Docker installation shell script

#!/bin/bash

echo "Installing Docker"

if [! -f /usr/bin/docker]

then

sudo apt update

sudo apt-get install curl -y

sudo apt install apt-transport-https ca-certificates curl software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"

apt-cache policy docker-ce -y

sudo apt install docker-ce -y

sudo systemctl start docker

sudo systemctl daemon-reload

sudo systemctl status docker

sudo systemctl enable docker

sudo systemctl stop docker

sleep 3

sudo systemctl restart docker

```
sudo systemctl status docker

docker --version

else


    echo "<<<Docker is ALready Present>>>"

fi
```

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The provided script is a bash script that checks if Docker is already installed and if not, it installs Docker on an Ubuntu system. Here's a breakdown of what the script does:

1. It starts by printing "**Installing Docker**" to the console.

2. It checks if the file `**/usr/bin/docker**` exists. If the file does not exist, it means Docker is not installed, and it proceeds with the installation steps.

3. It updates the package lists using `**apt update**`.

4. It installs the `curl` package using `**apt-get install curl -y**`.

5. It installs the necessary packages for accessing the Docker repository using `**apt install apt-transport-https ca-certificates curl software-properties-common**`.

6. It downloads and adds the Docker GPG key using `**curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -**`.

7. It adds the Docker repository to the system's package sources using `**add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"**`.

8. It retrieves and displays the policy of the Docker package using `**apt-cache policy docker-ce -y**`.

9. It installs Docker using `**apt install docker-ce -y**`.

10. It starts the Docker service using `**systemctl start docker**`.

11. It reloads the systemd daemon using `**systemctl daemon-reload**`.

12. It checks the status of the Docker service using `**systemctl status docker**`.

13. It enables the Docker service to start on boot using `**systemctl enable docker**`.

14. It stops the Docker service using `**systemctl stop docker**` (for some reason).

15. It waits for 3 seconds using `**sleep 3**`.

16. It restarts the Docker service using `**systemctl restart docker**`.

17. It checks the status of the Docker service again.

18. Finally, it displays the Docker version using `**docker --version**`.

If Docker is already installed (`**/usr/bin/docker**` exists), it prints "<<<**Docker is ALready Present**>>>" and does nothing else.

Please note that this script assumes you are running it with sufficient permissions (e.g., using `sudo`) and on an Ubuntu system.