



Data hash table of /run/log/journal/...



image.png

perplexity 100% AI 100%



```
$> dmesg -T
[  12 10 18:20:06 2024] systemd-journald[655]: Data hash table of
/run/log/journal/8d8bce04dde6433198c5ff39a2265dd4/system.journal has a fill level at 75.0
(19207 of 25607 items, 8388608 file size, 436 bytes per hash table item), suggesting rotation.
[  12 10 18:20:06 2024] systemd-journald[655]:
/run/log/journal/8d8bce04dde6433198c5ff39a2265dd4/system.journal: Journal header limits
reached or header out-of-date, rotating.
[  12 10 19:30:37 2024] systemd-journald[655]: Data hash table of
/run/log/journal/8d8bce04dde6433198c5ff39a2265dd4/system.journal has a fill level at 75.0
(19206 of 25607 items, 14749696 file size, 767 bytes per hash table item), suggesting
rotation.
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/run/log/journal/8d8bce04dde6433198c5ff39a2265dd4/system.journal: Journal header limits
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[  12 11 19:40:48 2024] systemd-journald[655]: Data hash table of
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```

이제 info를 보려면 (journald)를 켜고 info를 보자.

info를 보려면 info를 보자

Journald?

1. systemd가 켜지면 (Journal)을 켜고, OS가 켜지면 OS가 켜진다. (즉 ... rsyslog가 켜지면 ...)
2. vi를 켜고 journalctl을 켜고
3. dmesg을 켜고 journald.conf에서 ForwardToWall을 yes(즉)으로 켜고

Journald

1. journald.conf에서 ForwardToWall을 no로 켜고

```
$>vi /etc/systemd/journald.conf
...
ForwardToWall=no
...
```

2. vi를 켜고 journald.conf를 켜고, journald.conf에서 ForwardToWall을 no로 켜고, OK, vi를 켜고

1. vi를 켜고 :vi

2. vi를 켜고 :vi

3. vi를 켜고 (+inode를 켜고) : ?를 켜고

```
$> du -hs /run/log/journal/8d8bce04dde6433198c5ff39a2265dd4
50G
```

vi를 켜고 50G를 켜고 .. (vi를 ?!)

4. uptime을 켜고 40을 켜고 ...

5. journald는 로그를 기록하는 데 사용됩니다. 로그를 기록하는 데 사용되는 로그 파일은 어디에 있는 것일까요?
 journald는 /var/log/journal/ 디렉토리에 로그 파일을 기록합니다.
6. cron은 정기적으로 실행되는 작업을 예약하는 데 사용됩니다. cron은 어떤 파일에서 작업을 예약하는 것일까요?
 cron은 /etc/crontab 파일에서 작업을 예약합니다.

```
$>journalctl --file=xxxxxx
...
crond
crond
crond
crond
crond
...
```

7. cron은 정기적으로 실행되는 작업을 예약하는 데 사용됩니다. cron은 어떤 파일에서 작업을 예약하는 것일까요?
 cron은 /etc/crontab 파일에서 작업을 예약합니다.

systemd-journald

1. systemd-journald는 로그를 기록하는 데 사용됩니다. 로그를 기록하는 데 사용되는 로그 파일은 어디에 있는 것일까요?

1. systemd-journald는 로그를 기록하는 데 사용됩니다. 로그를 기록하는 데 사용되는 로그 파일은 어디에 있는 것일까요?

```
$> systemctl status systemd-journald
● systemd-journald.service - Journal Service
   Loaded: loaded (/usr/lib/systemd/system/systemd-journald.service; static)
   Active: active (running) since Sat 2023-01-09 22:54:40 KST; 6 days ago
 TriggeredBy: ● systemd-journald.socket
               ● systemd-journald-dev-log.socket
   Docs: man:systemd-journald.service(8)
         man:journal.conf(5)
 Main PID: 655 (systemd-journal)
   Status: "Processing requests..."
   Tasks: 1 (limit: 35765)
  Memory: 91.2M
     CPU: 36.469s
   CGroup: /system.slice/systemd-journald.service
```

```
└─655 /usr/lib/systemd/systemd-journald
```

```
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item), suggesting rotation.
```

```
* [*] dmesg[*] [*] [*] [*] [*] [*] [*] .
```

2. [*] [*] [*] !

```
$> systemctl restart systemd-journald
```

3. [*] [*] [*] [*] [*]

```
$> systemctl status systemd-journald
● systemd-journald.service - Journal Service
   Loaded: loaded (/usr/lib/systemd/system/systemd-journald.service; static)
   Active: active (running) since Mon 2024-01-15 23:07:33 KST; 1s ago
 TriggeredBy: ● systemd-journald.socket
               ● systemd-journald-dev-log.socket
   Docs: man:systemd-journald.service(8)
          man:journald.conf(5)
 Main PID: 127119 (systemd-journal)
   Status: "Processing requests..."
    Tasks: 1 (limit: 35765)
   Memory: 1.4M
```

```
10 15 23:07:33 systemd-journald[127119]: Journal started
10 15 23:07:33 systemd-journald[127119]: Runtime Journal
(/run/log/journal/8d8bce04dde6433198c5ff39a2265dd4) is 108.9M, max 112.5M, 3.5M
free.
```



```

[ ] [ ] [ ] . [ ] [ ] [ ] [ ] [ ] [ ] cron [ ] [ ] [ ] [ ] ->
[ ] [ ] journald [ ] [ ] [ ] [ ] ([ info [ ] [ ] ?? )
```

Reference

- <https://sysops.tistory.com/115>
- https://access.redhat.com/documentation/ko-kr/red_hat_enterprise_linux/8/html/automating_system_administration_by_using_rhel_system_roles/configuring-persistent-logging-by-using-the-journald-system-role_configuring-the-systemd-journal-by-using-the-journald-rhel-system-role
- https://access.redhat.com/documentation/ko-kr/openshift_container_platform/4.6/html/logging/cluster-logging-systemd
- <https://m.blog.naver.com/PostView.naver?isHttpsRedirect=true&blogId=nahejae533&logNo=221270596126>

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