



# **License Server Installation Guide**

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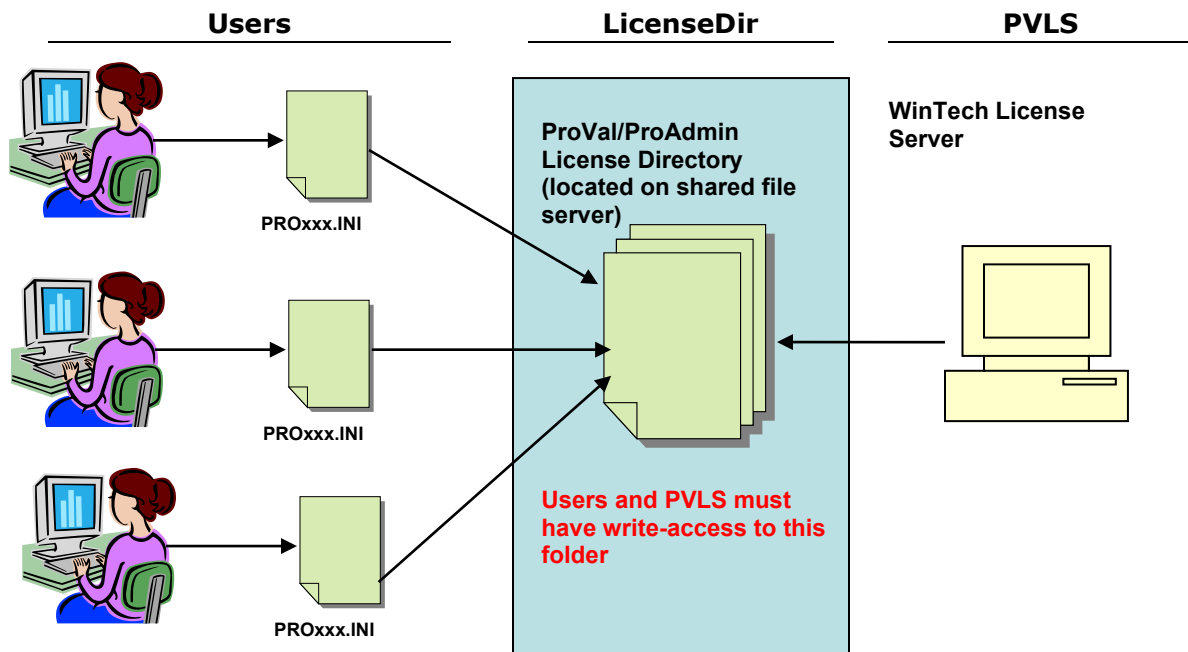
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# Overview

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The WinTech License Server (PVLS) brokers software licenses to users. PVLS allows any number of users to share a given number of licenses as long as it is not at the same time. PVLS keeps track of the number and type of licenses that are available as users check out licenses and check them back in.

## How it Works



All users have an applicable file (i.e., `PROVAL.INI` or `PROADMIN.INI`) that stores their individual configuration settings. One of these settings, *LicenseDir*, points to a folder which contains files that are written to by both users and PVLS. Therefore, it is mandatory for all users and the License Server to have write access to the *LicenseDir* folder.

# **Pre-Installation Procedure**

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## ***License Server Operating Modes***

The WinTech License Server may be run as a Windows Service or as a Windows Application

- Running the License Server as a Windows Service typically offers greater security since there is no need to remain logged in to the system during operation.

## ***License Server Checklist***

Before you begin setting up your license server, you must have:

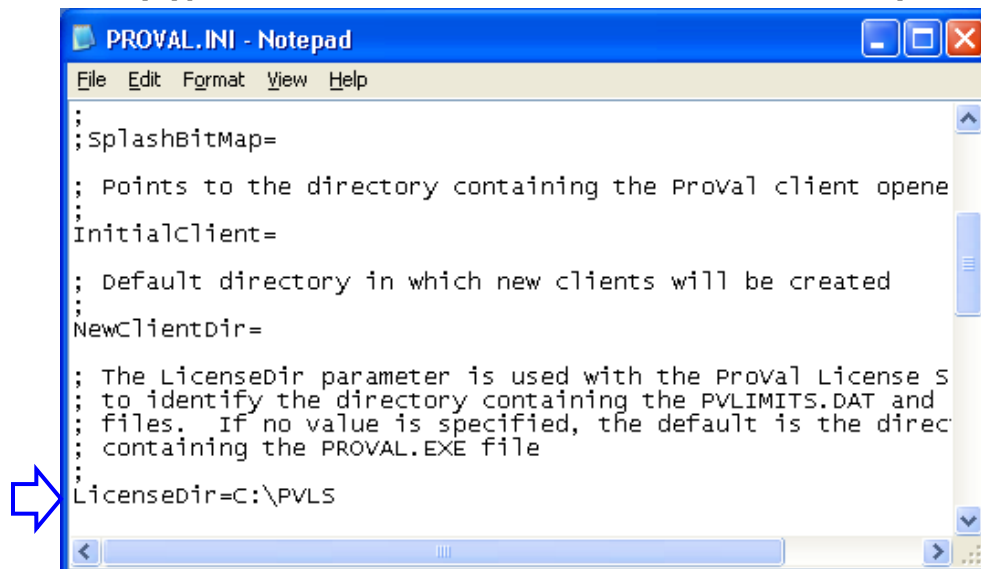
- A machine that is to be designated the license server. Refer to Appendix A for system requirements.
- License data (typically comprising eight rows and four columns of numbers) provided by WinTech. This license data updates the number of licenses, types of licenses and expiration date and is required for the PVLS to function.
- Software authentication key (installation instructions provided separately).

# Installing as a Windows Service or Application

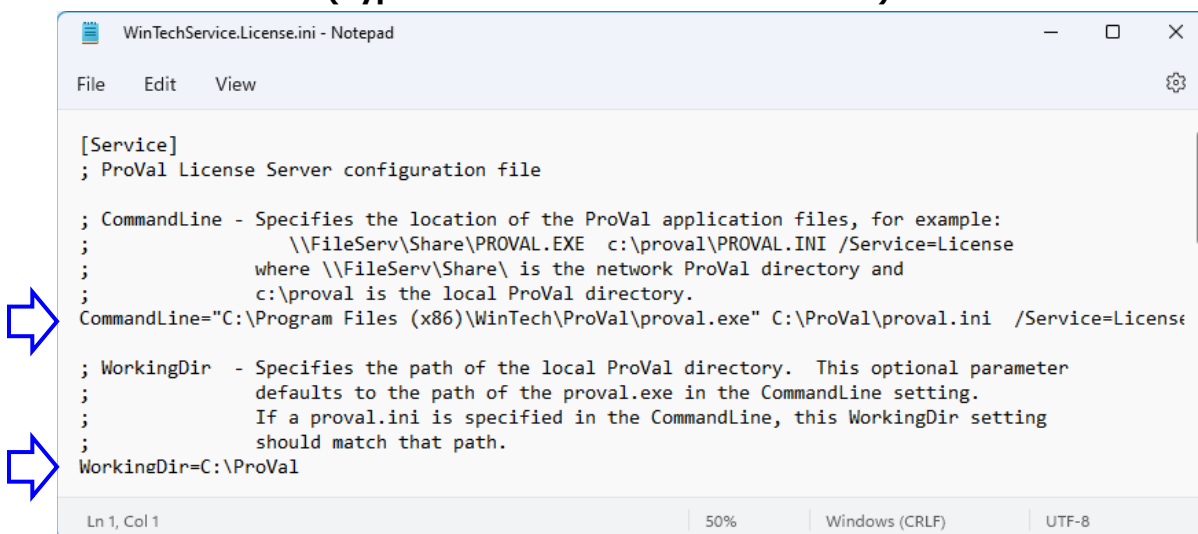
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1. **Install ProVal or ProAdmin on the PVLS machine:** Follow the installation instructions (readme.doc) to install software on the designated PVLS machine.
  - a) Create a working directory (typically, this would be C:\PROVAL or C:\PROADMIN).
  - b) Copy the following files from the installation folder into the working directory (from Step a):
    - WinTechService.exe
    - WinTechService.License.ini
    - Applicable .ini file (ProVal.ini or ProAdmin.ini)
    - LicenseUnreg.bat
    - LicenseReg.bat
2. **Define the License Server data file directory (LicenseDir):** Create a folder either located physically on the license server or on a common file server to store the Server data files (e.g., C:\PVLS). All users, as well as the license server account, MUST have write access to this folder. This folder is known as LicenseDir. WinTech recommends that the LicenseDir folder NOT be the same as the application folder.
3. **Edit the following parameter in the applicable .ini file (PROVAL.INI or PROADMIN.INI):**
  - **Update the LicenseDir setting** to point to the License Server data file folder defined in Step 2 above.

**NOTE:** Use UNC (i.e., of the form \\server\share\) to refer to network paths when installing as a Service – mapped drives are not acceptable.

**(Typical PROVAL.INI or PROADMIN.INI for installs)****4. Edit the following parameters in the WinTechService.License.ini file:**

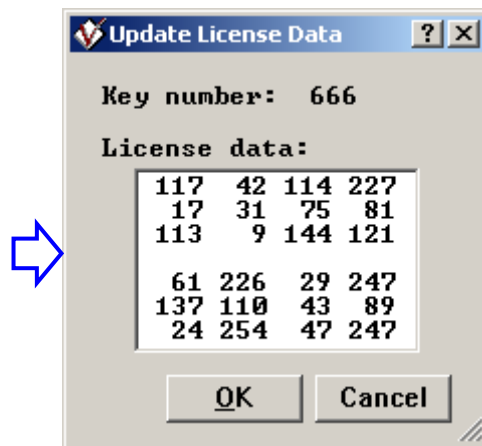
- **CommandLine:** The first parameter should have a fully qualified path to the applicable .exe file (i.e., PROVAL.EXE or PROADMIN.EXE) within the installation folder and the second parameter must have a fully qualified path to the applicable .ini file (i.e., PROVAL.INI or PROADMIN.INI).
- **WorkingDir:** This must be set to the directory containing the local .ini file (refer to step #1).
- The rest of the settings should not be touched in ordinary circumstances.

**(Typical WinTechService.License.INI)**

## ***Preparing the License Server Data Files***

**Install the software authentication key:** At this point, install the software authentication key (installation instructions provided separately). Inspect the server carefully and remove any attached WinTech key(s).

1. Start ProVal or ProAdmin and navigate to *File* → *License Manager*. Click the “Limits” button and then the “Update” button. Enter the supplied license data codes as shown below (you will receive this in the cover letter via e-mail).



2. Click OK and exit application.

## ***Registering and Starting the License Server***

Up to this point all setup has been identical whether PVLS was to be run as a Windows Service or an Application. The following steps will now vary based on running as a Service or Application.

### **Registering the License Server**

The License Server must first be registered. The LicenseReg.Bat script performs this registration function. The contents of this file are quite simple. By default, it looks like:

```
WinTechService.exe License /Reg
```



The value following the /, in this case /Reg, determines whether PVLS will be registered as an application, a Service or both. The possible values are:

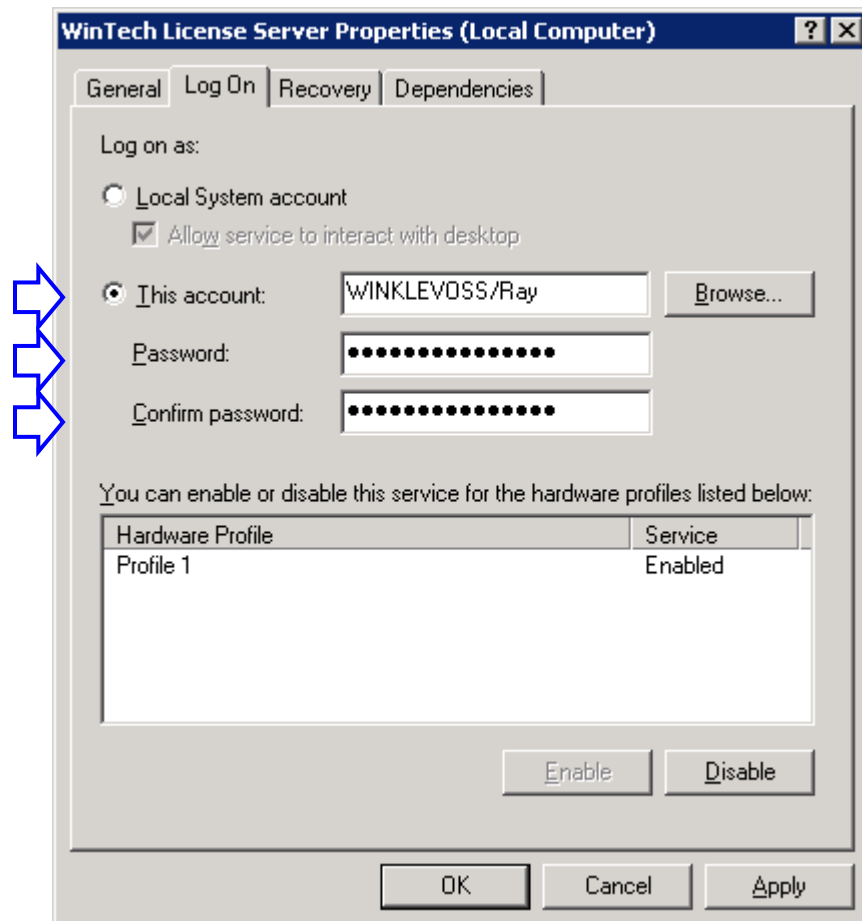
/Reg	registers both
/RegServ	registers only the Service
/RegApp	registers only the Application

**NOTE:** This registers, but does not start, the License Server.

**NOTE:** If you do not see a popup confirming the registration you will need to run the LicenseReg.bat file using an administrator command prompt.

### **Running PVLS as a Service**

1. In most cases, you will need to configure the Service to use a log on that has write access to the LicenseDir folder. Select the "Log On" tab and modify the "Log on as" setting with a fully-qualified username and password as shown below:

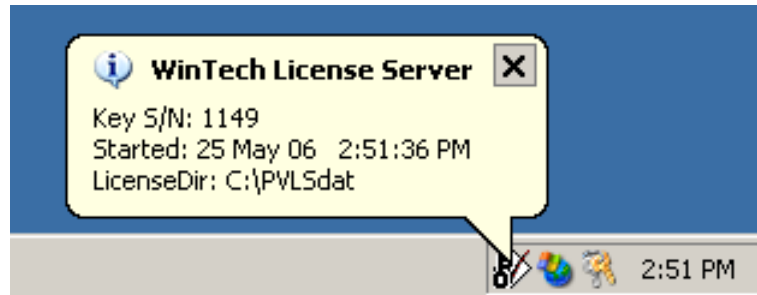


2. To start the Service, select the "General" tab and click the "Start" button. Check the Microsoft Windows Event Viewer to ensure that the service is functional.

**NOTE:** Noteworthy events and handy troubleshooting information for the Service may be viewed in the Windows Event Viewer under the Application Log.

### **Running PVLS as an Application**

To start the License Server (as an Application), click *Start → Programs → WinTech → License Server → Start License Server*. If everything has been installed correctly, you should see the ProVal License Server icon on the system tray, with an information balloon reporting license server details as shown:



**NOTE:** You may put the Start License Server entry into the StartUp folder, if you wish to ensure that the License Server automatically starts every time a user logs in.

## ***Uninstalling the License Server System***

Follow the following steps to uninstall the WinTech License Server:

1. Ensure that all workstations are disconnected from the License Server.
2. Locate the working directory, (e.g., C:\PROVAL or C:\PROADMIN). Run the "LicenseUnreg.bat" by double-clicking on it.
3. This will uninstall the WinTech License Server regardless of whether the PVLS was set up as a Service or an Application.

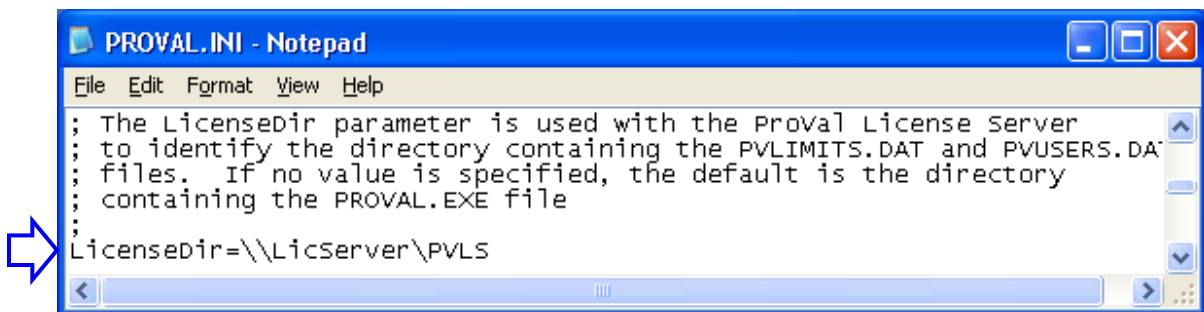
# Workstation Configuration

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1. **If it has not been done already, install the applicable software (ProVal or ProAdmin) on the workstation:** Follow the installation instructions (readme.doc) to install software.
2. If it is not already created, create a share to the License Data folder (PVLS).

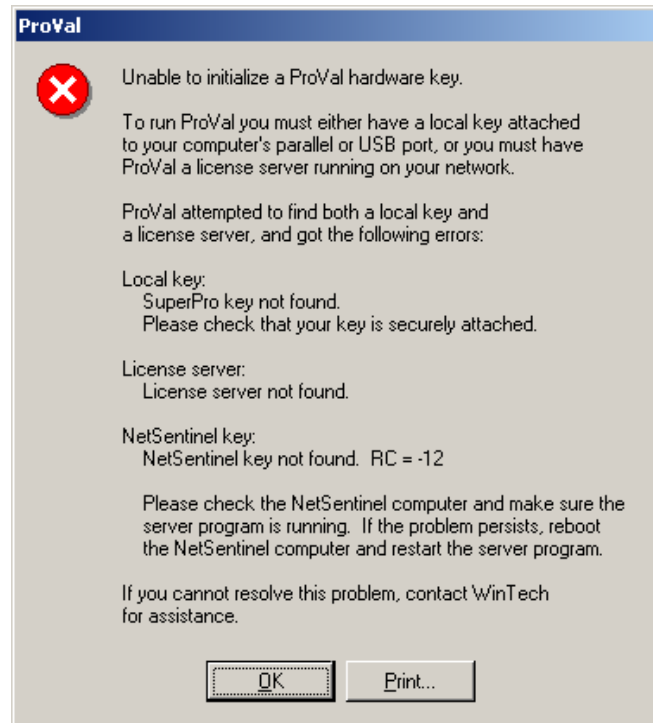
**NOTE:** All users must have write-access permissions to this License Data folder.

3. In the applicable .ini file (i.e., PROVAL.INI or PROADMIN.INI) for EACH workstation, set the **LicenseDir** with the License Data Folder share as shown below.

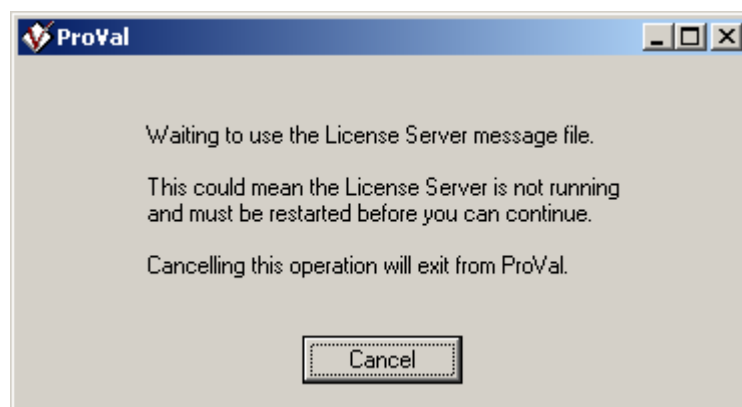


## ***License Server Unavailability***

Workstations can detect whether the License Server is available or not. If no sources for WinTech licenses are detected at startup, users will see this message:



If the presence of a license server has been established, a license has been checked out and subsequently, the license server becomes unavailable, users may receive the following message.



## Appendix A: License Server System Requirements

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### *Minimum Requirements*

<b>Operating System</b>	Microsoft Windows Server 2019 Family. Microsoft Windows Server 2022 Family. Microsoft Windows Server 2025 Family.  <b>NOTES:</b> ProVal does not work on Mac OS®, UNIX® or Linux. Compatible with 64-bit OS, running as 32-bit application.
<b>Processor (CPU)</b>	Modern Intel or AMD x64 multi-core processor at 2 GHz (or higher).
<b>Memory (RAM)</b>	1GB (minimum) to 1.5GB (recommended)
<b>Disk Space</b>	750 MB (for ProVal program files)
<b>Additional Components</b>	Microsoft Visual C++ 2015 Redistributable x86 and x64 (or later)