

Advantech AE Technical Share Document

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Category	■FAQ □SOP	Related OS	N/A
Abstract	How to change location of iRTU system error log for debugging		
Keyword	System, Error Log, location, debug		
Related Product	ADAM-3600, ECU-1152, ECU-1251		

■ Problem Description:

This document explains how to change location of iRTU system error log for debugging.

■ Answer:

The system log may be cleared whenever system reboots, so we may not check the logs after system reboot.

The system log behavior is defined in `/etc/syslog-startup.conf`, user may edit by using the command “`vi /etc/syslog-startup.conf`”.

```
root@adam3600:~# vi /etc/syslog-startup.conf
```

To prevent the messages be cleared whenever system reboot in location **/var**, user may change the location by modifying LOGFILE from `/var/log/messages` to `/home/sysuser/messages`.

Unmark the ROTATESIZE and ROTATEGENS to avoid messages be over-written in rotate.

```
172.16.12.35 - PuTTY
# This configuration file is used by the busybox syslog init script,
# /etc/init.d/syslog[.busybox] to set syslog configuration at start time.

DESTINATION=file                # log destinations (buffer file remote)
LOGFILE=/home/sysuser/messages  # where to log (file)
REMOTE=loghost:514             # where to log (syslog remote)
REDUCE=no                      # reduce-size logging
DROPDUPLICATES=no             # whether to drop duplicate log entries
ROTATESIZE=0                   # rotate log if grown beyond X [kByte]
ROTATEGENS=3                   # keep X generations of rotated logs
BUFFERSIZE=64                  # size of circular buffer [kByte]
FOREGROUND=no                  # run in foreground (don't use!)
#LOGLEVEL=5                    # local log level (between 1 and 8)
~
~
- /etc/syslog-startup.conf 10/13 76%
```

Press “i” to begin to edit the file. After editing, press “Esc” “:wq” to leave editing the file.

Note: The default storage size of ADAM-3600 microSD card is 1GB only. If there is no auto-cleaning the system logs, the system storage will be occupied by system logs and cause issues.