Linux Admin 2 - Lab 2

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1-

journald	rsyslog
Binary format logs	Plain text logs (Human Readable)
Stored in RAM (/run/logs/journald)	Stored in FileSystem (/var/logs/)
Limited configurations	Highly configurable than journald and allows you to access remote machines

2-

```
mamoun@mamoun-laptop:~ Q = - □ ×

(mamoun@mamoun-laptop)-[~]
$ ls /etc/rsyslog.conf
/etc/rsyslog.conf

(mamoun@mamoun-laptop)-[~]

$ _
```

```
mamoun@mamoun-laptop:~ Q = - □ x

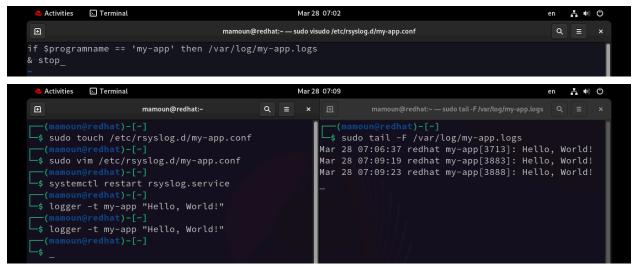
(mamoun@mamoun-laptop)-[~]
$ tail -f /var/log/syslog
2025-03-28T06:31:24.792729+02:00 mamoun-laptop gnome-shell[34947]:
Can't update stage views actor bms-dash-blurred-widget [StWidget]
is on because it needs an allocation.
2025-03-28T06:31:24.808504+02:00 mamoun-laptop gnome-shell[34947]:
Can't update stage views actor unnamed [Gjs_dash-to-dock_micxgx_g
mail_com_docking_DashSlideContainer] is on because it needs an all
```

```
ſŦΙ
                        mamoun@mamoun-laptop: ~
                                                Q
                                                    ≡
                                                              -$ systemctl status rsyslog.service
rsyslog.service - System Logging Service
     Loaded: loaded (/usr/lib/systemd/system/rsyslog.service; ena>
    Active: active (running) since Wed 2025-03-26 17:10:07 EET; >
TriggeredBy: • syslog.socket
       Docs: man:rsyslogd(8)
             man:rsyslog.conf(5)
             https://www.rsyslog.com/doc/
   Main PID: 1164 (rsyslogd)
      Tasks: 4 (limit: 13951)
     Memory: 5.9M (peak: 6.5M)
        CPU: 1.429s
     CGroup: /system.slice/rsyslog.service
             └─1164 /usr/sbin/rsyslogd -n -iNONE
```

5-

```
/var/log/warnings.log_
*.warn
 Activities   Terminal
                                                     Mar 28 06:49
                                                                                                       en 🛔 🕪 🖰
                                                                                                        Q ≡
                                         mamoun@redhat:~ — systemctl status rsyslog.service
$ systemctl status rsyslog.service
 rsyslog.service - System Logging Service
     Loaded: loaded (/usr/lib/systemd/system/rsyslog.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-03-28 06:49:22 EET; 8s ago
       Docs: man:rsyslogd(8)
              https://www.rsyslog.com/doc/
  Mar 28 06:50
                                                                                                       en 🙏 🕪 🖰
                                                                                                        Q <u>≡</u>
                                        mamoun@redhat:~ — sudo tail -f /var/log/warnings.log
[sudo] password for mamoun:
Mar 28 06:49:37 redhat gnome-shell[1937]: Timelines with detached actors are not supported
Mar 28 06:49:37 redhat gnome-shell[1937]: Timelines with detached actors are not supported
Mar 28 06:49:37 redhat gnome-shell[1937]: Timelines with detached actors are not supported
Mar 28 06:49:37 redhat gnome-shell[1937]: Timelines with detached actors are not supported
Mar 28 06:50:25 redhat sudo[3185]: pam_unix(sudo:auth): conversation failed
Mar 28 06:50:25 redhat sudo[3185]: pam_unix(sudo:auth): auth could not identify password for [mamoun]
Mar 28 06:50:27 redhat sudo[3185]: mamoun : 1 incorrect password attempt ; TTY=pts/0 ; PWD=/home/mamoun ; USER=root ; COMMAND=/bin/tail -f /var/log/warnings.log
```

7-



8-

```
Activities ☐ Terminal

Mar 28 07:19

en ♣ ● ♥

mamoun@redhat:~

(mamoun@redhat)-[~]

$ echo "touch ~/text.at" | at 5:30 PM tomorrow
warning: commands will be executed using /bin/sh
job 2 at Sat Mar 29 17:30:00 2025

(mamoun@redhat)-[~]

$ at -l

2 Sat Mar 29 17:30:00 2025 a mamoun

(mamoun@redhat)-[~]
```

9-

```
Mar 28 07:22

en ♣ ● ♥

mamoun@redhat:~

(mamoun@redhat)-[~]
$ echo "touch ~/text.at" | at now+10min
warning: commands will be executed using /bin/sh
job 4 at Fri Mar 28 07:32:00 2025

(mamoun@redhat)-[~]
$ _
```

11-

12-

```
Mar 28 07:26

en ♣ ♠ ₺

mamoun@redhat:-

(mamoun@redhat)-[~]

$ at -c 4

#!/bin/sh

# atrun uid=1000 gid=1000

# mail mamoun 0

umask 22

SHELL=/bin/bash; export SHELL

SESSION_MANAGER=local/unix:@/tmp/.ICE-unix/1918,unix/unix:/tmp/.ICE-unix/1918; export SESSION_MANAGER
```