



(/)



Curriculum

SE Foundations 
Average: 120.22% 


You have a captain's log due before 2024-05-05 (in about 15 hours)! Log it now!
(/captain_logs/5650033/edit)

You just released the advanced tasks of this project. Have fun!

0x0E. Web stack debugging #1

- DevOps
- SysAdmin
- Scripting
- Debugging

 Weight: 1

 Project over - took place from Apr 2, 2024 4:00 AM to Apr 6, 2024 4:00 AM

☒ An auto review will be launched at the deadline

In a nutshell...

- **Auto QA review:** 0.0/3 mandatory & 0.0/3 optional
- **Altogether: 0.0%**
 - Mandatory: 0.0%
 - Optional: 0.0%
 - Calculation: $0.0\% + (0.0\% * 0.0\%) == 0.0\%$

Concepts

For this project, we expect you to look at these concepts:

- Network basics (/concepts/33)
- Web stack debugging (/concepts/68)





Requirements

General

- Allowed editors: `vi`, `vim`, `emacs`
- All your files will be interpreted on Ubuntu 20.04 LTS
- All your files should end with a new line
- A `README.md` file at the root of the folder of the project is mandatory
- All your Bash script files must be executable
- Your Bash scripts must pass `Shellcheck` without any error
- Your Bash scripts must run without error
- The first line of all your Bash scripts should be exactly `#!/usr/bin/env bash`
- The second line of all your Bash scripts should be a comment explaining what is the script doing
- You are not allowed to use `wget`

Tasks

0. Nginx likes port 80

mandatory

Score: 0.0% (Checks completed: 0.0%)

Using your debugging skills, find out what's keeping your Ubuntu container's Nginx installation from listening on port `80`. Feel free to install whatever tool you need, start and destroy as many containers as you need to debug the issue. Then, write a Bash script with the minimum number of commands to automate your fix. 🔍

Requirements:

- Nginx must be running, and listening on port `80` of all the server's active IPv4 IPs
- Write a Bash script that configures a server to the above requirements

```
root@966c5664b21f:/# curl 0:80
curl: (7) Failed to connect to 0 port 80: Connection refused
root@966c5664b21f:/#
root@966c5664b21f:/# ./0-nginx_likes_port_80 > /dev/null 2>1
root@966c5664b21f:/#
root@966c5664b21f:/# curl 0:80
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
  body {
    width: 35em;
    margin: 0 auto;
    font-family: Tahoma, Verdana, Arial, sans-serif;
  }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
root@966c5664b21f:/#
```

Repo:

- GitHub repository: alx-system_engineering-devops
- Directory: 0x0E-web_stack_debugging_1
- File: 0-nginx_likes_port_80

☐ Done?

Check your code

Ask for a new correction

> Get a sandbox

QA Review

1. Make it sweet and short

#advanced

Score: 0.0% (Checks completed: 0.0%)

Using what you did for task #0, make your fix short and sweet.

**Requirements:**

- Your Bash script must be 5 lines long or less
- There must be a new line at the end of the file
- You must respect usual Bash script requirements

- You cannot use ;
- (/). You cannot use &&
- You cannot use wget
- You cannot execute your previous answer file (Do not include the name of the previous script in this one)
- service (init) must say that nginx is not running ← for real

```
root@966c5664b21f:/# curl 0:80
curl: (7) Failed to connect to 0 port 80: Connection refused
root@966c5664b21f:/#
root@966c5664b21f:/# cat -e 1-debugging_made_short | wc -l
5
root@966c5664b21f:/# ./1-debugging_made_short
root@966c5664b21f:/# curl 0:80
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
  body {
    width: 35em;
    margin: 0 auto;
    font-family: Tahoma, Verdana, Arial, sans-serif;
  }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
root@966c5664b21f:/#
root@966c5664b21f:/# service nginx status
 * nginx is not running
root@966c5664b21f:/#
```

Repo:

- GitHub repository: alx-system_engineering-devops
- Directory: 0x0E-web_stack_debugging_1
- File: 1-debugging_made_short

☐ Done?

Check your code

Ask for a new correction

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QA Review

(/)

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