

Linux daemon configuration

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Task 1: Theory

1. What is `systemctl` and `init` and `systemd` ?
2. what are the available `Runlevel` on linux?
3. what does the `systemctl list-unit-files` command does?

Task 2: Creating Systemd service

Create a shell script that would write a text to a file `echo "bla bla" > /tmp/test.txt` and then create a Systemd service that would this script. Here are the requirements:

1. It should run as your current user
2. the working directory should be set to the current user home directory
3. this service will only run after the `network.target` service

Task 3: Install a web-server service

install a web-server (apache, nginx, httpd) on a virtual machine and create a Systemd service for that web-server. Please make sure to write a secure service.

Task 4: Crontab

Set the shell script that you have written in Task 2 to run in a crontab, configure the crontab to run every 30 minute on Wednesday