FlexNet Publisher 2026 R2 (11.19.11) Release Notes

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Revision 00

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Introduction

This Release Notes document summarizes the enhancements and updates delivered with FlexNet Publisher 2026 R2 (11.19.11) in September 2026. The document includes the following information:

- Enhancements
- Security Updates
- Dongle Updates
- Platform Updates
- Resolved Issues
- Known Issues
- System Requirements
- Deprecated Features and Commands
- Legal Information

Enhancements

This release includes the following enhancements:

- Introduced IANA Time Zone–Based License Usage Support
- Introduced Vendor Callback for Granted Queued License Request

Introduced IANA Time Zone–Based License Usage Support

FlexNet Publisher 11.19.11 introduces a new vendor keyword, `TZ_IANA`, that provides enhanced control over license usage for features based on IANA time zone identifiers. This new keyword enables software publishers to allow or restrict the license usage to systems and running FlexEnabled applications, located within the specific geographic time zone regions, using standardized IANA time zone definitions.

The `TZ_IANA` keyword must be typically specified in the FEATURE and INCREMENT lines of a license file to enforce license usage restrictions for a feature.

For example,

```
FEATURE f1 demo 1.0 31-dec-2026 10 SIGN=123456 \TZ_IANA="Asia/Kolkata -Europe/London"
```

In this example:

- License usage is allowed for systems configured with the `Asia/Kolkata` IANA time zone.
- License usage is denied for systems configured with the `Europe/London` IANA time zone.

FlexNet Publisher 11.19.11 also introduces a new vendor variable, `ls_deny_if_no_iana_tz`, that controls whether the vendor daemon denies license checkout requests that do not include IANA time zone-based information for TZ_IANA-based license validation. Setting the `ls_deny_if_no_iana_tz` variable to `1` enables the vendor daemon to deny license checkout requests that do not include IANA time zone-based information. By default, the `ls_deny_if_no_iana_tz` variable is set to `0`.

Additionally, a new environment variable, `LM_SET_SERVER_IANA_ID`, is introduced to store the override value configured for the license server's IANA time zone identifier. This environment variable can be used in environments where the server's detected IANA time zone must be overridden for administrative, testing, or deployment purposes.

For more details, see the following in the *FlexNet Publisher 2026 R2 (11.19.11) Programming Reference for License File–Based Licensing*:

- TZ_IANA
- ls_deny_if_no_iana_tz
- Testing Time Zone Licensing

(FNP-35296)

Introduced Vendor Callback for Granted Queued License Request

FlexNet Publisher 11.19.11 introduces a new vendor-defined callback, `ls_queue_out_callback`, which is invoked when a queued license request is dequeued and successfully granted a license.

When a license becomes available and a previously queued request is granted the license, the vendor-defined callback is invoked with information about the client, feature, feature version, and the number of licenses checked out. This enables vendors to perform custom processing such as logging, auditing, usage tracking, and statistics collection for dequeued checkout events.

For more details, see ls_queue_out_callback in the *FlexNet Publisher 2026 R2 (11.19.11) Programming Reference for License File–Based Licensing*.

(Case 04975813, FNP-35807)

Security Updates

This release includes the following security updates:

- Third-Party Library Updates

Third-Party Library Updates

gSOAP

gSOAP has been upgraded from version 2.8.135 to version 2.8.142.

(FNP-36077)

OpenLDAP

OpenLDAP has been upgraded from version 2.6.10 to version 2.6.13.

(FNP-36077)

OWASP mod-security

OWASP mod-security has been upgraded from version 2.9.12 to version 2.9.13.

(FNP-36077)

OpenSSL

OpenSSL has been upgraded from version 3.0.18 to version 3.5.6.

(FNP-36077)

libxml2

libxml2 has been upgraded from version 2.15.1 to version 2.15.3.

(FNP-36077)

libexpat

libexpat has been upgraded from version 2.7.3 to version 2.8.2.

(FNP-36077)

Apache httpd

Apache httpd has been upgraded from version 2.4.66 to version 2.4.67.

(FNP-36077)

Apache Log4j

Apache Log4j has been upgraded from version 2.17.0 to version 2.26.0.

(FNP-36077)

Dongle Updates

This section list the dongle drivers that have been updated in this release:

SafeNet Dongle Drivers

The SafeNet dongle drivers have been upgraded from version 10.13 to version 10.32.



Note ▪ *The dongle driver version has been upgraded across all supported operating systems, with the exception of the following platforms, which continue to use the previous driver version:*

- *macOS/OS X (32-bit and 64-bit)*
- *Red Hat Enterprise Linux (RHEL) 32-bit*
- *SUSE Linux Enterprise Server (SLES) 32-bit*

(FNP-36279)

Wibu Dongle Drivers

The Wibu dongle drivers have been upgraded from version 6.70 to version 6.71 for Microsoft Windows (32-bit and 64-bit) platforms only. The driver version is unchanged on all other supported operating systems.

(FNP-36279)

Platform Updates

This section lists platform updates for the following releases:

- 11.19.11 Updates
- 11.19.10 Updates
- 11.19.9 Updates
- 11.19.8 Updates

11.19.11 Updates

Updates have been made in the following areas for FlexNet Publisher 11.19.11:

- Integrated Products and Tested Versions
- Hypervisor
- Linux
- macOS
- Oracle
- Windows

Integrated Products and Tested Versions

The following table lists the integrated products and tested versions for this release:

Product	Tested Version
FlexNet Operations	FlexNet Operations 2026.01 (26.1.0)
FlexNet Manager for Engineering Applications	FlexNet Manager for Engineering Applications 2026 R2 (15.21.0)
FlexNet Operations Cloud	FlexNet Operations Cloud 2026.08 (2026.08)

Hypervisor

End of Life VMware Workstation 17.x

FlexNet Publisher no longer supports the VMware Workstation 17.x hypervisor from FlexNet Publisher release R2, 2026, onwards.

Support for VMware Workstation 25 H2

FlexNet Publisher supports the VMware Workstation 25 H2 from FlexNet Publisher release R2, 2026, onwards.

Linux

End of Support SUSE Linux 15 SP4

FlexNet Publisher will not support the SUSE Linux 15 SP4 platform from FlexNet Publisher release R1, 2027, onwards.

Support for SUSE Linux 16

FlexNet Publisher supports the SUSE Linux 16 platform from FlexNet Publisher release R2, 2026, onwards.

macOS

End of Life macOS 13

FlexNet Publisher no longer supports the macOS 13 platform from FlexNet Publisher release R2, 2026, onwards.

End of Life macOS 14

FlexNet Publisher no longer supports the macOS 14 platform from FlexNet Publisher release R2, 2026, onwards.

End of Support macOS 15

FlexNet Publisher will not support the macOS 15 platform from FlexNet Publisher release R1, 2027, onwards.

Support for macOS 27 ARM

FlexNet Publisher supports the macOS 27 ARM platform from FlexNet Publisher release R2, 2026, onwards.

Oracle

End of Support Oracle Java 17

FlexNet Publisher will not support the Oracle Java 17 platform from FlexNet Publisher release R1, 2027, onwards.

Windows

End of Support Windows Server 2016

FlexNet Publisher will not support the Windows Server 2016 platform from FlexNet Publisher release R1, 2027, onwards.

Support for Microsoft Visual Studio 2026

FlexNet Publisher supports the Microsoft Visual Studio 2026 from FlexNet Publisher release R2, 2026, onwards.

11.19.10 Updates

Updates have been made in the following areas for FlexNet Publisher 11.19.10:

- Integrated Products and Tested Versions
- Hypervisor
- Linux
- lmadmin
- macOS
- Oracle
- Windows

Integrated Products and Tested Versions

The following table lists the integrated products and tested versions for this release:

Product	Tested Version
FlexNet Operations	FlexNet Operations 2024.06 (24.6.0)
FlexNet Manager for Engineering Applications	FlexNet Manager for Engineering Applications 2025 R2 (15.20.0)
FlexNet Operations Cloud	FlexNet Operations Cloud 2026.03 (2026.03.66)

Hypervisor

End of Life VMware ESXi 7.x

FlexNet Publisher no longer supports the VMware ESXi 7.x hypervisor from FlexNet Publisher release R1, 2026, onwards.

End of Life VMware Workstation 16

FlexNet Publisher no longer supports the VMware Workstation 16 hypervisor from FlexNet Publisher release R1, 2026, onwards.

Linux

End of Life SUSE Linux 12 SP5

FlexNet Publisher no longer supports the SUSE Linux 12 SP5 platform from FlexNet Publisher release R1, 2026, onwards.

End of Life SUSE Linux 15 SP3

FlexNet Publisher no longer supports the SUSE Linux 15 SP3 platform from FlexNet Publisher release R1, 2026, onwards.

End of Support SUSE Linux 15 SP4

FlexNet Publisher will not support the SUSE Linux 15 SP4 platform from FlexNet Publisher release R1, 2027, onwards

Support for Debian 13

FlexNet Publisher supports the Debian 13 platform from FlexNet Publisher release R1, 2026, onwards.

lmadmin

End of life lmadmin 32-bit

All 32-bit lmadmin toolkits, including those for Windows and Linux platforms, are no longer supported from FlexNet Publisher release R1, 2026, onwards.

macOS

Support for macOS 13

FlexNet Publisher supports the macOS 13 platform in FlexNet Publisher release R1, 2026.

Oracle

End of Support Oracle Java 17

FlexNet Publisher will not support the Oracle Java 17 platform from FlexNet Publisher release R1, 2027, onwards.

Windows

End of Support Windows 2016

FlexNet Publisher will not support the Window 2016 platform from FlexNet Publisher release R1, 2027, onwards.

11.19.9 Updates

Updates have been made in the following areas for FlexNet Publisher 11.19.9:

- Integrated Products and Tested Versions
- Hypervisor
- Linux
- macOS
- Oracle

Integrated Products and Tested Versions

The following table lists the integrated products and tested versions for this release:

Product	Tested Version
FlexNet Operations	FlexNet Operations 2024.06 (24.6.0)
FlexNet Manager for Engineering Applications	FlexNet Manager for Engineering Applications 2025 R1 (15.19.0)
FlexNet Operations Cloud	FlexNet Operations Cloud 2025.02 (2025.09.76)

Hypervisor

Support for VMware ESXi 8.x

FlexNet Publisher supports the VMware ESXi 8.x hypervisor from FlexNet Publisher release R2, 2025, onwards.

End of Support for VMware ESXi 7.x

FlexNet Publisher will not support the VMware ESXi 7.x hypervisor from FlexNet Publisher release R1, 2026, onwards.

End of Support for VMware Workstation 16

FlexNet Publisher will not support the VMware Workstation 16 hypervisor from FlexNet Publisher release R1, 2026, onwards.

Linux

Support for RHEL 10

FlexNet Publisher supports the RHEL 10 platform from FlexNet Publisher release R2, 2025, onwards.

Support for SUSE Linux 15 SP7

FlexNet Publisher supports the SUSE Linux 15 SP7 platform from FlexNet Publisher release R2, 2025, onwards.

End of Support SUSE Linux 15 SP3

FlexNet Publisher will not support the SUSE Linux 15 SP3 platform from FlexNet Publisher release R1, 2026, onwards.

macOS

End of Life macOS 13

FlexNet Publisher no longer supports the macOS 13 platform from FlexNet Publisher release R2, 2025, onwards.

Support for macOS 26

FlexNet Publisher supports the macOS 26 platform from FlexNet Publisher release R2, 2025, onwards.

Oracle

Support for Oracle Java 25

FlexNet Publisher supports the Oracle Java 25 platform from FlexNet Publisher release R2, 2025, onwards.

11.19.8 Updates

Updates have been made in the following areas for FlexNet Publisher 11.19.8:

- Integrated Products and Tested Versions
- macOS
- Linux
- Windows

Integrated Products and Tested Versions

The following table lists the integrated products and tested versions for this release:

Product	Tested Version
FlexNet Operations	FlexNet Operations 2024.06 (24.6.0)
FlexNet Manager for Engineering Applications	FlexNet Manager for Engineering Applications 2024 R2 (15.18.0)
FlexNet Operations Cloud	FlexNet Operations Cloud 2025.02 (25.02.62)

macOS

End of Life macOS 12

FlexNet Publisher no longer supports the macOS 12 platform from FlexNet Publisher release R1, 2025, onwards.

End of Support macOS 13

FlexNet Publisher will not support the macOS 13 platform from FlexNet Publisher release R2, 2025, onwards.

Linux

End of Life SUSE Linux 15 SP2

FlexNet Publisher no longer supports the SUSE Linux 15 SP2 platform from FlexNet Publisher release R1, 2025, onwards.

End of Life Ubuntu 20.04

FlexNet Publisher no longer supports the Ubuntu 20.04 platform from FlexNet Publisher release R1, 2025, onwards.

Windows

Support for Windows Server 2016

FlexNet Publisher reinstates support for the Windows Server 2016 platform from FlexNet Publisher release R1, 2025, onwards.

Support for Windows Server 2025

FlexNet Publisher supports the Windows Server 2025 platform from FlexNet Publisher release R1, 2025, onwards.

Resolved Issues

This release of the FlexNet Publisher Licensing Toolkit resolves the following issues. (Numbers in parentheses indicate the Revenera issue reference number as well as the Salesforce reference number, if applicable.)

- Resolved Issues Between Client and License Server
- Resolved Issues Between Client and License Server
- Resolved Issues Specific to Secure Communication
- Resolved General Issues

Resolved lmadmin, lmgrd, Vendor daemon, and Utility Issues

The following issues related to `lmadmin`, `lmgrd`, vendor daemon, or utilities were addressed in this release:

- CVD License Validation Failed With Case-Sensitive Attributes
- lmstat Crashed When Querying a Remote License Server
- Older Applications Reported Incorrect Vendor Daemon Version Information
- Resolved Compiler Warnings During lmcrypt Build on Windows

CVD License Validation Failed With Case-Sensitive Attributes

The `lmlicvalidator` utility failed to validate a Common Vendor Daemon (CVD) license file that included the case-sensitive license API attribute enabled for primary vendor daemons. The validation failed with an error indicating an inconsistent authentication code, and a subsequent `lmreread` operation could cause the vendor daemon to exit. This issue has been fixed.

(Case 04578923, FNP-35005)

lmstat Crashed When Querying a Remote License Server

A `lmstat` utility crash was observed when a remote client machine attempted to query a license usage information from a license server (`lmgrd`) launched with the `-localonly` command-line argument, and the license file was specified using the `-c` command-line argument. This issue has been fixed.

(Case 04974086, FNP-35759)

Older Applications Reported Incorrect Vendor Daemon Version Information

An application built with an earlier FlexNet Publisher licensing toolkit version, such as FlexNet Publisher 11.19.1.0, incorrectly reported vendor daemon version information when connecting to a vendor daemon built with the FlexNet Publisher 11.19.10.0 or later version. The issue occurred when the application used the **lc_get_attr** API with the `LM_A_VD_GENERIC_INFO` API attribute to retrieve vendor daemon information. This issue has been fixed.

(Cases 05037914, 05050003; FNP-36159)

Resolved Compiler Warnings During lmcrypt Build on Windows

When the `lmcrypt` utility built on a Windows machine, non-fatal compiler warnings reported during compilation. This issue has been fixed, and affects only the Windows platform.

(Case 03577593, FNP-34473)

Resolved Issues Between Client and License Server

The following issues related to the client and license server were resolved in this release:

- Heartbeats Failed After Changing the LM_PROJECT Value
- Incorrect Error Reported in Multi-Server Configuration

Heartbeats Failed After Changing the LM_PROJECT Value

An issue occurred where heartbeats failed after the `LM_PROJECT` environment value was changed and the license server was restarted. This issue has been fixed.

(Case 03972565, FNP-35003)

Incorrect Error Reported in Multi-Server Configuration

In a multi-server configuration (configured using the `lmpath` utility), a license checkout request that failed because of an options file restriction, such as `MAX`, `INCLUDE`, or `EXCLUDE`, resulted in the client reporting `-5 (LM_NOFEATURE / "No such feature exists")` instead of the actual error returned by the license server hosting the requested feature. This occurred when the last server evaluated in the search path did not host the requested feature.

This issue has been fixed. The client now correctly reports the error returned by the server hosting the requested feature. For example, when a license checkout exceeds a `MAX` limit defined in the options file, the client correctly reports `-87 / LM_MAXLIMIT`, regardless of the order of servers configured in `lmpath`.

(Case 02855541, FNP-31740)

Resolved Issues Specific to Secure Communication

The following issue related to the secure communication was resolved in this release:

- Inconsistent libfnpssl Loading Behavior Between Windows and Linux

Inconsistent libfnpssl Loading Behavior Between Windows and Linux

An issue caused inconsistent behavior between Windows and Linux machines when the `libfnpssl` library was located in a directory different from the directory containing `lmgrd` and the vendor daemon. On a Windows machine, the vendor daemon could locate the library through the system `PATH` environment variable, while on a Linux machine, the vendor daemon expected the library to be available in the current working directory. As a result, secure communications could be enabled on Windows but remain disabled on Linux when the same configuration was used.

This issue has been fixed. The behavior is now consistent across Windows and Linux: secure communication is enabled when `lmgrd`, the vendor daemon, and the corresponding `libfnpssl` library (`libfnpssl.dll` on Windows or `libfnpssl.so` on Linux) are located in the same directory.

(Case 04123156, FNP-35139)

Resolved General Issues

The following general issues were resolved in this release:

- Unexpected Checked Out Data in lmstat Output When ls_show_vendor_def is Disabled
- Transfer and Borrow Operations Failed With the Same Job
- Duplicate Symbol Warnings in lmgr.lib
- datestamp Formatting Issue in ls_log_message Output

Unexpected Checked Out Data in lmstat Output When ls_show_vendor_def is Disabled

An issue was observed with FlexNet Publisher 11.19.8 and 11.19.9 licensing kits, where vendor-defined checkout data for each checkout was unexpectedly appeared in the `lmstat` output even when the `ls_show_vendor_def` vendor variable was set to `0`. As per the expected behavior, vendor-defined checkout data must only be displayed in the `lmstat` output when the `ls_show_vendor_def` vendor variable is set to 1 (or any non-zero value). This issue has been fixed.

(Case 04955990, FNP-35637)

Transfer and Borrow Operations Failed With the Same Job

An issue was observed where using the `LM_A_SERVEDTRANSFER_EXPIRE` and `LM_A_BORROW_EXPIRE` API attributes with the same job caused either the 'Transfer' or 'Borrow' operation to fail, depending on the order in which the operations were invoked.

Invoking 'Transfer' prior to 'Borrow' caused the 'Borrow' operation to fail, while invoking 'Borrow' prior to 'Transfer' caused the 'Transfer' operation to fail.

This issue has been fixed. Both 'Transfer' and 'Borrow' operations can now be used successfully with the same job when their expiry is configured using the corresponding API attributes.

(Case 04349107, FNP-34895)

Duplicate Symbol Warnings in lmgr.lib

Duplicate symbol warnings were generated when using the `lmgr.lib` library in certain Windows environments. The issue has been fixed, and `lmgr.lib` no longer generates duplicate symbol warnings in the affected environments.

(Cases 02519101, 02675932; FNP-24498)

datestamp Formatting Issue in ls_log_message Output

An issue was observed where messages logged through the **ls_log_message** API did not follow the configured `datestamp` format when the license server was started with the `-datestamp` option. This issue has been fixed.

(Case 04974282, FNP-35755)

Known Issues

This release includes known issues in the following categories:

- Known General Issues
- Known Dongle Issues
- Known lmadmin Issues
- Known Issues Specific to License File–Based Licensing

Known General Issues

Build Failure on Solaris

When building a kit on the Solaris platform, a build failure is observed with the following error:

```
<cc -g -I../machind -I. -DFD_LIMIT_CHECK -DFLEX_INET6 -g -xO3 -xarch=generic64 -
xldscope=hidden -DOS_SOLARIS -DECMC_DISABLE_FAKE_TPM=1 -DLM_INTERNAL -DFLEXLM_KITBUILD -
DFLEX_STATIC -DSUNOS5 -DSUNOS10 -DSUN64 -DPLATFORM_X64_SUN -DNO_ACTIVATION_SUPPORT -
xarch=generic64 -B eliminate -z text -z defs -z verbose -z nocompstrtab -o qavend1 lsvendor.o
lm_new.o \
 liblmgr_as.a liblmgr_s.a liblmgr_trl.a libcrvs.a libsb.a ./activation/lib/libnoact.a -lsocket
-lnsl -lrt -ldl -lpthread
gstrip qavend1
sh: gstrip: not found
*** Error code 127
make: Fatal error: Command failed for target `qavend1'
```

This issue can be resolved by replacing `"STRIP = gstrip"` with `"STRIP = strip"` in the `makefile/makefile.act`.

(FNP-30781)

License File Information on lmgrd Port

When a secure utility communicates with a license server, the Wireshark tool captures the license file information on the lmgrd port.

(FNP-31334)

Secure Utility Failure to Return Proper Error

A secure utility fails to return the proper error code on communication with the SSL certificate of a disabled license server.

(FNP-31337)

Vendor Daemon Crash Due to LM_A_MULTIPLE_CHECKOUT_DATA Usage

Multiple vendor daemon crashes are observed while using a FlexEnabled application (lmflex) with the `LM_A_MULTIPLE_CHECKOUT_DATA` API attribute.

(FNP-31403, FNP-31405)

Longer-Expiry Licenses Removed With Earlier Expiring Licenses

When the transfer cache contains licenses with longer expiry intervals listed before those with shorter expiry intervals, there is a risk that the longer-expiry licenses may be inadvertently removed along with the licenses that expire earlier.

(FNP-34055)

Behavior of Automatic Reread on Simultaneous License Expirations

When multiple transferred licenses expire at the same time, and an automatic reread is triggered during that interval, all licenses that are already expired prior to the triggering of the automatic reread are removed. The remaining licenses that expire shortly will be removed during the next automatic reread cycle.

(FNP-34209)

Build Failure for Vendor-Defined Hostid on macOS and Linux

Building a `universal2_mac11` kit for a vendor-defined hostid (VDH) on macOS and Linux operating systems may fail with the following error messages:

- `error: incompatible function pointer types`
- `error: call to undeclared function 'x_flexlm_gethostid'; ISO C99 and later do not support implicit function declarations [-Wimplicit-function-declaration]`
- `error: call to undeclared function 'x_flexlm_newid'; ISO C99 and later do not support implicit function declarations [-Wimplicit-function-declaration]`

As a workaround, include the flags, `Wno-incompatible-function-pointer-types` and `-Wno-implicit-function-declaration`, to the `XTRACFLAG` definition in the `makefile.act` (or “makefile”) as shown below:

```
XTRACFLAG = -fno-common -DMAC10  -DLM_INTERNAL -Wno-incompatible-function-pointer-types -Wno-implicit-function-declaration
```

(FNP-34829)

License Checkout Failure With LM_A_PORT_HOST_PLUS Set to 0 and PLAT Keyword

A license checkout may fail when the LM_A_PORT_HOST_PLUS API attribute is set to 0 and server line includes a PLAT keyword.

(FNP-34226)

lc_check_key API Failure With PLAT Keyword

A failure may occur when using the lc_check_key API and a PLAT keyword in the server line.

(FNP-34227)

FlexNet Licensing Service Installation Failure on SUSE Machine

FlexNet Licensing Service (FNLS) fails to install on a SUSE machine due to the missing FUSE permission. Specifically, FNLS installation depends on the FUSE permission configured in the `/etc/fuse3.conf` file

Workaround:



Task ***To resolve this issue, update the FUSE configuration as follows:***

1. Open the `/etc/fuse3.conf` (FUSE configuration) file and add the following line:

   ```
   user_allow_other
   ```

2. Save the file.
3. Retry the installation of FlexNet Licensing Service (FNLS).

After applying this change, the FlexNet Licensing Service (FNLS) installation on SUSE machines must be completed successfully.

(FNP-35801)

Hostid Deviation Persists in Server Log After FlexNet Licensing Service Reinstallation

A host ID deviation, which is observed in the server log after uninstalling the FlexNet Licensing Service (FNLS), continues to persist in the server log after reinstalling the same.

(FNP-35640)

FQDN Reported in Hostid Deviation After Network Adapter Addition on Windows

On a Windows machine, after adding a new network adapter, the server log reports a hostid deviation with constituents Ethernet and FQDN, even though the FQDN has not been explicitly changed.

(FNP-35638)

Inconsistent Hostid Deviation Reported After Network Adapter Addition on Linux Virtual Machine

On a Linux virtual machine, adding a new network adapter results in a BuiltIn-Composite hostid change. Although the server log reports an invalid hostid due to this change, the notification framework does not report any deviation, leading to an inconsistent behavior.

(FNP-35636)

Hostid Deviation Not Reported in Triad Setup After FlexNet Licensing Service Uninstallation

On a triad configuration using BuiltIn-Composite hostids, uninstalling FlexNet Licensing Service (FNLS) on the primary server results in a change to the hostid; however, the server continues to operate even though the hostid no longer matches the value specified in the SERVER line. Additionally, the expected `Invalid hostid on SERVER line` message is not logged.

(FNP-35795)

Local Uncounted License Checkout Required LM_LICENSE_FILE

A feature checkout from a local uncounted license file may fail when the license file and `lmflex` executable are located in the same directory, and the `LM_LICENSE_FILE` environment variable is not set. In this scenario, the checkout may fail with FlexNet Licensing error `-15`.

Workaround:

Set the `LM_LICENSE_FILE` environment variable to the full path of the uncounted license file before performing the checkout.

(FNP-36809)

Known Dongle Issues

Backward Compatibility Issue Due to the New Signer

If the SafeNet dongle drivers and its DLL are upgraded to version 8.53 and 8.5 respectively, and also if the Wibu dongle drivers are upgraded to version 6.60, the DLL signature issuer name is changed from "Symantec" to "DigiCert" on Windows. The same is fixed in FlexNet Publisher's code to handle the new signer. Due to this change, backward compatibility is not possible. If you install the latest drivers, old clients will not be able to retrieve the dongle ID.

(FNP-26594, FNP-28216)

Flexid10 Dongle Driver Issue

FLEXID10 dongles may not work correctly with the latest v6.50 driver on VMware hypervisors. This issue has been identified on both Windows and Linux platforms with a dongle connected using a USB passthrough on VMware ESXi and on VMware Workstation. The problem has been reported to Wibu. As a temporary workaround, use the previous version v6.32 driver on VMware hypervisors.

(FNP-17284, FNP-16819)

Dongles in macOS

Dongle drivers are not supported on the macOS platform for FlexNet Publisher release R1, 2023.

(FNP-24876, FNP-24877)

SafeNet Dongle Drivers Support in Linux 32-bit Platform

In FlexNet Publisher release, R1, 2023, the SafeNet dongle drivers with version 8.43 only support the Linux 32-bit platform. The SafeNet Dongle drivers will not support the Linux 32-bit platform from FlexNet Publisher release, R3, 2023, onwards.

(FNP-28443)

Known lmadmin Issues

lmadmin Silent Installer Not Displaying Required Error Message

When a non-root user attempts to install `lmadmin` in the default location, the installer may hang.

(FNP-6942)

Unable to Start lmadmin Services Using CLI in Windows Server 2022

The `lmadmin` services created on a Windows 2022 machine are unable to start when using the command prompt.

(FNP-26481)

lmadmin Login Error Observed in Windows Server 2022

While logging in to `lmadmin` on Windows Server 2022, the error "Old password is incorrect" is seen.

(FNP-26482)

Vendor Daemon Fails Due to an Older lmadmin or FlexEnabled App

A vendor daemon fails to appear when an earlier version of lmadmin is used for importing the installation files or an earlier version of a FlexEnabled app is used. As a workaround, specify a soft link to the native loader. The following symlinks have been verified on RHEL9:

32-bit Linux

```
sudo bash -c "if [ ! -e /lib/ld-lsb.so.3 ]; then ln -s ld-linux.so.2 /lib/ldlsb.so.3; fi"
```

64-bit Linux

```
sudo bash -c "if [ ! -e /lib64/ld-lsb-x86-64.so.3 ]; then ln -s ld-linux-x86-64.so.2 /
lib64/ld-lsb-x86-64.so.3; fi“
```

From 11.19.5 onwards, the `install_fnp.sh` script will not issue a warning if LSB is not detected on the host. Additionally, this script does not support a new `-nolsb` parameter, which sets up the above symlinks.

(Cases 02737901, 02753124, 02795350, 02800462; FNP-28345, FNP-30554)

lmadmin Installer Failure on Solaris

The lmadmin installer fails to run on the Solaris platform when using the Java 8. However, the lmadmin installer on the Solaris Intel platform runs with the Java 11.0.19 (LTS), released on April 18, 2023.



Note ▪ *Consider the following information:*

- *Java 8 is no longer supported on the Solaris platform from FlexNet Publisher release R3, 2023, onwards.*
- *Java 11 is no longer supported on the Solaris platform from FlexNet Publisher release R1, 2024, onwards.*

(FNP-33669)

Invalid Pop-up During lmadmin Installation on macOS

An invalid pop-up may appear during the lmadmin installation on macOS platform.

(FNP-33097)

Known Issues Specific to License File–Based Licensing

lmdiag Displaying Incorrect Output When Multiple Vendors are Served by a Single License Server Manager

If multiple vendor daemons are served by a single license server manager (such as lmgrd), lmdiag shows an incorrect error message “No such feature exists” for features that are served by one of the valid daemons.

(Case 01202287, FNP-19617)

"MAX_CONNECTIONS" Option File Keyword

If a software publisher upgrades only lmgrd and vendor daemon to version 11.16.3 or above, but not the client, the error code that would be received by an older version (version < 11.16.3) client when MAX_CONNECTIONS limit is exceeded is as follows:

```
LM_BADCOMMAND” Error code: “-140” - “A bad command was found in a message.
```

(FNP-20537)

System Requirements

The System Requirements include the following:

- Tested Platforms
- System Requirements for lmadmin

Tested Platforms

The following sections describe the platforms tested with the FlexNet Publisher 2026 R2 (11.19.11) Licensing Toolkits.

- C/C++ Toolkits
- Java Toolkits
- Detailed Platform Information
- Toolkits That Support Prepped Trusted Configuration
- Virtualization
- Tested Cloud Environments

A list of supported platforms can be found here:

https://docs.revenera.com/eol/

C/C++ Toolkits

The following platforms are tested. See the Detailed Platform Information section for more information about each platform.

Table 1 ▪ Tested Platforms—C/C++ Toolkits

Platform Type	Hardware Type	Operating System
Linux 32-bit	x64	RHEL 8*
Linux 64-bit	x64	RHEL 8, 9, and 10 SLES 15 SP4, SLES 15 SP6, SLES 15 SP7*, SLES 16, Ubuntu 22.04, Ubuntu 24.04, and Debian 13.
	ARMv8-A (AArch64)	RHEL 8 SLES 15*
macOS/OS X 64-bit	x64	macOS 15.X macOS 26.X
macOS ARM 64-bit	ARM-64	macOS 15.X* macOS 26.X macOS 27.X

Table 1 ▪ Tested Platforms—C/C++ Toolkits

Platform Type	Hardware Type	Operating System
Microsoft Windows 32-bit	x64	Windows 10*
		Windows 11
		Windows Server 2016*
		Windows Server 2019*
		Windows Server 2022*
		Windows Server 2025*
Microsoft Windows 64-bit	x64	Windows 10*
		Windows 11
		Windows Server 2016*
		Windows Server 2019
		Windows Server 2022
		Windows Server 2025
		It is a best practice to run license servers on a server-based OS.
	ARMv8-A (AArch64)	Windows 11
Solaris 32-bit	SPARC 32-bit	Solaris 11
	x86	
Solaris 64-bit	SPARC 64-bit	Solaris 11
	x86-x64	



Note ▪ *The asterisk (*) symbol indicates that the version of operating system is supported but has not been tested in the current release.*

Java Toolkits

The following platforms have been tested. See Java Standard Edition in Detailed Platform Information for more information about this platform.

Table 2 ▪ Tested Platforms—Java Toolkits

Platform Type	Hardware Type	Version
Java Development Kit	• Windows x86	OpenJDK 17
	• Windows x64	OpenJDK 21
	• Linux x86	OpenJDK 25
	• Linux x64	
	• macOS x64	



Note ▪ *The OpenJDK 8 version was the final release available for the Solaris platform; however, FlexNet Publisher no longer supports the OpenJDK 8 version.*

Detailed Platform Information

The following sections list the operating systems and their associated hardware platforms tested with FlexNet Publisher 2026 R2 (11.19.11). Each platform entry contains the following information:

- **Platform name**—The name that identifies this platform when used with the PLATFORMS keyword in a license file.
- **Package identifier**—The name of the toolkit package on Revenera's download site.
- **Tested compiler**—The compiler and version with which this package was tested. Choose a compiler for your development and build environment that is compatible with the one listed.
- **Notes**—Additional platform-specific notes that are useful for developing your FlexEnabled product.
- **Security functionality**—Denotes the level of security functionality your toolkit supports. This information is useful when you implement trusted storage-based licensing in your product. See *Programming Reference for Trusted Storage–Based Licensing* for details.

Click a link to access platform details:

- Microsoft Windows 32-bit
- Microsoft Windows 64-bit
- Microsoft Windows 64-bit (AArch64)
- Linux 32-bit
- Linux 64-bit
- ARMv8-A (AArch64)

- macOS/OS X 64-bit
- macOS ARM 64-bit
- Solaris 32-bit
- Solaris 64-bit
- Java Standard Edition

Microsoft Windows 32-bit

The following table lists information about the Microsoft Windows 32-bit systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	i86_n
Package Identifier	i86_n3
Tested Compiler	• Visual Studio 2026 (18.7.2) • Visual Studio 2022 (17.14.25) • Visual Studio 2019 (16.11.44)*

Notes	• Multiple Ethernet hostids are supported.
	• Short-code transactions are supported.
	• Prepped Trusted Configuration is supported.
	• Tested virtual machine platforms include:
	VMware Workstation 25.0.1
	VMware ESXi 7*
	Microsoft Windows Server 2019 Hyper-V*
	Microsoft Windows Server 2022 Hyper-V*
	Microsoft Windows 10 Hyper-V*
	Citrix XenServer 8.3*
	Oracle Virtual Box 7.2.6*
	Parallels Desktop 20 for macOS 13.2*
	everRun 7.9.1*
	Nutanix AHV (Version 2020.09.16 Community Edition)*
	QEMU-KVM (Host OS: CentOS 8)*
	  • Hypervisor: qemu-kvm-ev-3.2.0
	  • Hypervisor Services: libvirt-daemon-kvm-8.0.0
	  • Virtual Machine Manager: vmm v3.2.0

Item	Description
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.



Note ▪ *The asterisk (*) symbol indicates that the version of Visual Studio or hypervisor is supported but has not been tested in the current release.*

Microsoft Windows 64-bit

The following table lists information about the Microsoft Windows 64-bit systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	x64_n
Package Identifier	x64_n6
Tested Compiler	• Visual Studio 2026 (18.7.2) • Visual Studio 2022 (17.14.25) • Visual Studio 2019 (16.11.44)

Item	Description

Notes	• `lmadmin` is supported using its 64-bit binary. While the 32-bit `lmadmin` binary (contained in the x86_n3 toolkit) continues to be supported on 64-bit systems, Revenera recommends using the 64-bit binary on 64-bit systems.
	• Multiple Ethernet hostids are supported.
	• Short-code transactions are supported.
	• Prepped Trusted Configuration is supported.
	• The `lmtools` utility cannot interact with the license server manager (`lmgrd`) when `lmgrd` is run as a service.
	• Tested virtual machine platforms include:
	VMware Workstation 25.0.1
	VMware ESXi 7
	Microsoft Windows Server 2019 Hyper-V*
	Microsoft Windows Server 2022 Hyper-V
	Microsoft Windows 10 Hyper-V*
	Citrix XenServer 8.3
	Oracle Virtual Box 7.2.6
	Parallels Desktop 20 for macOS 13.2*
	everRun 7.9.1
	Nutanix AHV (Version 2020.09.16 Community Edition)*
	QEMU-KVM (Host OS: CentOS 8)
	  • Hypervisor: qemu-kvm-ev-3.2.0
	  • Hypervisor Services: libvirt-daemon-kvm-8.0.0
	  • Virtual Machine Manager: vmm v3.2.0

Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.



Note ▪ *The asterisk (*) symbol indicates that the version of hypervisor is supported but has not been tested in the current release.*

Microsoft Windows 64-bit (AArch64)

The following table lists information about the Microsoft Windows 64-bit (AArch64) systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	arm64_n
Package Identifier	arm64_n6
Tested Compiler	• Visual Studio 2022 (17.14.25)
Notes	• `lmadmin` is not supported in this toolkit • No VM detection or VMID hostid support • No dongle support • No trusted storage support • Tested virtual machine platforms include Parallels Desktop 26 for macOS 15.5
Toolkit Functionality	Licensing based on license files.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.

Linux 32-bit

The following table lists information about the Linux 32-bit systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	i86_linux
Package Identifier	i86_linux
Tested Compiler	For x86: • gcc 8.5.0 (RHEL 8.5)*

Item	Description
Notes	• Customers can use any GCC that meets FlexNet Publisher's GLIBC version requirement. • FlexNet Publisher qualifies the default GCC version that comes with the OS. • `lmadmin` is supported using its 32-bit binary. • Multiple Ethernet hostids are supported. • Short-code transactions are supported. • Prepped Trusted Configuration is supported. • Tested virtual machine platforms include: VMware ESXi 7* VMware Workstation 25.0.1* Microsoft Windows Server 2019 Hyper-V* Microsoft Windows Server 2022 Hyper-V* Microsoft Windows 10 Hyper-V* Citrix XenServer 8.3* Oracle Virtual Box 7.2.6* Parallels Desktop 20 for macOS 13.2* everRun 7.9.1* Nutanix AHV (Version 2020.09.16 Community Edition)* QEMU-KVM (Host OS: CentOS 8)* • Hypervisor: qemu-kvm-ev-3.2.0 • Hypervisor Services: libvirt-daemon-kvm-8.0.08 • Virtual Machine Manager: vmm v3.2.0
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.



Note ▪ *The asterisk (*) symbol indicates that the version of operating system or hypervisor is supported but has not been tested in the current release.*

Linux 64-bit

The following table lists information about the Linux 64-bit systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	x64_linux
Package Identifier	x64_linux
Tested Compiler	For x64: • gcc 14.3.1 (RHEL 10.1) • gcc 11.5.0 (RHEL 9.7) • gcc 11.5.0 (RHEL 9.5) • gcc 11.5.0 (RHEL 9.4) • gcc 11.13.1 (RHEL 9.1)* • gcc 11.2.1 (RHEL 9.0)* • gcc 8.5.0 (RHEL 8.9)* • gcc 8.5.0 (RHEL 8.6) • gcc 7.5.0 (SLES 15 SP7)* • gcc 7.5.0 (SLES 15 SP6) • gcc 7.5.0 (SLES 15 SP5)* • gcc 7.5.0 (SLES 15 SP4) • gcc 13.3.0 (Ubuntu 24.04) • gcc 11.4.0 (Ubuntu 22.04) • gcc 14.2.0 (Debian 13)

Item	Description

Notes	• Customers can use any GCC that meets FlexNet Publisher's GLIBC version requirement.
	• `lmadmin` is supported using its 64-bit binary.
	• Multiple Ethernet hostids are supported.
	• Short-code transactions are supported.
	• Prepped Trusted Configuration is supported (x64_linux only).
	• No dongle support on SLES 15
	• Tested virtual machine platforms include:
	VMware ESXi 8
	VMware Workstation 25.0.1
	Microsoft Windows Server 2019 Hyper-V*
	Microsoft Windows Server 2022 Hyper-V
	Microsoft Windows 10 Hyper-V*
	Citrix XenServer 8.3
	Oracle Virtual Box 7.2.6
	Parallels Desktop 20 for macOS 13.2*
	everRun 7.9.1
	Nutanix AHV (Version 2020.09.16 Community Edition)*
	QEMU-KVM (Host OS: CentOS 8)
	  • Hypervisor: qemu-kvm-ev-3.2.0
	  • Hypervisor Services: libvirt-daemon-kvm-8.0.0
	  • Virtual Machine Manager: vmm v3.2.0

Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.



Note ▪ *The asterisk (*) symbol indicates the version of operating system or hypervisor is supported but has not been tested in the current release.*

ARMv8-A (AArch64)

The following table lists information about the ARMv8-A (AArch64) systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	arm64_linux
Package Identifier	arm64_linux
Tested Compiler	• gcc 8.5.0 (RHEL 8.6) • gcc 7.3.1 (SLES 15)*
Notes	• Customers can use any GCC that meets FlexNet Publisher's GLIBC version requirement. • `lmadmin` is not supported in this toolkit • No VM detection or VMID hostid support • No dongle support • No trusted storage support
Toolkit Functionality	Licensing based on license files.
Security Functionality	No support for tamper-resistant applications. The toolkit is labeled as *notr*.



Note ▪ *The asterisk (*) symbol indicates that the version of operating system is supported but has not been tested in the current release.*

macOS/OS X 64-bit

The following table lists information about the macOS/OS 64-bit system tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	• x64_mac
Package Identifier	• universal2_mac11
Tested Compiler	• Xcode 16.0 • Apple clang version 16.0.0 (clang-1600.0.26.3)

Item	Description
Notes	• Multiple Ethernet hostids are not supported. • Short-code transactions are supported. • Prepped Trusted Configuration is supported. • For building requirements, see Requirements for Building the macOS/OS X Licensing Toolkit.
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.

Requirements for Building the macOS/OS X Licensing Toolkit

When building the FlexNet Publisher Licensing Toolkit on macOS/OS X platforms, use an appropriate Apple development environment. The supplied makefiles build a universal Licensing Toolkit that can be used to produce FlexEnabled applications.

macOS ARM 64-bit

The following table lists information about the macOS ARM64-bit system tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	• universal2_mac
Package Identifier	• universal2_mac11
Tested Compiler	• Xcode 14.3 • Xcode 26.0 • Xcode 27.0 • Apple clang version 14.0.3 (clang-1403.0.22.14.1) • Apple clang version 17.0.0 (clang-1700.3.13.4) • Apple clang version 21.0.0 (clang-2100.3.27.1)
Notes	• Prepped Trusted Configuration is supported. • For building requirements, see Requirements for Building the macOS/OS X Licensing Toolkit.
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications.

Requirements for Building the macOS ARM64 Licensing Toolkit

When building the FlexNet Publisher Licensing Toolkit on macOS ARM64 platform, use an appropriate Apple development environment.

Solaris 32-bit

The following table lists information about the Solaris 32-bit systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	• x86_sol (on x86) • sun4_u (on SPARC 32-bit)
Package Identifier	• x86_sol10 (on x86) • sun4_u10 (on SPARC 32-bit)
Tested Compiler	For x86: • cc (Sun C) 5.11 • cc (Sun C) 5.15 For SPARC 32-bit: • cc (Sun C) 5.14 • cc (Sun C) 5.15
Notes	• `lmadmin` is supported in this toolkit. • Synchronous I/O multiplexing, via select, is supported for up to 65,535 file descriptors. • The number of system semaphore arrays can become exhausted. • Shared objects might not run when compiled with gcc on SPARC 32-bit. • Multiple Ethernet hostids are not supported. • Prepped Trusted Configuration is supported.
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.

Solaris 64-bit

The following table lists information about the Solaris 64-bit systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	• x64_sun (on x64) • sun64_u (on SPARC 64-bit)
Package Identifier	• x64_sun10 (on x64) • sun64_u10 (on SPARC 64-bit)
Tested Compiler	For x64: • cc (Sun C) 5.11 • cc (Sun C) 5.15 For SPARC 64-bit: • cc (Sun C) 5.14 • cc (Sun C) 5.15
Notes	• `lmadmin` is supported using its 64-bit binary. While the 32-bit `lmadmin` binary (contained in the x86_sun and sun64_u toolkits) continues to be supported on 64-bit systems, Revenera recommends using the 64-bit binary on 64-bit systems. • Shared objects might not run when compiled with gcc on SPARC 64-bit. • Multiple Ethernet hostids are not supported. • Prepped Trusted Configuration is supported.
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	Support for tamper-resistant applications. The toolkit is labeled as *standard*.

Java Standard Edition

The following table lists information about the Java Standard Edition systems tested with the FlexNet Publisher Licensing Toolkit:

Item	Description
Platform Name	java
Package Identifier	Not applicable

Item	Description
Tested Compiler	• OpenJDK 17 • OpenJDK 21 • OpenJDK 25
Notes	• Implements the FlexNet Licensing for Java client library only. • Requires a C development environment. • Requires tamper-resistant licenses (TRL) to be enabled.
Toolkit Functionality	Licensing based on license files or trusted storage.
Security Functionality	No support for tamper-resistant applications. The toolkit is labeled as *notr*.

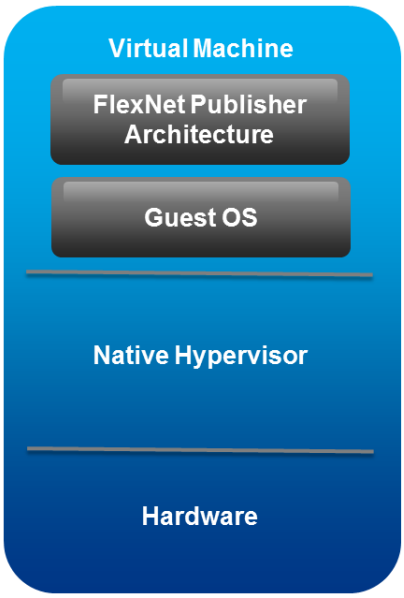
Toolkits That Support Prepped Trusted Configuration

Toolkit platforms that support prepped Trusted Configuration (and therefore server-side local trial ASRs) include the following:

- i86_linux (32-bit Linux)
- x64_linux (64-bit Linux)
- i86_n3 (32-bit Windows)
- x64_n6 (64-bit Windows)
- sun4_u10 (32-bit Solaris SPARC)
- sun64_u10 (64-bit Solaris SPARC)
- x86_sol10 (32-bit Solaris Intel)
- x64_sun10 (64-bit Solaris Intel)
- universal2_mac11 (Universal macOS)

Virtualization

The following picture illustrates how the FlexNet licensing server or a FlexEnabled application operates within a Virtualization stack. The table below the picture lists the Virtualization stacks that have been tested with FlexNet Publisher.


Virtual Machine
FlexNet Publisher Architecture
Guest OS
Native Hypervisor
Hardware

Use the following table to determine the tested Virtualization stacks.

Table 3 ▪ Tested Virtualization Stacks

FlexNet Publisher Architecture	Guest OS	Hypervisor
i86_n, x64_n	Windows 10	VMware ESXi 8*
		Citrix XenServer 8.3*
		VMware Workstation 25.0.1*
		Oracle Virtual Box 7.2.6
		QEMU-KVM*
		PARALLELS*
		everRun 7.9.1
		Microsoft Hyper-V from Windows 10 Enterprise*
		Microsoft Hyper-V from Windows Server 2022*
	Windows 11	VMware ESXi 7*
		VMware ESXi 8
		Citrix XenServer 8.3
		VMware Workstation 25.0.1
		Oracle Virtual Box 7.2.6
		QEMU-KVM
		PARALLELS*
		everRun 7.9.1*
		Microsoft Hyper-V from Windows 10 Enterprise*
		Microsoft Hyper-V from Windows Server 2022

Table 3 ▪ Tested Virtualization Stacks

FlexNet Publisher Architecture	Guest OS	Hypervisor
i86_n, x64_n	Windows Server 2019	VMware ESXi 8*
		Citrix XenServer 8.3
		VMware Workstation 25.0.1*
		Oracle Virtual Box 7.2.6*
		QEMU-KVM
		PARALLELS*
		everRun 7.9.1*
		Microsoft Hyper-V from Windows 10 Enterprise*
		Microsoft Hyper-V from Windows Server 2022*
	Windows Server 2022	VMware ESXi 7*
		VMware ESXi 8*
		Citrix XenServer 8.3*
		VMware Workstation 25.0.1
		Oracle Virtual Box 7.2.6
		QEMU-KVM
		PARALLELS*
		everRun 7.9.1*
		Microsoft Hyper-V from Windows 10 Enterprise*
		Microsoft Hyper-V from Windows Server 2022*
	Windows Server 2025	VMware ESXi 7*
		VMware ESXi 8
		Citrix XenServer 8.3
		VMware Workstation 25.0.1
		Oracle Virtual Box 7.2.6
		QEMU-KVM*
		PARALLELS*
		everRun 7.9.1*
		Microsoft Hyper-V from Windows 10 Enterprise*
		Microsoft Hyper-V from Windows Server 2022

Table 3 ▪ Tested Virtualization Stacks

FlexNet Publisher Architecture	Guest OS	Hypervisor
i86_linux	RHEL 8	VMware ESXi 7* VMware Workstation 25.0.1 Citrix XenServer 8.3* PARALLELS* Oracle Virtual Box 7.2.6* QEMU-KVM* everRun 7.9.1* Microsoft Hyper-V from Windows 10 Enterprise* Microsoft Hyper-V from Windows Server 2022*
x64 _linux	RHEL 8, 9, and 10 SLES 15 SP6 and SLES 15 SP7	VMware ESXi 7* VMware ESXI 8 VMware Workstation 25.0.1 Citrix XenServer 8.3 PARALLELS* Oracle Virtual Box 7.2.6 QEMU-KVM everRun 7.9.1 Microsoft Hyper-V from Windows 10 Enterprise* Microsoft Hyper-V from Windows Server 2022
x64_n6	Windows10	Nutanix AHV (Version 2020.09.16 Community Edition)*
x64_linux, i86_linux	RHEL 8.7 and SLES 15 SP4	Nutanix AHV (Version 2020.09.16 Community Edition)*



Note ▪ *Consider the following information concerning data in the table above:*

- *Supported hostids in guest operating systems are `ETHER` (server and client) and, for all hypervisors other than Hyper-V, `VM_UUID` (server only). See the white paper, "Understanding Virtualization Features in FlexNet Publisher", for more information.*
- *It is a best practice to run license servers on a server-based OS.*
- *For Windows and Linux certificate applications, the FlexNet Licensing Service needs to be installed for VM_UUID hostid to be extracted.*

- *The asterisk (*) symbol indicates that the version of hypervisor is supported but has not been tested in the current release.*

Tested Cloud Environments

Use the following table to determine guest operating systems and hostids that have been tested with FlexNet Publisher in the specified cloud environment.

Table 4 ▪ Tested Cloud Environments

FlexNet Publisher Architecture	Tested OS	Cloud Platform	Host ID
i86_n, x64_n	• Windows Server 2022 • Windows 10	Google Cloud Microsoft Azure	License servers: VM_UUID FlexEnabled clients: ETHER
i86_n, x64_n	Windows Server 2022	Amazon EC2	License servers: VM UUID (previously AMZN_IID) AMZN_EIP FlexEnabled clients: AMZN_IID ETHER
i86_linux, x64_linux	Ubuntu 22.04	Google Cloud	License servers: VM_UUID FlexEnabled clients: AMZN_IID ETHER
i86_linux, x64_linux	Ubuntu 24.04	Microsoft Azure	License servers: VM_UUID FlexEnabled clients: AMZN_IID ETHER

Table 4 ▪ Tested Cloud Environments

FlexNet Publisher Architecture	Tested OS	Cloud Platform	Host ID

i86_linux, x64_linux	RHEL 8	Amazon EC2	License servers:
			`AMZN_EIP` or `VM_UUID`
			FlexEnabled clients:
			`AMZN_IID`
			`ETHER`



Note ▪ *Consider the following information:*

- *Google Cloud, Amazon EC2 and Microsoft Azure can all use VM_UUID. VM_UUID is equivalent to AMZN_IID on EC2, Google Instance ID on Google and SMBIOS UUID on Azure*
- *AMZN_IID is superseded by VM_UUID for server-line hostid, but unlike VM_UUID is supported for feature-line hostid.*
- *For Windows and Linux certificate applications, the FlexNet Licensing Service needs to be installed for cloud hostids (VM_UUID, AMZN_EIP, AMZN_IID) to be extracted.*

System Requirements for lmadmin

The following sections describe tested platforms and requirements for `lmadmin`:

- Tested Platforms
- Additional System Requirements
- Tested Browsers



Note ▪ *The `lmadmin` installers are no longer packaged within FlexNet Publisher kit archives, and must be downloaded separately.*

Tested Platforms

`lmadmin` has been tested on the following platforms.

Table 5 ▪ Tested `lmadmin` Platforms

Platform Architecture	Processor Type	Operating System
Linux 64-bit	x64	RHEL 8 and 9 SLES 15 SP7 and SLES 16 Ubuntu 24.04

Table 5 ▪ Tested `lmadmin` Platforms

Platform Architecture	Processor Type	Operating System
macOS/OS X 64-bit	x64	macOS 15.0 and macOS 26
macOS ARM 64-bit	ARM-64	macOS 15.0, macOS 26, and macOS 27
Microsoft Windows 64-bit	x64	Windows 10 Windows 11 Windows Server 2019 Windows Server 2022 Windows Server 2025 It is a best practice to run license servers on a server-based OS.
Solaris 64-bit	SPARC 64-bit x86-x64	Solaris 11



Note ▪ *The FlexNet Publisher Licensing Toolkits for 64-bit platforms supply 64-bit `lmadmin` binaries. Revenera recommends their use on 64-bit platforms. Separate 32-bit `lmadmin` installers and binary archives are also available and can be used on 64-bit platforms if necessary.*

Additional System Requirements

`lmadmin` has these additional requirements:

- To use `lmadmin` on Windows platforms, the relevant Microsoft Visual C++ 2015-2022 Redistributable Package 14.31.31103 must be installed.
- The `lmadmin` installer requires that JRE 17 or later (for macOS/OS X: JRE 11 or later) is installed. If the JRE is not already present on the machine, it must be installed separately, because it is not bundled with the `lmadmin` installer.
- The OpenJDK 21.0.10 and OpenJDK 25.0.2 are tested Java Standard Edition systems for installing the lmadmin.

Tested Browsers

`lmadmin` is tested on the following Web browsers:

- **Red Hat Linux**—Mozilla Firefox 131.x, Google Chrome 153.x
- **Windows**—Microsoft Edge
- **macOS/OS X**—Apple Safari



Note ▪ *The `lmadmin` is supported on the macOS/OS X platform but has not been tested on the corresponding Apple Safari browser in the current release.*

Deprecated Features and Commands

The following table lists deprecated features and commands.

Table 6 ▪ Deprecated Features and Commands

Deprecated Features and Commands	Comments
Console mode on `lmadmin` installation on macOS/OS X	On macOS/OS X, the `lmadmin` installer no longer supports Console mode.
Non-multithreaded libraries	The following UNIX client libraries used with applications that do not use native multithreaded libraries have been deprecated: • `liblmgr_nomt_pic.a` • `liblmgr_nomt_pic_trl.a` • `liblmgr_nomt.a` • `liblmgr_nomt_trl.a`
License Generator toolkit	License Generator toolkit is end-of-life. Instead, the responsegen shared object API has been exposed; see the example `.\examples\activation\responsegen\ResponseGenApi.c`.
AMZN_IID, HPV_UUID, VMW_UUID	Replaced by VM_UUID
lmbind & LMB_* hostids	lmbind is no longer packaged with FlexNet Publisher archives. lmbind sections have been removed from documentation
VMW_* and HPV_* hostids	It is better to have a hostid that is effective in both physical and virtual systems. As an example, we would recommend ETHER instead of VMW_ETHER (on VMware guests) or HPV_ETHER (on Hyper-V guests)
Non trial-id trial ASRs	ASRs which do not use a trial-id are subject to an issue where deleting trusted storage means no further (non trial-id) ASRs can be loaded. Trial-id ASRs were invented to solve this issue.

Table 6 ▪ Deprecated Features and Commands

Deprecated Features and Commands	Comments
License keys and default strength signatures	License keys have been documented as obsolete for several years. Signatures of type LM_STRENGTH_LICENSE_KEY and LM_STRENGTH_LICENSE_DEFAULT are easily cracked. Revenera strongly recommends that new license files use TRL-strength signatures and that updated clients link with the 'trl-only' (lmgr_trl.lib) library.
Decimal licenses and lc_convert API	Decimal licenses are deprecated. Consequently sections on decimal licenses and the **lc_convert** API have been removed from documentation.
Trusted Storage on AIX	Trusted storage is no longer supported on AIX.
Three-Server Redundancy	Three-server redundancy is supported with license file–based licensing only. It is not supported with trusted storage–based licensing.

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