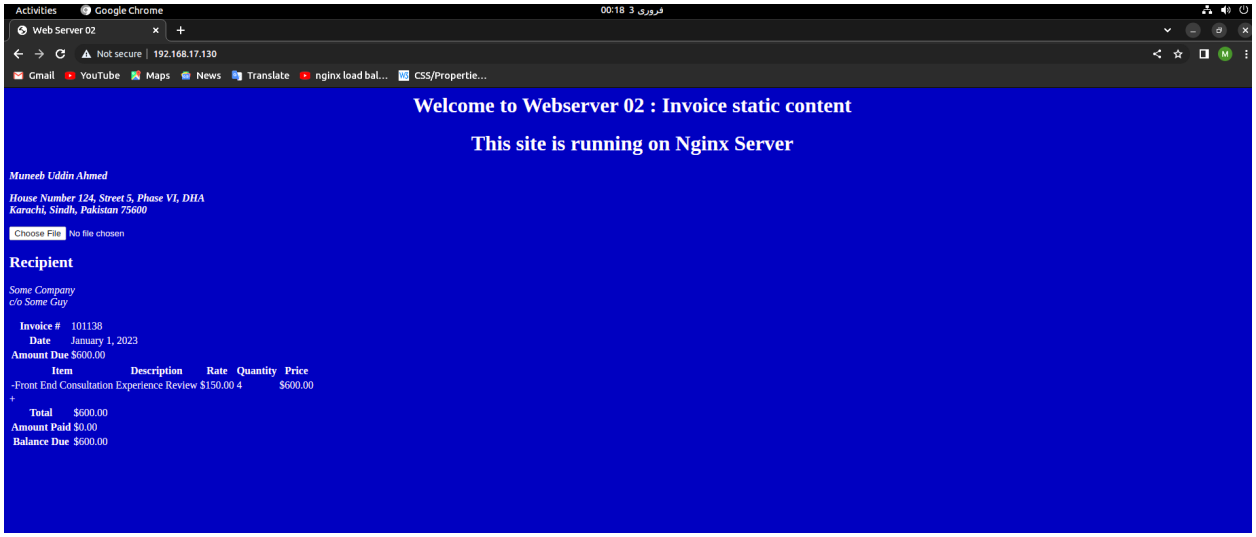
PoC for deploying multi site application with specific ports using NGINX REVERSE PROXY ALONG WITH LOAD BALANCING

- Repeat the same process of Nginx reverse proxy tasks. Details already mentioned above.
- We have to make a new configuration file for **Load balancing** in a given directory:
    - **/etc/nginx/conf.d**
- In the load balancing config file, add these statements, the only thing which is going to change is the path where you have stored the static content & IP Address of a server (with custom ports). Pic attached below.



- Once adding above statements for nginx load balancer. Restart the nginx service by using any of these commands:
    - Sudo service nginx restart / force-reload
    - Sudo nginx -s reload
    - Systemctl restart nginx
- Goto the browser & check if the load balancing is working properly or not by adding your server IP address then refresh it repeatedly.





PoC for NGINX CACHING TASK along with Reverse Proxy:

- Repeat the same procedure of reverse proxy (for only 1 website) for this task.
- Goto this directory: /etc/nginx/conf.d
- Goto that file where you have passed the function & command of **proxy_pass** for reverse proxy configuration.
- Add the first line:
    - **“proxy_cache_path /var/cache/nginx levels=1:2 keys_zone={cache_name that you specify}:10m inactive=60m;“**
- After adding the above statement, add these lines after the proxy_pass statement.

- **proxy_cache** custom_cache;
- **proxy_cache_valid** any 10m;
- **add_header** X-Proxy-Cache **$upstream_cache_status**;

- After adding the above statement, save this file & restart the nginx service.
- Goto your browser, refresh the page & check the results of cache through **Inspect (Ctrl+Shift+I).**
- Goto **network** section in inspect, select your **localhost IP**.
- In **Response Header**, you will find the result of Nginx cache which shows **X-Proxy_Cache: HIT.** meaning that your caching tasks for nginx has been successfully done.

- Reference link: https://tonyteaches.tech/nginx-server-cache/