

Installing League Administration Software Multi-User Edition on a Network

League Administration Software is designed so that when it has a multi-user license registered, then multiple users can concurrently share a single database across a network. As with any network software, installation can be complicated to someone who is not familiar with Windows networking, so we recommend you have a network professional aid you with installation if you aren't comfortable with these instructions.

Windows Vista and Windows 7 Notes:

- We do NOT support using ANY “Home” edition of Windows as the network server. This includes Windows Vista Home Basic and Windows Vista Home Premium, Windows 7 Starter, Windows 7 Home Basic and Home Premium.
- On a Windows Vista or Windows 7 computer, all Network Shares are not accessible during installation by default. This is important since LAS Network Edition always uses a Network Share to connect the client computers to the primary database folder, and if the Network Share is not accessible, then you cannot select the proper data folder during installation.

There are two ways to resolve this issue:

1) Use the Command Prompt:

1. Launch an "elevated" command prompt
 - Click the Start button
 - Type “CMD”
 - Right-click the icon that appears saying “CMD Shell”
 - Select “Run as Administrator” from the pop-up menu
 - Answer any confirmation dialogs that appear
2. Use "NET USE" to map the drive that will store the LAS data, and which will normally already be mapped for a standard user.
3. Launch the LAS installer using that command prompt. This will ensure that the mapped drive is available to the install wizard.

2) Adjust how Mapped Drives are Shared

Follow the instructions in the Microsoft Knowledge Base Article KB937624 (<http://support.microsoft.com/kb/937624>) to add the DWORD registry value

"**EnableLinkedConnections**" with a value of 1, to the registry key:

"HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System"

Don't forget to reboot after making this change!

Requirements for Clients:

- Each client computer must be a Windows based PC that meets the requirements to run LAS.
- Each client must have “Drive Letter Access” to the network share that will hold the LAS database. While some customers have reported that they can use LAS with the data folder on a UNC path, this is not thoroughly tested and is officially not supported.
(note that if you are using a Windows Domain, this drive mapping will have to be made on a per-user basis, instead of for the client computer)
- The same version LAS Client software must be installed on each and every client computer.
- **Do NOT mix client computers running different major versions of LAS.**
The databases are NOT compatible.

For example, don't run some clients with version 17.06 and others with version 18.08.

(On the other hand, there is usually no problem with mixing minor versions such as v18.08 and v18.09)

Follow the upgrade instructions located at the end of this document if you are currently running an older version of LAS on the network and are upgrading to the latest major version.

Requirements for the Server:

- The server can be running a dedicated file server Operating System (such as Windows Server, or a UNIX/Linux server running Samba), or can be a peer on the network (such as Windows 2000/XP Professional). In fact, the server itself can have the LAS client software installed on it, and can be used for accessing the LAS data.
- We do NOT support using ANY “Home” edition of Windows as the network server.
This includes Windows Vista Home Basic and Windows Vista Home Premium, Windows 7 Starter, Windows 7 Home Basic and Home Premium.
- If you use Windows 7 as your file server, you MUST fully disable the “Home Groups” feature because it is incompatible with the way that LAS must access the network shares.
- Windows Vista Business and Ultimate both contain all the necessary networking tools to be reasonably capable as your LAS file server. However, Vista is deliberately designed to be more “secure” by restricting what kind of access it offers across the network. Configuring Vista as a file server is beyond the scope of this document.
- The server must make at least one “share” available such that each client has Read/Write access to it.
(note that if you are using a Windows Domain, these permissions must be set on a per-user basis, instead of setting the permissions on the "share" itself.)

Notes on this Documentation:

- Terms that refer to a specific entity (computer, filing system folder, network share name, etc) are emphasized *like this* to make it clear the words are referring to that specific entity and are not simply descriptive.

Installation Steps:

- **Identify which computers** will be *LAS client computers*.
- **Decide which drive letter** will be used on the *LAS client computers* to access the data. It makes things much less confusing if all the clients use the same drive letter.
- **Select a single computer** to be the *LAS data server*.
(If you have a dedicated server, this would be a good computer to select!)
- **Select a location** on the *LAS data server* to be the *shared LAS data directory*. Perhaps "C:\UserData\LASDATA"
- **Create a share** (or identify one that exists already) that contains the *shared LAS data directory* and make sure that the *LAS client computers* will have these permissions in the *shared data directory* when using that share:
 - Create, Read, Write and Delete Files
 - List Files
 - Create Folder/Directory

To create a share in Windows XP Professional on a small network:

- Click Start --> My Computer
- Double Click "Local Disk C:"
- Click "Show the contents of this folder"
- In "File and Folder Tasks" (on the left) click "Make a New Folder". Name the new folder "UserData"
- Right click the "UserData" folder and select "Sharing and Security"
- If there is a link called "Network Setup Wizard", click that link. Follow through the wizard, and make note of what you put (or what was in) the field called "Computer Name" (perhaps "LASSERVER") on the "Give this computer a description and a name" step of the wizard.
- Once you are done with the wizard, and have restarted the computer, you will have a checkbox called "Share this folder on the network" in the dialog that appears when you right click "UserData" and select "Sharing and Security". Make that checkbox checked, leave the share name as "UserData", and make sure that "Allow network users to change my files" is checked, too. Click "OK"
- Open up the "UserData" folder, and create a folder inside it called "LASDATA". This is the *shared LAS data directory* and can be referred to in UNC as "\\servername\sharename" So, given the servername and sharename we used in the previous steps, our example's UNC share would be "\\LASSERVER\UserData"

- **Download the *LAS Network Installer*:**

You can find this file at the bottom of the page on our website that has these instructions on it: http://www.allamericansportsware.com/ftp/las/las_network.htm

Save the downloaded file in the *shared LAS data directory*

(c:\UserData\LASDATA in our example)

For your Information:

When running the *LAS Network Installer*, you will be given a choice between three "Setup Types".

Here is the essential meaning of each choice:

- **Primary Database** -- Put the standard Menu files, etc, into the data directory that is selected during setup.
 - **Network Client** -- Install the application, create the menu shortcuts, and make the LAS application start using the specified data directory.
 - **Standard Installation** -- Do both of the above two setup types simultaneously.
- **Initialize the *shared LAS data directory*:**
 - Still on the *LAS data server* computer, run the *LAS Network Installer* that you just downloaded.
 - When you get to the step "Database Folder" select your *shared LAS data directory* (c:\UserData\LASDATA in our example)
 - When you get to the step "Setup Type" select "Primary Database" (or, if you want to be able to run the LAS application on the *LAS data server* computer, select "Standard Installation")
 - Finally, Click "Finish". The LAS Database will be initialized in your *shared LAS data directory* (c:\UserData\LASDATA in our example)
 - **Connect the *LAS Client Computers* to the "LAS data server":**
 - If you created a "Network Setup Wizard Disk" in the Windows XP Network Setup Wizard, you can use this to configure all the *LAS Client Computers* to properly access the network.
 - On each *LAS Client Computer*, connect a drive to the *shared LAS data directory* (These steps are practically identical on all versions of Windows)
 - Open "My Computer"
 - Select "Tools --> Map Network Drive" in the "My Computer" window menu. (on some versions of Windows 98, you have to right-click "Network Neighborhood" and then select "Map Network Drive")
 - Select the same "Drive" letter on each computer. For this example, we'll use "L:"
 - Enter the UNC name for the *shared LAS data directory* in the field called "Folder" (Or, click the "Browse" button and browse to the *shared LAS data directory*)
 - Make sure that "Reconnect at logon" is checked
 - Click "Finish" to make the connection.

- **Install the LAS Client application on each of the *LAS Client Computers*:**
 - Click "Start-->Run"
 - Type "L:\LASDATA\setup_las16.exe"
(using the drive letter and *shared LAS data directory* that was selected above) and click "OK"
 - Follow through the Setup Wizard. You will have to enter the LAS Network Edition Registration Key on each client computer.
 - When you get to the step "Database Folder" select your *shared LAS data directory* on the **network drive**:
(L:\UserData\LASDATA in our example)
 - When you get to the step "Setup Type" select "Network Client"
 - Finally, Click "Finish". The LAS client application will be installed, and the database directory will point to your *shared LAS data directory*.

Each of your clients should now be ready to access the shared database on the server using the shortcuts in their start menus!

Upgrading to the latest major version of LAS

Do NOT mix client computers running different major versions of LAS...
The databases are NOT compatible.

Follow these steps to upgrade the major version of LAS:

1. First, **Backup Your Data!**
2. Follow the “**Initialize the *shared LAS data directory***” instructions above, which will install the latest menu and system files into the primary database.
3. Follow the “**Connect the *LAS Client Computers* to the "LAS data server"'**” instructions above to upgrade **each** client computer.
4. After installing LAS v16 on EVERY client computer, launch LAS on one of the clients. The first time LAS runs on the *shared LAS data directory*, it will convert the database to the v16 format. (If you installed the LAS client software on the server, that will likely be the fastest place to accomplish this conversion, and therefore it is best to launch LAS on the server for the first time after the upgrade, before you run it on any client computer.)

Reminder: Do NOT allow any client that still is running the older version of LAS to access this converted/upgraded LAS database. Doing so may result in unrecoverable loss of data.