

Version 2021.1

SCHLUMBERGER LICENSING

Release Notes

Schlumberger

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Security Notice

The software described herein is configured to operate with at least the minimum specifications set out by Schlumberger. You are advised that such minimum specifications are merely recommendations and not intended to be limiting to configurations that may be used to operate the software. Similarly, you are advised that the software should be operated in a secure environment whether such software is operated across a network, on a single system and/or on a plurality of systems. It is up to you to configure and maintain your networks and/or system(s) in a secure manner. If you have further questions as to recommendations regarding recommended specifications or security, please feel free to contact your local Schlumberger representative.

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Release highlights

The Schlumberger License Server 2021.1 release contains security and stability updates. The Schlumberger License Server 2021.1 is compatible with previous versions of license files and software versions.

Customers using OLGA, Drillbench, MEPO, FORGAS, PIPEFLO and WELLFLO, refer to 'Platform support notes' in this document for more information.

Summary of changes

- **The server has been upgraded to Flex 11.17.2.0.**
- **CodeMeter version 7.20 or greater.** Schlumberger no longer distributes versions of Codemeter Runtime with the Schlumberger License Server. CodeMeter Runtimes can be downloaded directly from Wibu Systems:
<https://www.wibu.com/uk/support/user/downloads-user-software.html>.

Note: The Schlumberger License Server has a dependency on Wibu Systems' CodeMeter Runtime. Schlumberger have been informed of six CVEs related to CodeMeter Runtime version 6.9 and earlier, impacting both Windows and Linux OS. The versions of the Codemeter previously distributed by Schlumberger on the Software Download Center (6.6 and 6.9 – Windows and Linux OS) contain these vulnerabilities. As such, all customers with these drivers are recommended to update to version 7.20 or greater where these CVEs have been resolved. [Read more](#)

- **Resolution of maximum connection error in Linux debug log.**

In the 2020.1 version of the Schlumberger License Server, there was edge case behavior where the debug log generated errors, notifying users that the server is operating in the excess of 80% of the maximum connections limit. Eventually, the server stopped serving licenses and had to be restarted.

This has been resolved with the upgrade to Flex 11.17.2.0.

- **Enhancements to the combination of multiple license files.**

When using multiple license files locked to the same MAC address or dongle, a message will appear prompting you to combine all license files into a single file. We recommend clicking yes. The existing license files will be backed up and a new combined license file will be created.

If the license files are not locked to the same source or if you do not choose the single license file option, the original files will be used.

Note: The Schlumberger License Server is optimized when all the Schlumberger license files on a license server are locked to the same ID (either a single CodeMeter dongle or a single MAC address, if the software supports it). Adding multiple dongles to a single license server or mixing MAC and dongle licenses is strongly advised against.

- **The Schlumberger Licensing Tool now supports all languages of the Windows OS**
- **The Schlumberger License Server installer will automatically install Microsoft Visual C++ 2019 x86 Redistributable.**

Platform support

The Schlumberger Licensing Server is supported on the following platforms:

Windows

- Windows 10 64-bit Professional/Enterprise
- Windows Server 2016 64-bit
- Windows Server 2019 64-bit

Linux

- Red Hat Enterprise Linux Server version 7 Update 5 or later (x86_64)

Platform support notes

- CodeMeter runtime version 7.20 or greater is required. We recommend that you set CodeMeter dongles to HID mode. For more information on the runtime, see http://localhost:22352/%24help/CmUserHelp/us/index.html?help_on_help.htm.
- The release of the Schlumberger Licensing Tool 2020.1 and above requires all users of OLGA, Drillbench, MEPO, FORGAS, PIPEFLO and WELLFLO (who use the SPT License Handler) to upgrade to the new Schlumberger Licensing Tool when receiving a renewal of Schlumberger license file. At the same time, the SPT License Handler must be uninstalled.
- The Schlumberger License Server works best when all the Schlumberger license files on a license server are locked to the same ID (either a single CodeMeter dongle or a single MAC address, if the software supports it). Adding multiple dongles to a single license server or mixing MAC and dongle licenses is strongly advised against.
- Only command line utilities are available on Linux platforms. There is no GUI-based license configuration tool available.
- If you run the Schlumberger Licensing Tool with administrator rights, the tool can set up a service that configures the license server to start when the computer is rebooted. If you run it without administrator rights, it can only start a process. It does not automatically restart the License Server when the machine reboots, and the license server may stop if you log out.
- The Schlumberger License Server is only supported on physical hardware. In most cases, it runs successfully on virtual machines, however, a physical dongle is required. Solutions exist from third parties to connect USB dongles through TCP connections, but these are not supported by Schlumberger. The virtual machines must be running one of the Windows Server operating systems listed above. If a dongle is required for licensing, the only supported way to connect the dongle to the Virtual Machine is using [a Digi AnywhereUSB device](#). To ensure reliability, update the firmware on the device before using it with CodeMeter dongles. You may encounter problems when using other types of virtualization, or if the virtual machine is running on Linux.
- When installing Schlumberger Licensing on Windows, you may be prompted to reboot the machine. The License Server and Licensing Tool will not work properly until a reboot has been completed.
- This version of the Schlumberger Licensing Tool does not support HASP dongle licenses. If your software requires a HASP dongle, you must use an older version of the licensing tool.

Changes to file and folder permissions

As part of the security enhancements in the 2017 License Server, the license server now runs as the “LOCAL Service” user when configured to start with Windows. If you use the Schlumberger License Tool to configure the License Server, it will modify the file and folder permissions so that the service can read the license files and executables and create and write logs. You can find the full details of what has changed in the *Troubleshooting /FAQ* section in the *Schlumberger Licensing User Guide*.

Do not install multiple versions of the Schlumberger License Tool

If you have an old version of the License Tool, please uninstall it before installing the new version. In most cases, this will happen automatically when upgrading. For more details refer to the *Schlumberger Licensing User Guide*.

Increasing security

We recommend that you run a firewall on the license server to increase security. Refer to the “*Firewall Settings*” section in the *Schlumberger Licensing User Guide*.

Known issues

CodeMeter

The CodeMeter runtime on the License Server must be upgraded to version 7.20 or greater. It can be downloaded from <https://www.wibu.com/support/user/user-software.html>.

Mixing of MAC and CodeMeter licenses

We recommend not mixing MAC and dongle licenses on the same server. It is not supported and various issues may occur to server stability, performance and start up.

Start-up with many license files

If you experience problems when you use multiple license files, refer to the “*License server not starting up*” section in the *Schlumberger Licensing User Guide*. It is recommended that you use a maximum of 4 license files.

Expired licenses

License files that contain expired or otherwise invalid licenses may cause problems when rereading or starting the server. If you experience issues, remove the expired or invalid license(s), then try to re-add the file or folder. Please note that a reread will happen automatically each day.

Quorum Server reread failures

We have seen an instance of a quorum license server sporadically failing at reread when the application is set to check out a license directly from the slbsls port. No problems have been seen when the main lmgrd port was in use, we therefore recommend as a precaution that if a quorum is in use, only the main lmgrd port is used for communications.

Administrator rights

The License Tool has limited functionality when you run it as a user with non-administrator rights. If you run it as an administrator, then it can set a configuration that a user with normal access rights cannot change. We therefore recommend that you run the tool with Administrator rights. If you use it with non-administrator rights, ensure that you have sufficient privileges to perform the tasks you require. Without using administrator rights, you can configure the License Server only as a process but not as a service. This means that you must manually restart the server each time the machine is rebooted, or after a dongle has been plugged in.

Linux

On Linux, ensure that you have all the required libraries installed. The License Server requires the lsb packages. These can be installed when logged in as root, with the command “yum install lsb”.

Failure of uninstall from start menu

Note that you may not be able to uninstall the Schlumberger Licensing Tool from the link on the Start Menu. You can uninstall the Schlumberger Licensing Tool from the Add/Remove program's dialog box inside the Control Panel.

License server program versions must match

The license server consists of several programs which must all be of compatible versions. This requirement also extends to programs on client machines as well as those on the license server itself. When you update the License Server, ensure that any client programs such as lmutil, which may be installed by other Schlumberger applications, are upgraded at the same time.

For a full list of known issues, please refer to the “*Troubleshooting /FAQ*” section in the *Schlumberger Licensing User Guide*.