

How to setup the RLM License Server

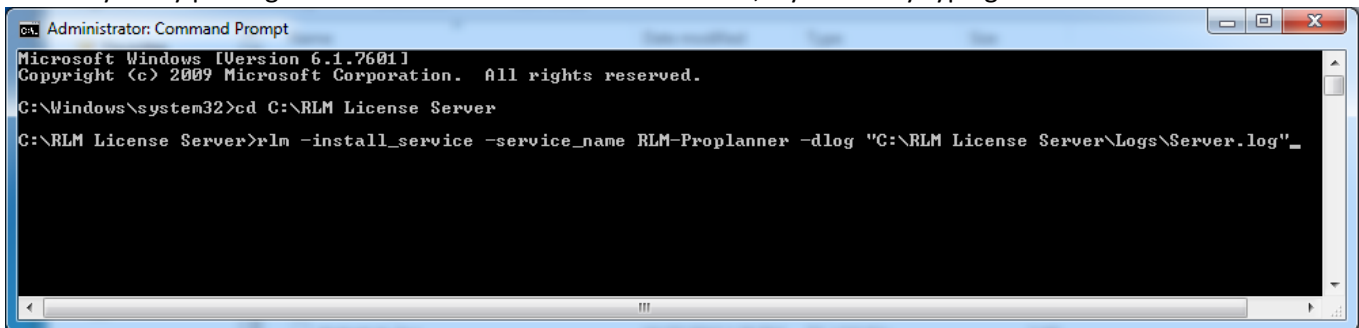
1. Determine if you need to setup an RLM license server. If you already have an RLM license server running on a supported Windows operating system, there is no requirement that you setup a separate one for the Proplanner products. If you choose to use an existing RLM license server you can skip to step 10.
2. Determine the computer that will be used as the RLM license server. Please note that Proplanner only supports the Windows XP, Vista, 7, 8, Server 2003, 2008 and 2012 operating systems for the license server.
3. Download the RLM License Administration Bundle from the following website:
<http://www.reprisesoftware.com/admin/software-licensing-download.php>. Choose the 32-bit or 64-bit Windows bundle, whichever one is correct for your license server hardware.
4. Create a new folder on the C drive called **RLM License Server**.
5. Install the RLM License Administration Bundle to the folder you just created: **C:\RLM License Server**.
6. Create a **Logs** folder inside the installed folder that will contain the licensing logs: **C:\RLM License Server\Logs**.
7. Install the RLM license server as a Windows service. To do this, start a command prompt with Administrator privileges. Change the directory to the folder that contains the RLM license server binaries:, for example C:\RLM License Manager.

Then run the following command.

```
rlm -install_service -service_name RLM-Proplanner -dlog "C:\RLM License Server\Logs\Server.log"
```

Note: If you have used any other folder besides what is listed in steps 4-6, change the page inside the quotations before running the command.

Note: If you try pasting the command above and receive errors, try manually typing the command to run it.

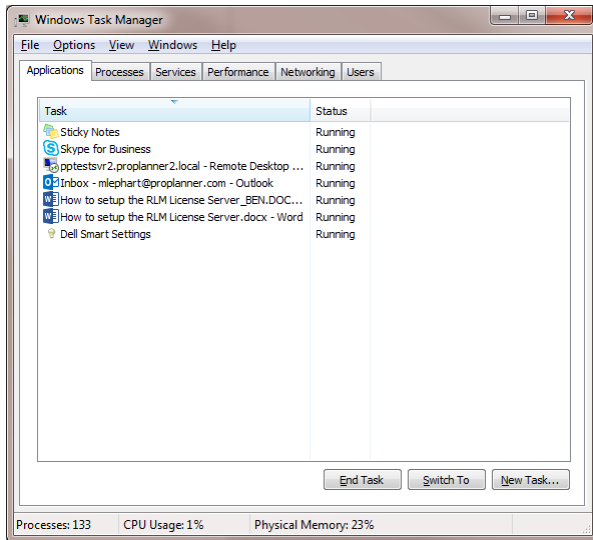


```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

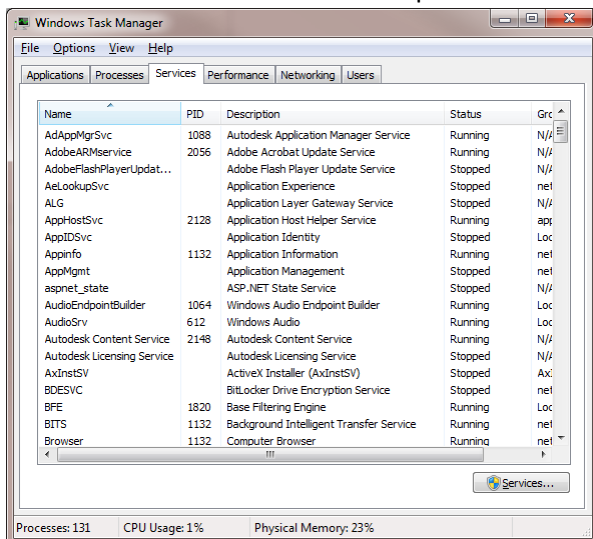
C:\Windows\system32>cd C:\RLM License Server
C:\RLM License Server>rlm -install_service -service_name RLM-Proplanner -dlog "C:\RLM License Server\Logs\Server.log"
```

Note that **RLM-Proplanner** is an example of a service name. In practice you can use any service name as long as it is unique. Note that **C:\RLM License Server\Logs\Server.log** is an example of a log file path. In practice you can name the file whatever you want, though the directory needs to match what was created in step 4.

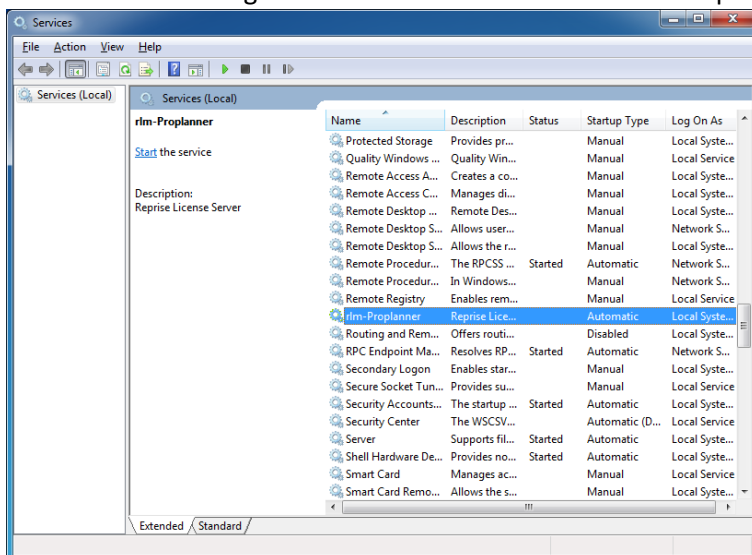
8. Open the Windows Services dialog and start the service that was just created. Right-click on the task bar and select Task Manager.



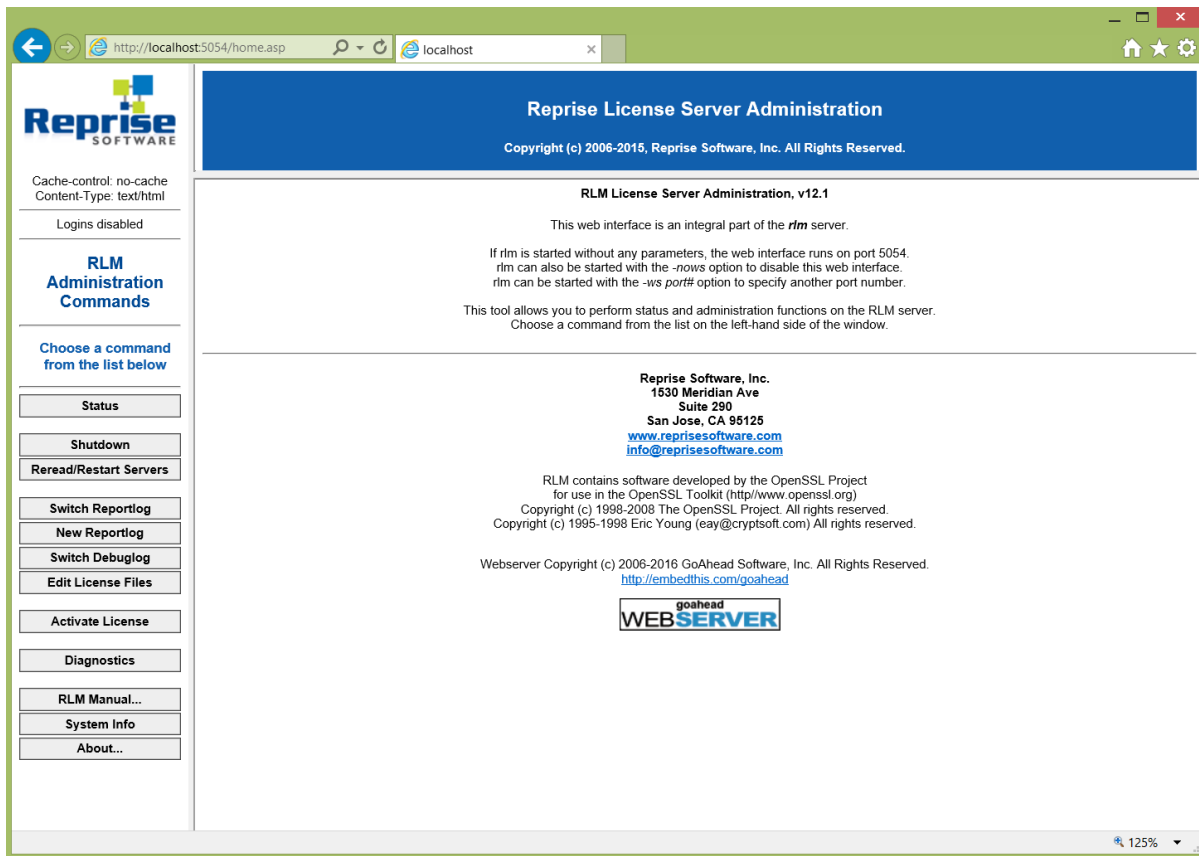
Then click on the Services tab and press the Services button.



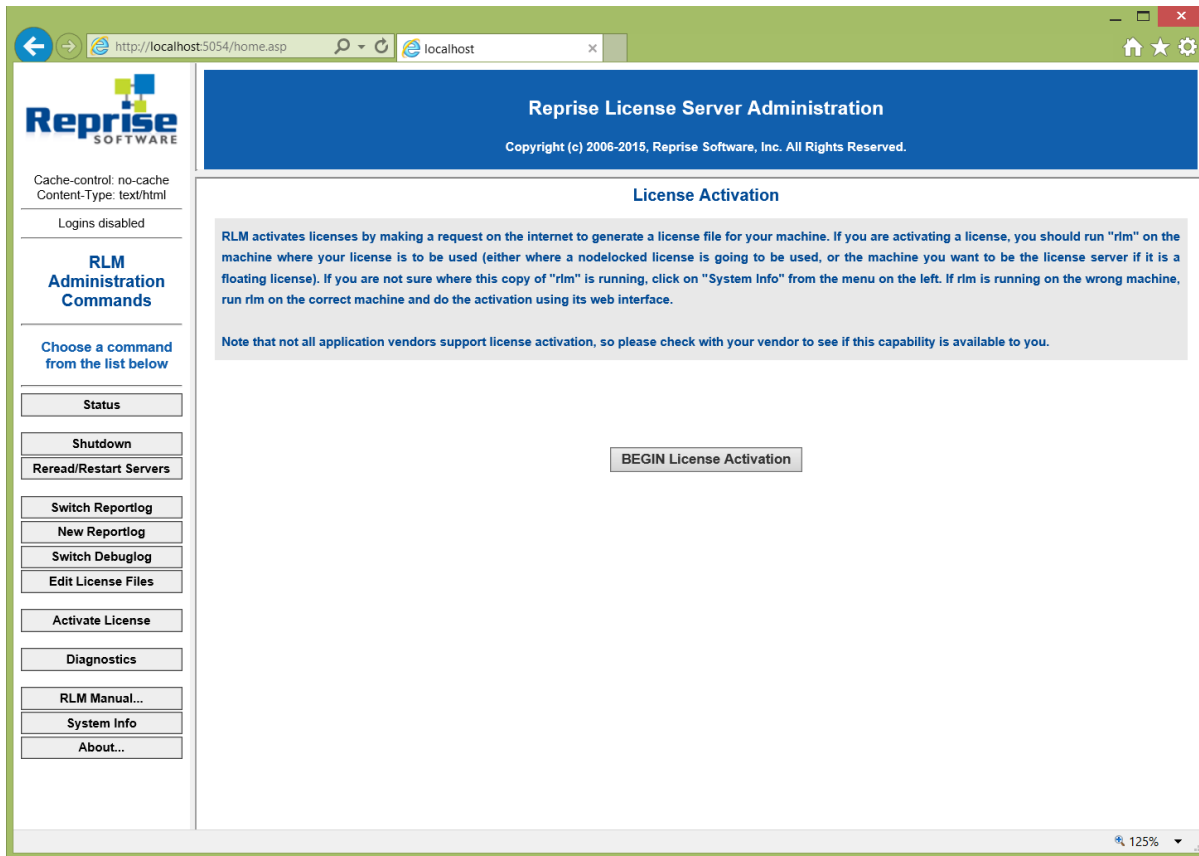
In the Services dialog scroll down to the RLM license server process then right-click it and select Start.



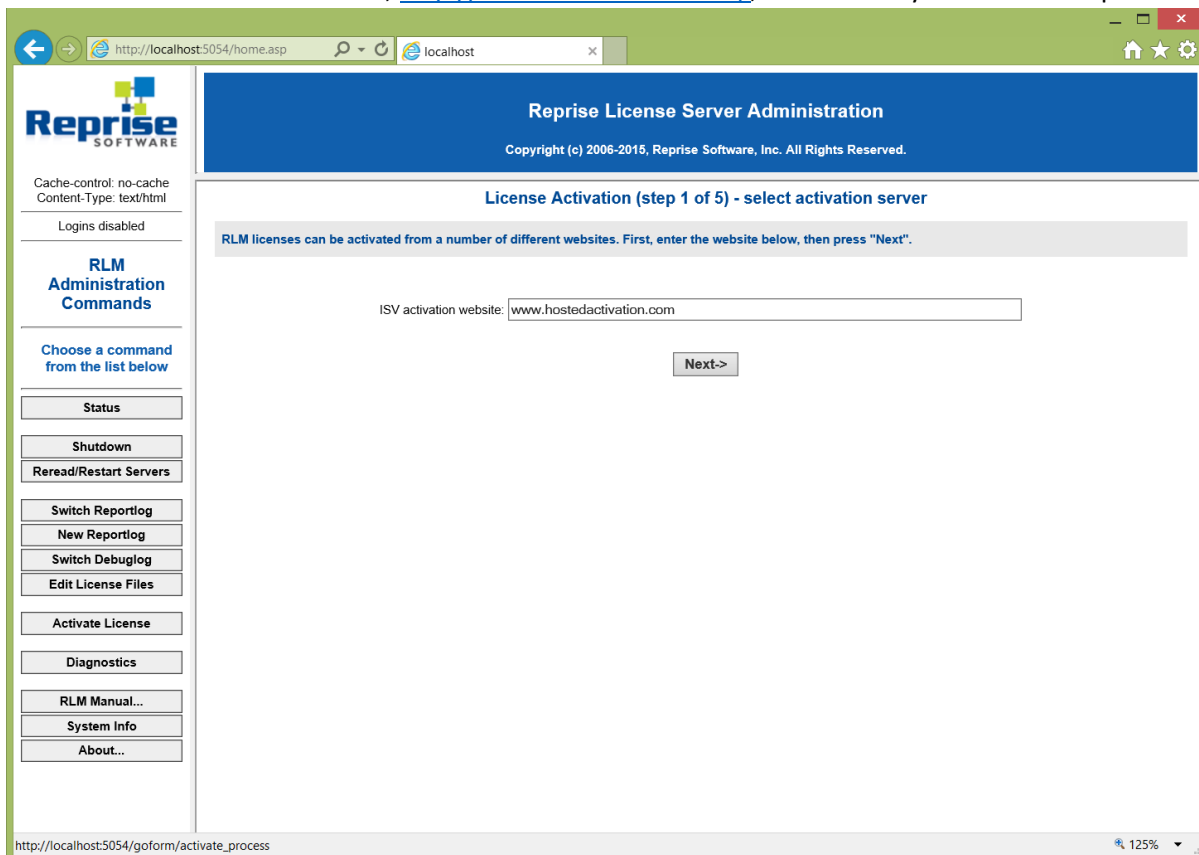
9. Create a firewall exception for **rlm.exe** and the port it is using, for example **5053**.
10. Create a firewall exception for **rlm.exe** and the port used by the Reprise License Server Administration website if you want to be able to access the website outside of the license server, for example **5054**.
11. If you have not received an activation key from your Proplanner representative, send an email to licensing@proplanner.com to request the license activation key. You will use this in step 17.
12. Go to <http://www.proplanner.com/rlmvendordaeon> and click on the link **Download Proplanner RLM Vendor Daemon (32 and 64 bit)**. Save the zip file and then extract the contents.
13. Save the appropriate vendor daemon **proplanner.exe** file (depending on the version of the operating system) into the folder that contains the RLM license server binaries.
14. Open the Reprise License Server Administration website. Open an internet browser (Internet Explorer is recommended) and enter the following address: <http://localhost:5054/home.asp>.
15. Press the Activate License button.



16. Press the BEGIN License Activation button.



17. Enter the ISV activation website, <http://hostedactivation.com/>, if not already defined. Then press the Next-> button.



18. Enter the ISV “**proplanner**” and your License activation key. Then press the Next-> button.

The screenshot shows the Reprise License Server Administration web interface. The browser address bar displays `http://localhost:5054/home.asp`. The page title is "Reprise License Server Administration" with a copyright notice for 2006-2015. The main heading is "License Activation (step 2 of 5) - specify license activation key". A text box explains that RLM licenses are activated based on an activation key received from the software vendor. Below this, there are two input fields: "ISV:" with the value "proplanner" and "License activation key:" with the value "0000-0000-0000-0000". To the right of these fields are two buttons: "Next->" and "<-Back". On the left side, there is a sidebar with the Reprise Software logo, cache control information, and a list of "RLM Administration Commands" including Status, Shutdown, Reread/Restart Servers, Switch Reportlog, New Reportlog, Switch Debuglog, Edit License Files, Activate License, Diagnostics, RLM Manual..., System Info, and About... The bottom right corner shows a zoom level of 125%.

19. Enter the number of floating licenses. Then press the Next-> button.

The screenshot shows the Reprise License Server Administration web interface at Step 3 of 5: "specify machine for nodelocked license or license server and license count". The browser address bar displays `http://localhost:5054/home.asp`. The page title is "Reprise License Server Administration" with a copyright notice for 2006-2015. The main heading is "License Activation (step 3 of 5) - specify machine for nodelocked license or license server and license count". A text box explains that RLM licenses are locked to a particular computer identified by a hostid. Below this, there are two input fields: "License Server or Node-lock hostid:" with a long alphanumeric value and "License count (for floating licenses):" with the value "3". To the right of these fields are two buttons: "Next->" and "<-Back". The left sidebar is identical to the previous screenshot, showing the Reprise Software logo and a list of "RLM Administration Commands". The bottom right corner shows a zoom level of 125%.

20. Press the Next-> button.

The screenshot shows the Reprise License Server Administration web interface. The browser address bar shows `http://localhost:5054/home.asp`. The page title is "Reprise License Server Administration" with a copyright notice "Copyright (c) 2006-2015, Reprise Software, Inc. All Rights Reserved." The main heading is "License Activation (step 4 of 5) - specify license file location". A text box explains: "RLM licenses are stored in a *license file* which needs to be accessed by either the license server (for floating licenses) or the application. By default, we place the license file in the directory where you started this rlm process. When you execute the restart/reread command on the left, the new license file will be read by rlm. However, you can specify a different location for the license file if you wish. When you have selected the desired license file location, press 'Next'." Below this, a text input field contains the value `\\activate1.lic`. To the right of the input field are two buttons: "Next->" and "<-Back". On the left sidebar, under "RLM Administration Commands", the "Activate License" button is highlighted. Other buttons include Status, Shutdown, Reread/Restart Servers, Switch Reportlog, New Reportlog, Switch Debuglog, Edit License Files, Diagnostics, RLM Manual..., System Info, and About... The status bar at the bottom shows a zoom level of 125%.

21. Press the REQUEST LICENSE button.

The screenshot shows the Reprise License Server Administration web interface at step 5 of 5: "verify parameters and request license". The browser address bar shows `http://localhost:5054/home.asp`. The page title is "Reprise License Server Administration" with a copyright notice "Copyright (c) 2006-2015, Reprise Software, Inc. All Rights Reserved." The main heading is "License Activation (step 5 of 5) - verify parameters and request license". A text box explains: "You have now entered all the data required for activation. Please verify this is the license you want to generate, and if so, press the 'REQUEST LICENSE' button below. This will request the license from the internet, and place it in the file specified below. Note that this operation may take up to 15 seconds." Below this, a table displays the "Activation Request Data":

Activation Server	www.hostedactivation.com
ISV	proplanner
Activation Key	0000-0000-0000-0000
Count	3
Hostid	28d244727a80 7c7a91c50770 7c7a91c50773 7c7a91c5076f
License File	\\activate1.lic

Below the table are two buttons: "REQUEST LICENSE" and "<-Back". On the left sidebar, under "RLM Administration Commands", the "Activate License" button is highlighted. Other buttons include Status, Shutdown, Reread/Restart Servers, Switch Reportlog, New Reportlog, Switch Debuglog, Edit License Files, Diagnostics, RLM Manual..., System Info, and About... The status bar at the bottom shows a zoom level of 125% and the URL `http://localhost:5054/goform/activate_finish`.

22. Press the (Re)Start License Server button.

The screenshot shows the Reprise License Server Administration web interface. The browser address bar displays `http://localhost:5054/home.asp`. The page title is "Reprise License Server Administration" with a copyright notice "Copyright (c) 2006-2015, Reprise Software, Inc. All Rights Reserved." The main heading is "License Activation - requesting license from internet". Below this, it says "Writing License to .\activate4.lic:". The license details are as follows:

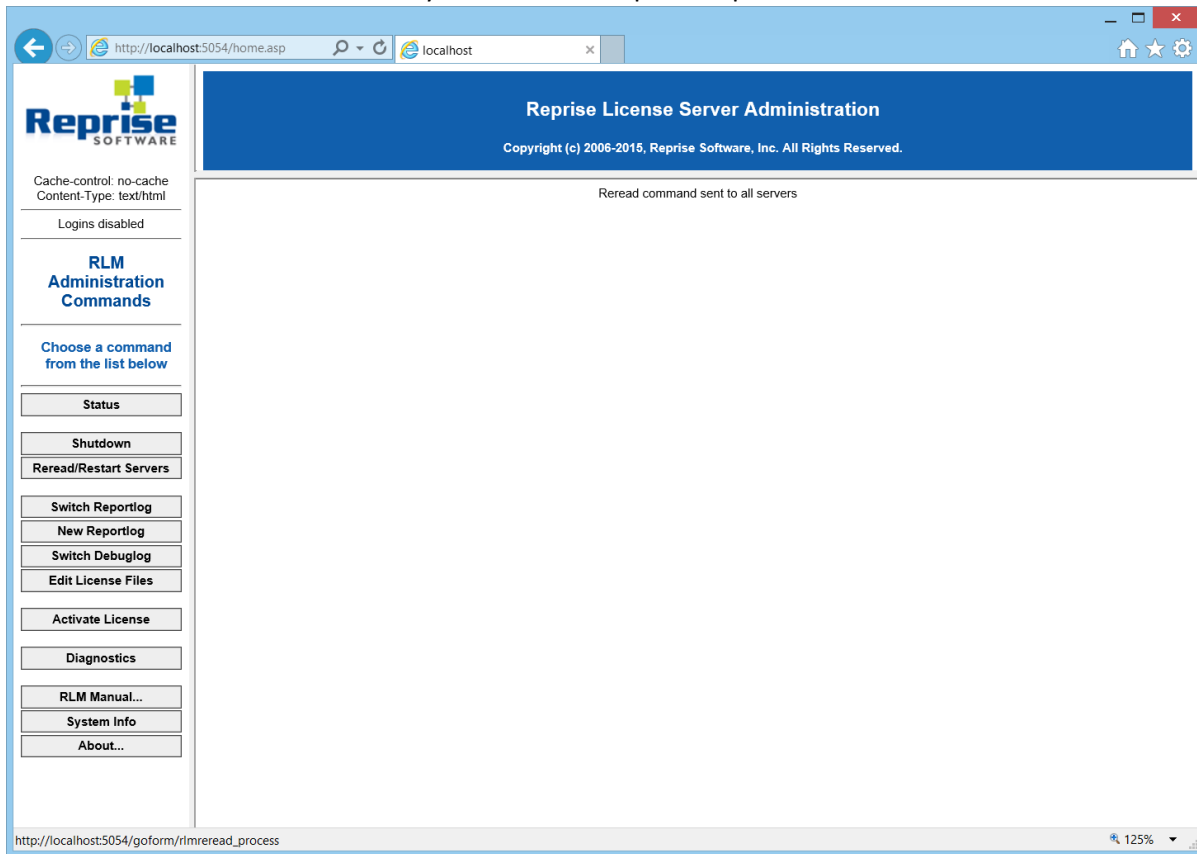
```
HOST PPCHRISTINA 28d244727a80 5053
ISV proplanner
LICENSE proplanner protimeestimation 5.0 permanent 2
customer=proplanner issued=23-nov-2016 akey=2094-0431-1564-4859
_ck=dbd7d7a491 sig="60P0453363AHKD1REYSDPFFQY0GMCPPRQBW5GC62ZHRABXA
3H7NF00W3TVXV9SKVRCK0RTDMDC"
```

Below the license details is a button labeled "(Re)Start License Server". On the left sidebar, under "RLM Administration Commands", there is a list of commands: Status, Shutdown, Reread/Restart Servers, Switch Reportlog, New Reportlog, Switch Debuglog, Edit License Files, Activate License, Diagnostics, RLM Manual..., System Info, and About... The "Reread/Restart Servers" button is highlighted.

23. Press the REREAD/RESTART button.

The screenshot shows the Reprise License Server Administration web interface. The browser address bar displays `http://localhost:5054/home.asp`. The page title is "Reprise License Server Administration" with a copyright notice "Copyright (c) 2006-2015, Reprise Software, Inc. All Rights Reserved." The main heading is "Reread/Restart Servers". Below this, it says "If ISV is specified as 'all' or blank, all ISV servers will reread licenses". There is a dropdown menu for "ISV" with the value "-all-" selected. Below the dropdown is a button labeled "REREAD/RESTART". On the left sidebar, under "RLM Administration Commands", there is a list of commands: Status, Shutdown, Reread/Restart Servers, Switch Reportlog, New Reportlog, Switch Debuglog, Edit License Files, Activate License, Diagnostics, RLM Manual..., System Info, and About... The "Reread/Restart Servers" button is highlighted.

24. The RLM license server is now ready to serve the Proplanner product licenses.



More detailed information about the RLM License Server can be found using the following hyperlink:
http://www.reprisesoftware.com/RLM_License_Administration.pdf.