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FlexNet License Server Guide

Requirements, Deployment & Migration

PHM Technology Pty Ltd

June 2026

Customer Deployment Guide

MADE FlexNet License Server

Requirements, deployment, and migration guide

PHM Technology Pty Ltd | support@phmtechnology.com.au | June 2026

1. Introduction

This guide describes how to deploy and operate the MADE floating license server using FlexNet Publisher (FlexNet). It covers server requirements, network configuration, client reconfiguration, and migration from the previous Zentitle-based license service.

PHM Technology provides the MADE-specific license file, vendor daemon, and license manager installer as part of your support entitlement. There are no additional FlexNet licensing fees payable by you for this arrangement.

For general MADE product support, contact support@phmtechnology.com.au (Monday to Friday, 9:00 am to 6:00 pm AEST/AEDT, with after-hours support available on request).

2. License server options

You may host MADE licenses using either of the following FlexNet approaches.

2.1 FlexNet Publisher License Server Manager (Imadmin), recommended

PHM Technology supplies **Imadmin-x64_n6-11_19_6_0.exe** (FlexNet Publisher 11.19.6, 64-bit). This is the current recommended license manager for new deployments and migrations.

Download (provided by PHMT):

https://phmt-assets.s3.us-west-1.amazonaws.com/License/Tools/Imadmin-x64_n6-11_19_6_0.exe

Reverera documents supported platforms for the EXE-based license server manager here:

https://docs.reverera.com/fne/2026_05/flsmguide/Content/helplibrary/exerequirements.htm

Additional Imadmin installation requirements (Java, Visual C++ redistributable) are documented by Reverera here:

https://docs.reverera.com/fnp/2025r1/LicAdmin_Guide/Content/helplibrary/System_Requirements_for_Imadmin.htm

2.2 Legacy FlexNet License Manager (LMTools / Imgrd)

If your organisation already operates a FlexNet license server using LMTools or Imgrd, you may add the MADE license file and PHMT13 vendor daemon to that existing service rather than deploying a dedicated Imadmin host.

Component	Download
LMTools	phmt-assets.s3.amazonaws.com/License/Tools/lmtools.exe
lmgrd	phmt-assets.s3.amazonaws.com/License/Tools/lmgrd.exe
PHMT13 vendor daemon	phmt-assets.s3.amazonaws.com/License/Daemon/PHMT13.exe
MADE server license file	Provided by PHM Technology for your environment

3. Supported operating systems

3.1 Imadmin (recommended path)

The Imadmin installer is supported on 64-bit Windows desktop and server platforms. Per Revenaera documentation, supported versions include Windows 10, Windows 11, Windows Server 2019, and Windows Server 2022.

PHM Technology has validated MADE FlexNet licensing on Windows Server versions up to 2022. Windows Server 2025 is not supported for Imadmin in our environment. If you must use Windows Server 2025, use the legacy LMTools/Imgrd path (section 2.2) instead.

3.2 LMTools / Imgrd (legacy path)

The legacy license manager is Windows-based and is generally suitable on current Windows Server releases, including environments where Imadmin is not appropriate.

4. Software requirements

4.1 Imadmin 11.19.6 (64-bit)

The Imadmin installer does not include a bundled Java runtime. Per Revenaera, a JRE 11 or later must already be present on the server before installation. If it is not installed, you must install it separately.

Revenaera has tested JDK 11.0.20, JDK 17.0.8, and OpenJDK 20.0.2 for Imadmin installation. The older 32-bit Imadmin releases (referenced in legacy PHMT guides) required a separate Java 8 32-bit install. That requirement does not apply to the 64-bit 11.19.6 package we now supply.

The Microsoft Visual C++ Redistributable required by Imadmin may be installed during the Imadmin setup wizard if prompted.

Other PHMT-supplied components:

- PHMT13.exe vendor daemon (placed in the Imadmin daemon directory or LMTools service folder)
- MADE server license file (imported into Imadmin or referenced by LMTools)

Run Imadmin as a Windows service and configure it to start automatically at boot.

4.2 LMTools / Imgrd

- Imgrd.exe and LMTools (PHMT download links above)
- PHMT13.exe vendor daemon
- MADE server license file
- No separate Java installation is required for the legacy Imgrd service

5. Network and firewall requirements

MADE client workstations must reach the license server over your internal network (or VPN, if applicable).

5.1 Ports required for MADE licensing

Port	Protocol	Required	Purpose
27000	TCP	Yes	FlexNet License Manager (default client connection port)
55005	TCP	Yes	PHMT13 vendor daemon (configured after license import in Imadmin)
8090	TCP	Optional	Imadmin web administration console. Only required if administrators will access the console from other machines on the network. If you manage the server via Remote Desktop, you may use http://localhost:8090 on the server itself without opening this port externally.
3389	TCP	As needed	Remote Desktop, if the server is administered remotely (cloud or datacentre)

Configure Windows Firewall and any upstream firewalls or security groups to permit inbound TCP on ports 27000 and 55005 from MADE client subnets. Restrict source IP ranges according to your IT security policy.

5.2 Client-side environment variable (optional)

For bulk client deployment, MADE recognises the system or user environment variable `PHMT13_LICENSE_FILE`.

Format: `port@hostname` (example: `27000@licenseserver.company.local`). Multiple servers may be comma-separated. If the port is omitted, MADE uses the FlexNet default (27000).

6. Recommended specifications (production)

The FlexNet Imadmin service is lightweight. A dedicated license server does not require significant compute resources. For a standalone host, modest sizing is sufficient, for example:

- CPU: 1 vCPU (equivalent to a small cloud instance such as AWS t2.micro)
- RAM: 1 to 2 GB
- Storage: 30 GB or per your IT standard

If you add MADE licensing to an existing LMTools/Imgrd host, no additional hardware is typically required.

7. Imadmin installation overview

The following summarises the Imadmin setup after installing Imadmin-x64_n6-11_19_6_0.exe. Detailed screenshots are available in the PHMT deployment pack on request.

1. Install Imadmin to your chosen directory. Accept defaults for server ports unless your environment requires otherwise, and note any non-default values.
2. Configure Imadmin to run as a Windows service.
3. Create `daemon\MADE` under the Imadmin installation directory and place PHMT13.exe there.
4. Create `licenses\MADE` and place a copy of the MADE server license file there.
5. Open the web console. When working on the server via Remote Desktop, browse to `http://localhost:8090`. Default credentials are admin / admin; change the password on first login.
6. Import the license file under Vendor Daemon Configuration.
7. Stop the vendor daemon, set Vendor Daemon Port to 55005, save, and start the daemon.
8. On the Dashboard, confirm concurrent MADE licenses are listed and available.

If the Imadmin GUI installer fails on Windows Server 2019 or later, run the installer from an elevated command prompt:

```
.\lmadmin-x64_n6-11_19_6_0.exe -i GUI
```

If installation fails due to Java detection, specify the JRE explicitly:

```
.\lmadmin-x64_n6-11_19_6_0.exe LAX_VM "C:\Program Files\Java\jdk-17\bin\java.exe"
```

8. LMTools configuration overview

If using the legacy path:

1. Open LMTools and select Configuration using Services.
2. Create a new service (for example, MADE License Service) on the Config Services tab.

3. Set paths to Imgrd.exe, the MADE server license file, and a debug log file (for example, MADE_license.log).
4. Place PHMT13.exe in the service folder alongside Imgrd.
5. Enable Use Services and Start Server at Power Up, then save the service.
6. On Start/Stop/Reread, start the server.
7. On Server Status, run Perform Status Enquiry. A successful response lists MADE features (MADE, MADE-RAM, MADE-SRA, MADE-PHM) as present and available.

9. Migration from Zentitle to FlexNet

9.1 Server decommission

1. PHM Technology will decommission the license code on our side once the existing Zentitle entitlement has expired in full.
2. Shut down the Zentitle license daemon service on your server.
3. Remove and decommission the Zentitle license server VM or instance according to your IT procedures.

9.2 Deploy the FlexNet license server

Install and configure lmadmin (section 7) or extend your existing LMTools/lmgrd service (section 8). PHM Technology will provide the MADE server license file and PHMT13 daemon for your environment.

9.3 Re-point MADE client installations

Choose one approach per workstation, or deploy centrally across many users.

Option A: License Wizard (interactive, per user)

1. Launch MADE and open the License Wizard.
2. Select Legacy licensing (FlexNet).
3. Choose License Server.
4. Enter the license server hostname or IP address and port (default 27000 unless customised).
5. Complete the wizard and confirm validation succeeds.

Option B: Environment variable (recommended for system administrators)

1. Set the Windows user or system environment variable PHMT13_LICENSE_FILE to port@hostname (for example, 27000@your-license-server.company.local).
2. Deploy via Group Policy, SCCM, remote batch script, or PowerShell across client machines.
3. On the next MADE launch, the application detects the variable automatically and uses the FlexNet license server without manual wizard steps.

PHM Technology can provide example deployment scripts on request.

10. Post-migration validation

10.1 License server

LMTools: Start the service, open Server Status, and run Perform Status Enquiry. Confirm MADE licensed features are present and available.

lmadmin: Open the web console, go to Dashboard, then Concurrent licenses, and confirm seat counts match your entitlement.

10.2 MADE clients

- Launch MADE on a representative sample of workstations and confirm the application starts without licensing errors.
- Verify a license is checked out successfully.
- Test from different network segments (and VDI, if used) to confirm firewall and DNS connectivity.
- If validation fails, capture the FlexNet debug log (for example, MADE_license.log for LMTools) and contact support@phmtechnology.com.au.

11. Licensing costs (FlexNet migration path)

There are no additional costs or licensing fees to you for using the FlexNet license server path. PHM Technology provides all required software, license files, vendor daemon, and deployment support as part of your MADE entitlement and PHMT support arrangement. You are not required to procure FlexNet Publisher separately from Revenera for MADE licensing.

12. Support contacts

Purpose	Contact
IT / licensing technical support	support@phmtechnology.com.au
Engineering support	engineering@phmtechnology.com
General feedback	feedback@phmtechnology.com

PHM Technology aims to respond within two business days and can arrange a teleconference if needed.