

Setup

Server Setup

- Login to the server via SSH as root
- Install sudo, create the main user, and add him to the sudoers group

```
# apt install sudo
# adduser <user>
# vi /etc/group (add <user> to line "sudo:x:27:<user>")
```

- (VPS) change the machine name:

```
sudo edit /etc/hostname
sudo edit /etc/hosts
```

- enable `force_color_prompt=yes` in file `~/ .bashrc`
- copy `/home/user/ .bashrc` to `/root` and modify `PS1` prompt color (`32m -> 31m`)

Security

- Configure [SSH Access](#)
- Install [UFW Firewall](#)
- Disable root login by changing file `/etc/passwd` from line 1 to line 2

```
root:x:0:0:root:/root:/bin/bash
root:x:0:0:root:/root:/sbin/nologin
```

Install and configure packages

- Additional packages

```
$ sudo apt update
$ sudo apt install vim
$ sudo apt install zip
$ sudo apt install rename
$ sudo apt install rsync
$ sudo apt install openjdk-17-jre openjdk-17-jdk
```

- Change visudo editor

```
$ sudo update-alternatives --config editor
```

System Startup

Debian 11 uses Systemd, not SysV, that's why your commands in `/etc/rc.local` file would not run at system boot time. This guide explains how to enable `/etc/rc.local` script to run on system startup.

1. Create a `rc.local` unit file, follow [Apache Server through Proxy](#)
2. Create file `rc.local` in `/etc` with the following content:

```
vim /etc/rc.local
#!/bin/sh -e
#
# rc.local
#
# This script is executed at the end of each multiuser runlevel.
# Make sure that the script will "exit 0" on success or any other
# value on error.
#
# In order to enable or disable this script just change the execution
# bits.
#
# By default this script does nothing.
exit 0
```

3. Add execute permissions and start daemon:

```
chmod +x /etc/rc.local
systemctl daemon-reload
systemctl start rc-local
systemctl status rc-local
```

- `rc-local.service` - `/etc/rc.local` Compatibility
Loaded: loaded (`/lib/systemd/system/rc-local.service`; static; vendor preset:
Drop-In: `/lib/systemd/system/rc-local.service.d`
└─`debian.conf`
Active: active (exited) since Sun 2019-05-05 10:55:29 +07; 11min ago
Process: 1443 ExecStart=`/etc/rc.local start` (code=exited, status=0/SUCCESS)
Tasks: 0 (limit: 4915)
CGroup: `/system.slice/rc-local.service`

- [How to Enable /etc/rc.local with Systemd](#)
- [Where is rc.local in Debian 9 \(Debian Stretch\)](#)

System Shutdown

1. Put a symbolic link to the script to be run at shutdown into `/lib/systemd/system-shutdown`

- [How to execute scripts in /usr/lib/systemd/system-shutdown/ at reboot or shutdown?](#)
- [How to run commands at shutdown on Linux](#)

From:

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Permanent link:

<https://wiki.condrau.com/deb11:setup?rev=1682002931>

Last update: **2023/04/20 22:02**

