
Subject: RLOG in Linux

Posted by [Giorgio](#) on Wed, 12 Sep 2018 10:56:12 GMT

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Hi there,

I added a RLOG line to an application. In Windows I find the logs in a .log file inside the directory of the application. In Linux there is no such .log file and I expected to find the log in /var/log/messages or in /var/log/syslog, but I do not find anything there. The Linux box is a Debian Stretch, if this is relevant.

Ciao,
gio

Subject: Re: RLOG in Linux

Posted by [Zbych](#) on Wed, 12 Sep 2018 17:16:56 GMT

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Log file is created by default in \$HOME/.upp/APP_NAME/APP_NAME.log

Subject: Re: RLOG in Linux

Posted by [Giorgio](#) on Fri, 14 Sep 2018 08:45:11 GMT

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Hi Zbych,

I do not find .upp in \$HOME, it should be created manually before launching the application?

Subject: Re: RLOG in Linux

Posted by [Zbych](#) on Fri, 14 Sep 2018 11:54:42 GMT

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.upp is created automatically AFAIK. Make sure that you display hidden directories (Ctrl-h in nautilus or ls -la \$HOME in terminal)

Subject: Re: RLOG in Linux

Posted by [Giorgio](#) on Fri, 14 Sep 2018 14:11:26 GMT

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I just checked and did not find any .upp directory. I have noticed instead that in /var/log/messages there is a bunch of those logging entries. Strange thing, the system logged them all at the same moment (09:29:29 AM) even if they have been generated in different moments (I know when they have been generated because I log also the date and time). It seems like they have been in some

sort of cache since some event made the application to log them all together. Maybe after ROLOG() I have to put DUMP() or something else?

Subject: Re: RLOG in Linux
Posted by [Klugier](#) on Fri, 14 Sep 2018 20:23:08 GMT
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Hello,

In your home directory there should be .upp directory (this is also the place when TheIDE configuration is stored). You can look at my home directory listing:

```
[klugier@klugier-X470-Pro ~]$ ls -la | grep .upp
drwxr-xr-x 21 klugier klugier 4096 08-19 00:46 .upp
drwxr-xr-x 7 klugier klugier 4096 09-08 14:52 upp
drwxr-xr-x 27 klugier klugier 4096 08-19 00:45 upp.out
```

Can you execute the same command in your home (~) directory? Alternatively, you could mess with the users and the directory is created somewhere else in the system for example roots home directory. Please check and let me know everything works as expected.

Sincerely,
Klugier

Subject: Re: RLOG in Linux
Posted by [Giorgio](#) on Mon, 17 Sep 2018 09:10:23 GMT
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Hi Klugier,

I have no .upp directory in user's home directory, in /root or in /usr/bin (where the program is installed). I have issued a find command in the whole file system with no results. Instead, I have the log messages in /var/log/messages and in /var/log/syslog, but they are logged not immediately, but in bulk after some time: e.g. I have in the /var/log/messages a bunch of logs with the same timestamp, but the log messages have been issued on different moments.

This is my code:

```
Value time = GetSysTime();
String timestamp = time.ToString();
RLOG("LineDashboard " + timestamp + " label selected");
```

And this is what I have in /var/log/messages:

```
Sep 14 09:29:53 myhost LineDashboard.desktop[820]: LineDashboard 14/09/2018 08:29:53 label selected
Sep 14 09:29:53 myhost LineDashboard.desktop[820]: LineDashboard 14/09/2018 08:39:53 label selected
Sep 14 09:29:53 myhost LineDashboard.desktop[820]: LineDashboard 14/09/2018 08:49:53 label selected
Sep 14 09:29:53 myhost LineDashboard.desktop[820]: LineDashboard 14/09/2018 08:59:53 label selected
Sep 14 09:29:53 myhost LineDashboard.desktop[820]: LineDashboard 14/09/2018 09:09:53 label selected
Sep 14 09:29:53 myhost LineDashboard.desktop[820]: LineDashboard 14/09/2018 09:19:53 label selected
```

The application has been compiled with upp-2018.1 on a Debian Stretch with a recent version of gcc (I do not remember the specific version, but is the one in the debian repository, so it should be recent) and it runs on a Debian Stretch (a different box with no toolchains).

Regards,
gio

Subject: Re: RLOG in Linux
Posted by [Oblivion](#) on Mon, 17 Sep 2018 09:28:20 GMT
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Hello Giorgio,

I have no .upp directory in user's home directory,

AFAIK, this directory is available (and may (?) have another name) if you have U++/Theide deployed on your machine.

A simple way to find that directory:

Open Theide, run your application (or any example code) once, via Theide, and then select Theide->Build (menu) -> Open output directory from the menu.

By default, that directory should be under the .upp (or whatever its name is)

Best regards,
Oblivion

Subject: Re: RLOG in Linux
Posted by [Giorgio](#) on Wed, 26 Sep 2018 10:37:57 GMT
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Hi Oblivion,
you are right: on the development I have the .upp directory with the log, but on the client machine there is no .upp directory.
Reagards,
gio

Subject: Re: RLOG in Linux
Posted by [mirek](#) on Wed, 03 Oct 2018 08:05:05 GMT
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Giorgio wrote on Wed, 26 September 2018 12:37Hi Oblivion,
you are right: on the development I have the .upp directory with the log, but on the client machine there is no .upp directory.
Reagards,
gio

How do you check?

Now please forgive stupid question, but are you aware that filenames starting with '.' are hidden and normally shown e.g. with GUI shells?

Subject: Re: RLOG in Linux
Posted by [Giorgio](#) on Wed, 03 Oct 2018 08:18:03 GMT
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Hi Mirek,
I am aware of the '.' thing. Actually, I did not even use a graphical interface: I use ssh from my pc, so users can continue work on the client. So I used ls -a to check. I even issued the command find / -iname "*.upp*" to check in the whole filesystem for an .upp directory but found nothing.

Subject: Re: RLOG in Linux
Posted by [omari](#) on Wed, 03 Oct 2018 11:55:40 GMT
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Hi Giorgio,

you can use StdLogSetup() to control logging.

for example StdLogSetup(LOG_FILE | LOG_SYS); in order to send logging to the
~/.upp/appname/appnam.log file, and to /var/log/appname.log

you can set the logfilepath as second param of StdLogSetup : StdLogSetup(LOG_FILE ,
"/home/user/appname.log");
