

# System Log

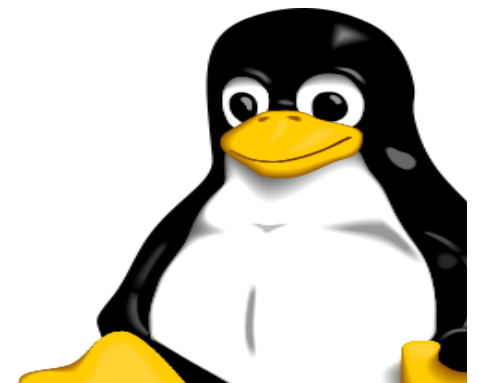


# System Log

The system log (syslog) contains a record of the operating system (OS) events that indicates how the system processes and drivers were loaded.

The syslog shows informational, error and warning events related to the computer OS.

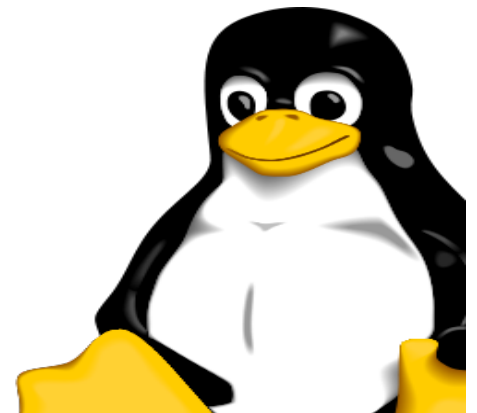
By reviewing the data contained in the log, an administrator or user troubleshooting the system can identify the cause of a problem or whether the system processes are loading successfully.



# System log in RHEL8

The following log files are located in the `/var/log/` directory and while this list is comprehensive, it is by no means every possible log file that can exist in this location.

The logs are managed by the syslog facility and the various facilities can log to one or more of the log files listed.

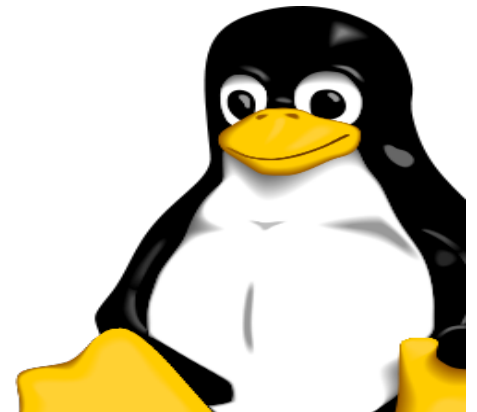


# Important log files

`/var/log/messages`

It store general message and system related log

Eg. daemon, kern, auth etc.



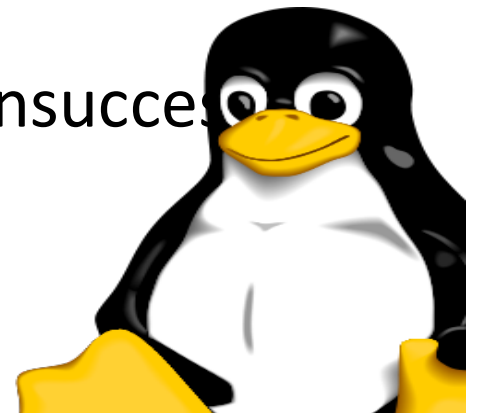
# Important log files

`/var/log/secure`

It store security and authentication related logs.

For example,

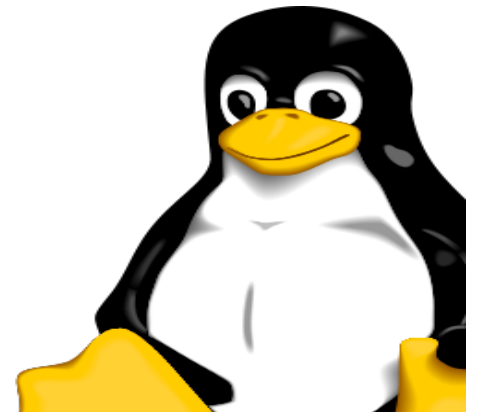
sshd logs all the messages here, including unsuccessful login.



# Important log files

`/var/log/boot.log`

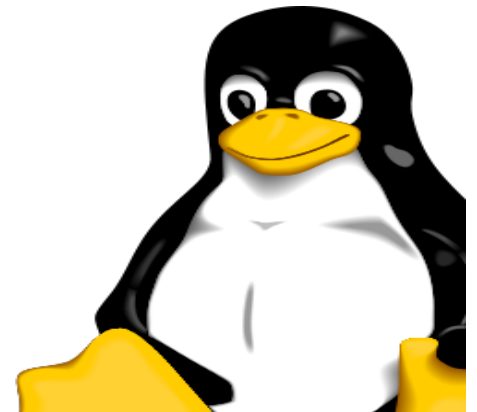
Contains information that are logged when the system boots



## Important log files

/var/log/dnf* (Dandified)	- RHEL8
/var/log/yum.log	- RHEL7

Contains information about install, update, remove packages using yum or dnf.

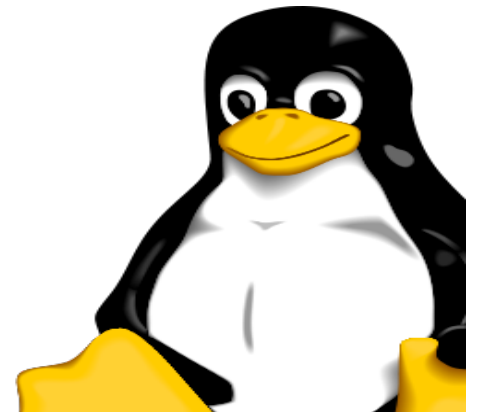


# Important log files

`/var/log/maillog`

Mail server related log

This subdirectory contains additional logs from the mail server.



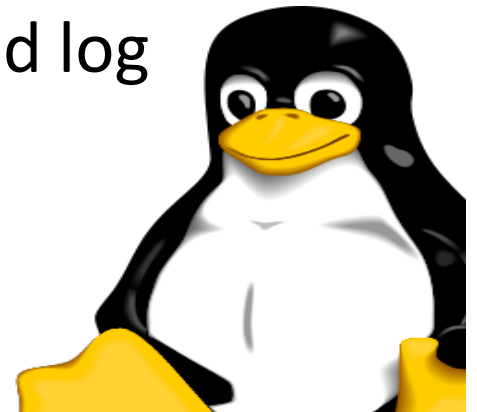


# Important log files

`/var/log/httpd`

`/var/log/mysql.log`

It store webserver or database server related log

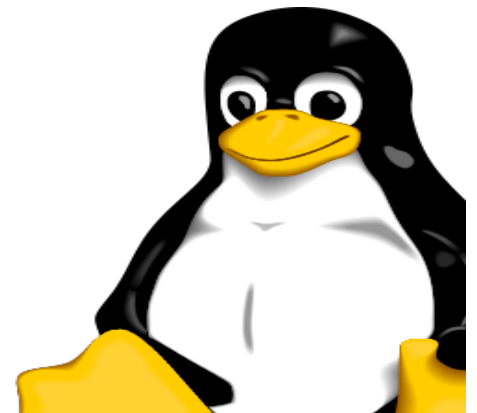


# Important log files

`/var/log/btmp` (badattempt)

It store failed login attempt

```
#last -f /var/log/btmp
```

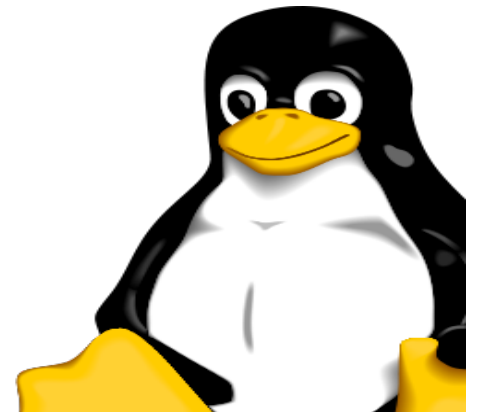


# Important log files

`/var/log/lastlog`

Displays the recent login information for all the users.

`#lastlog`

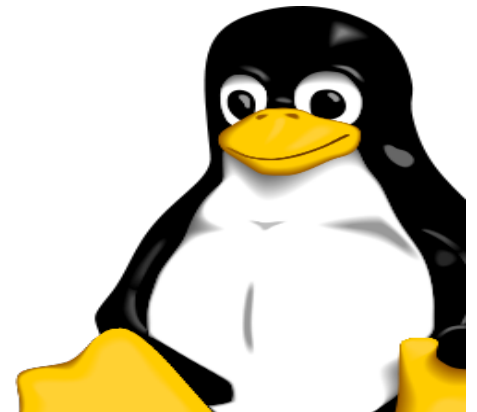


# Important log files

`/var/log/audit/audit.log`

-Contains logs information stored by the Linux audit daemon (auditd).

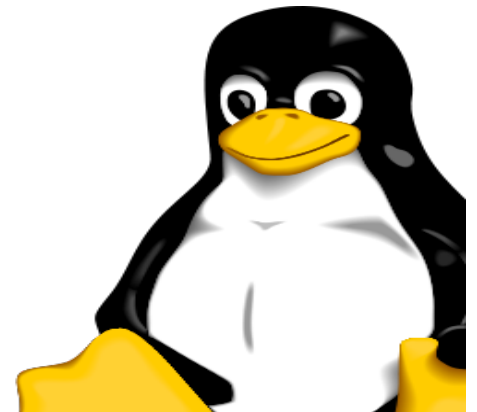
```
#tail -f /var/log/audit/audit.log
```



# Important log files

`/var/log/anaconda/anaconda.log`

It store all installation log, all installation related messages are stored in this log file

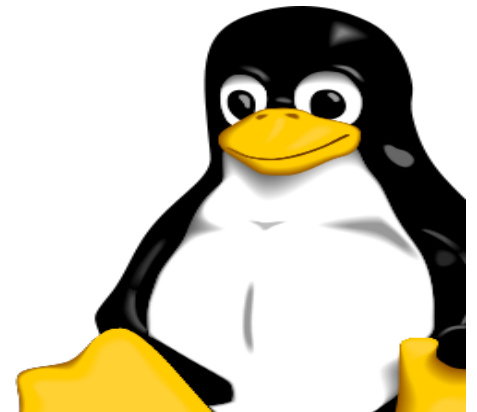


# Important log files

`/var/log/tuned/tuned.log`

Tuned is a service that monitor system and optimize the performance under certain workloads.

```
#tail -f /var/log/tuned/tuned.log
```



# Important log files

`/var/log/firewalld`

It stored firewall related log

