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RLM Server Issue on MacOS

2025-10-09 - Comments (0) - Setup / update

Running an rlm server on MacOS can have some unexpected side effects. This article shows how to spot them, what the cause is and how to fix them. This current affects rlm server versions 14.1 and 15.0.

Symptoms

TRACE32 is unable to check out a license. The AREA window shows:

Warning: No license available [0x0011]

When launching the rlm server, the terminal window shows the message (No ISV servers to start), highlighted in the screenshot below.

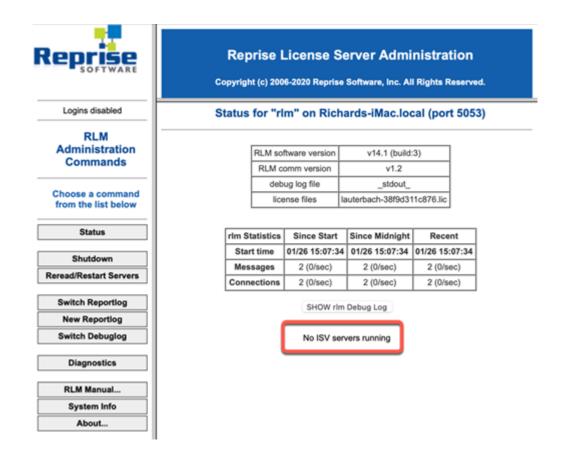
```
x64_m1.admin — rlm — 80×24
[richard@Richards-iMac x64_m1.admin %
[richard@Richards-iMac x64_m1.admin % ./rlm
01/26 15:07 (rlm)
01/26 15:07 (rlm) WARNING: No license file for this host (Richards-iMac.local)
01/26 15:07 (rlm)
                           The hostname in the license file(s)
01/26 15:07 (rlm)
                           may be incorrect
01/26 15:07 (rlm)
01/26 15:07 (rlm) License files:
01/26 15:07 (rlm)
                      lauterbach-38f9d311c876.lic
01/26 15:07 (rlm)
01/26 15:07 (rlm) RLM License Server Version 14.1BL3
        Copyright (C) 2006-2020, Reprise Software, Inc. All rights reserved.
01/26 15:07 (rlm) License server started on Richards-iMac.local
01/26 15:07 (rlm) Server architecture: x64_m1
01/26 15:07 (rlm) License files:
                      lauterbach-38f9d311c876.lic
01/26 15:07 (rlm)
01/26 15:07 (rlm)
01/26 15:07 (rlm) Web server starting on port 5054
01/26 15:07 (rlm) Using TCP/IP port 5053
01/26 15:07 (rlm) ... adding UDP/IP port 5053
01/26 15:07 (rlm) (No ISV servers to start)
```

Opening a **LICENSE.List** window will show the error that TRACE32 is unable to communicate with the server, however, the server is running, and the user can access the web page by browsing to http://localhost:5054

```
Serial:
none
Software Version:
TRACE32 PowerView for ARM, R.2021.02.000134592
Release 02/2021, Build 130858--134592.
Floating License Status:
1. SIMULATOR 't32.simulator.arm' (2021.02)
Error[-17]: Error communicating with server.
source: RLM (FAILED - try again) 5055@richards-imac.local
Info:
Floating license gets checked on first Go or Step
```

Any instance of TRACE32 launched on another machine on the network will show the same errors and symptoms.

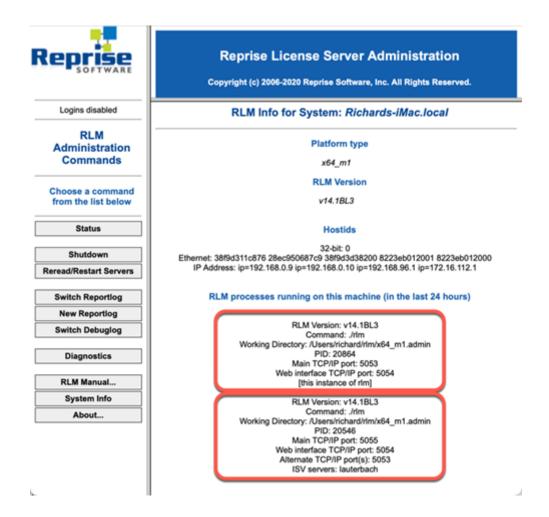
The rlm web server **status** page will show that no ISV servers are running.



Looking at the rlm web server System Info page may show what appears to be two instances of rlm running. Yet examining the task manager or running

ps -eaf | grep rlm

in another terminal will show only one instance is active.



Likely Cause

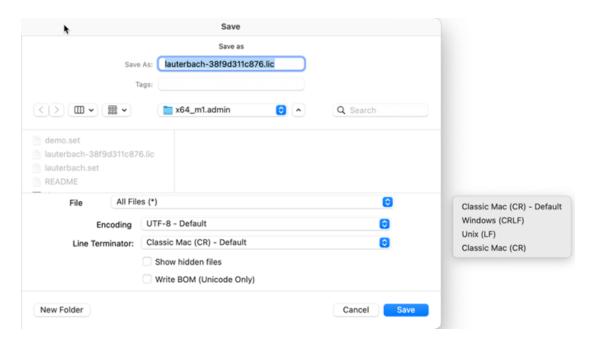
The rlm server does not recognize the default MacOS line termination character (CR, ASCII 0x13 or <CRTL>+M). Since the user must edit their license file to insert their host name and IP ports, it is likely they will have used a text editor which will have saved the file using this default format. This can be verified by opening the license file with vi.

📵 🛑 🔵 🛅 richard — vi rlm/x64_m1.admin/lauterbach-38f9d311c876.lic — 80×24 # HOST [rlmserver] 38f9d311c876 [port]^MHOST Richards-iMac.local 38f9d311c876 50 55^MISV lauterbach binary=lauterbach port=5056^MLICENSE lauterbach t32.integrati on.pil 2021.10 31-oct-2021 token_locked ^M token="<t32.120100006123.maint 202 1.10 1>" sig="60Q04580KW7A7QJXSG^M HEQE8EEAG94DKE5BESASRE08AG15Y0PHTW3XKDDCYP PJ1GETPYWJE70XJ4T"^MLICENSE lauterbach t32.120100006123.maint 2021.10 31-oct-202 issued=29-oct-2020 replace sig="60P0453H3WEYS6QB6T^M C4XNSQCUMM4NX9S 1 1 M 0XJ3YR22GGR43D5R2V0B2C3F1QKDBUXXM9P867MGG"^MLICENSE lauterbach t32.simulator.arm 2022.06 permanent token_locked ^M token="<t32.121060006715.maint 2022.06 1>" sig="60P045062C2QM4CARK^M W954PJBY6X88BSJKTAPRG22HEYEPSY1Q914FEE1F6C87AC6RCR P1VF28"^MLICENSE lauterbach t32.121060006715.maint 2022.06 permanent 1^M issu ed=08-jun-2021 replace sig="60P045188F0K0D7VGV^M FK9X521BTF2T8FKP9MTRR22HEPER 6X0600CCU6S4SRUJ9HGC8B1PTM48"^MLICENSE lauterbach t32.simulator.tricore 2022.06 permanent token_locked ^M token="<t32.121060006716.maint 2022.06 1>" sig="60P U3DQCB4GF50PJ98QJ5ND5X08A1PBXN9UH0FVUF8QT58BE8706UGRS2E7NG" G4580JE10H1572D^M ^MLICENSE lauterbach t32.121060006716.maint 2022.06 permanent 1^M issued=08-i un-2021 replace sig="60Q04580M4XYMWSWJA^M YS9VHSS1306MNVP6W9R3Y508AG11CVFV7FF M6W3JPSQ3QW73R817XX752EV"^MLICENSE lauterbach t32.simulator.powerpc 2022.06 perm anent token_locked ^M token="<t32.121060006717.maint 2022.06 1>" sig="60PG458 0HWJH1908BK^M BJBRSØR96U46Y0G31BTP3Q08A32BTQNBKFBNGNMGG1FGCAPQ8V2HCPRMB0"^MLI CENSE lauterbach t32.121060006717.maint 2022.06 permanent 1^M issued=08-iun-2 021 replace sig="60PG452EP0KCD42Y0K^M 7VX20E9PNYACTWPC3AAFR22M0ACGXAJWCY36M1F T8NCE43UTBQBFCHTY0G"^MLICENSE lauterbach t32.multicore.all 2022.06 permanent tok token="<t32.121060006718.maint 2022.06 1>" sig="60PG453NSUC46KB4 en_locked ^M "rlm/x64_m1.admin/lauterbach-38f9d311c876.lic" [noeol] 1L, 2444B

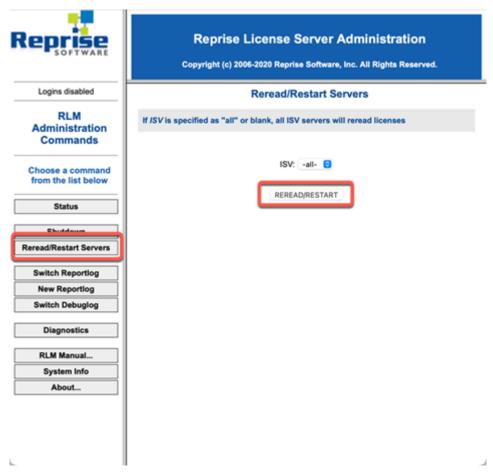
Note in the image that the ^M line termination characters can clearly be seen marked in blue.

How to Fix This

Open the license file in an editor which can change the line termination character and select either Windows (CRLF) or Unix/Linux (LF) and save the file, replacing the existing one.



Then either re-start the rlm server or in the rlm servers web management site, select **Reread/Restart** Servers and click the "REREAD/RESTART" button.



The status page will change to show the new ISV server and the statistics for it. TRACE32 will now be able to check out any valid licenses.

