

Lab 2.1 Execute basic NGINX commands

Use the credentials: root/training when accessing the server's command line.

Check the version of NGINX running

```
nginx -v
```

1. View the default home page

```
curl http://localhost/
```

2. Show all NGINX configuration

```
nginx -T
```

Lab 2.2 Root Directive Inheritance

1. Rename the default configuration file

```
mv /etc/nginx/conf.d/default.conf /etc/nginx/conf.d/default.conf.bak
```

2. Create a new configuration file called inherit_test.conf

```
vim /etc/nginx/conf.d/inherit_test.conf
```

3. Add a server block to your configuration as follows:

```
server {  
    listen 80 default_server;  
    root /usr/share/nginx/html;  
    server_name localhost;  
    access_log /var/log/nginx/map.access.log combined;  
    error_log /var/log/nginx/map.error.log error;  
}
```

4. Save and exit inherit_test.conf

5. Reload nginx

```
nginx -s reload
```

6. curl localhost

7. Open inherit_test.conf

```
vim /etc/nginx/conf.d/inherit_test.conf
```

8. Add two location blocks to your configuration **within** the server context, as follows:

```
location / {  
}  
  
location /test {  
    root /media;  
}
```

9. Save and exit inherit_test.conf

10. Reload nginx

```
nginx -s reload  
11. curl localhost/
```

You should see the default nginx welcome screen. The location / inherits the root directive from the server context above it.

```
12. curl localhost/test
```

You should get a 404 not found error. The location /test overrides the root directive in the server context above, pointing to a directory with no content.

Each lab uses a fresh environment so remember to shut down the environment when done.