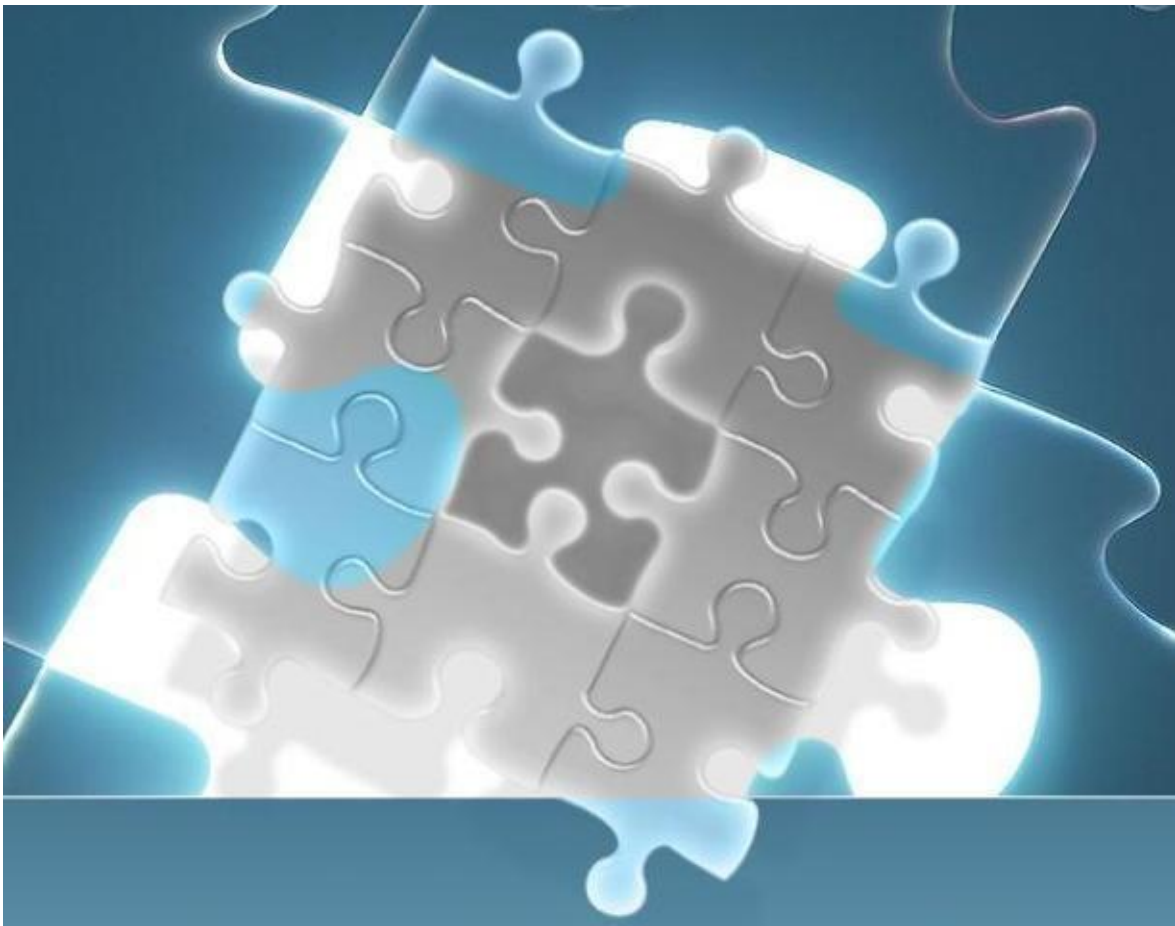




## Application Note

# Installation of LAMUM on Windows Server, License key and Windows Services

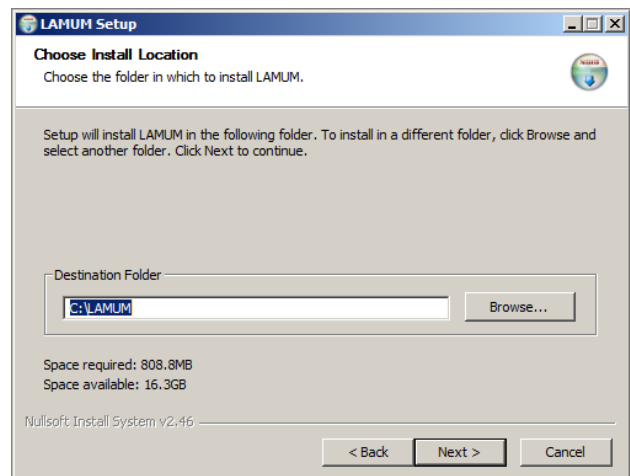


## Installing LAMUM

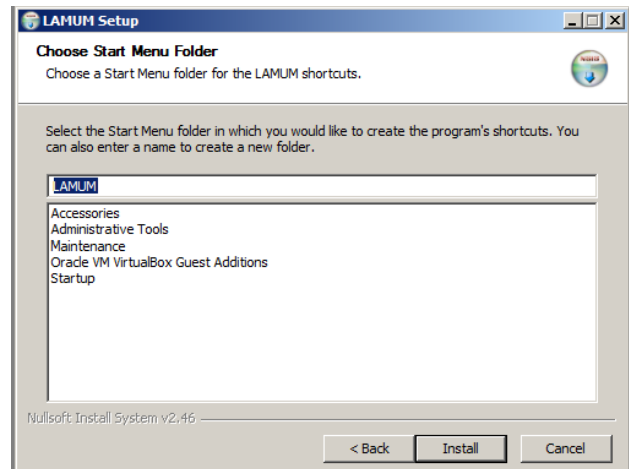
1. Download the desired installation file from the TeamEDA FTP Site.
2. Run the downloaded file: LAMUM-[version number]-[date].exe
3. The Installation application should walk you through the steps needed to correctly install LAMUM. On the first screen, verify that all other applications are closed and click “Next”



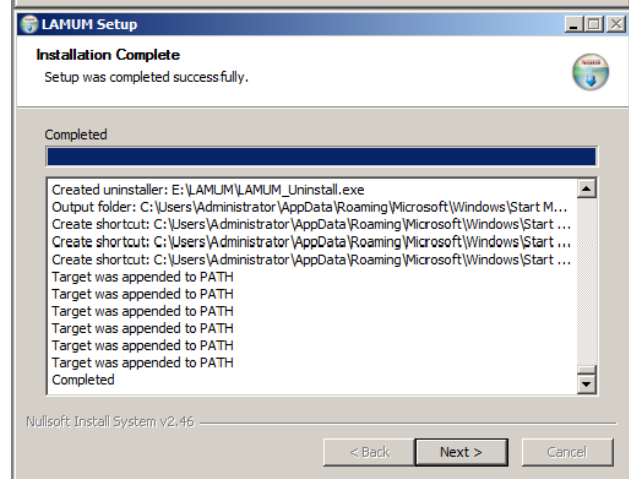
4. Next, choose the installation directory for LAMUM. We recommend choosing a location that is easily accessible and on the root of the chosen drive (i.e. C:\LAMUM). Please take into consideration the possible future size of the database files. Estimate 1-2GB of data per year. After choosing the location, click “Next”.



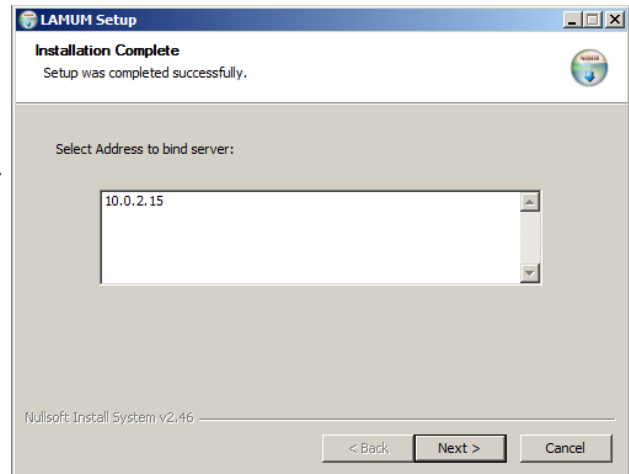
5. This screen allows you to choose the location in the “Start Menu” for the shortcuts to the LAMUM functions. Default is set to “LAMUM”. Clicking “Next” starts the installation of the actual files needed to run LAMUM.



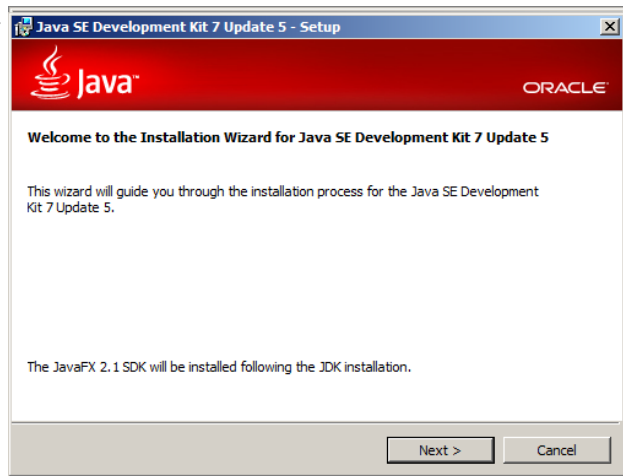
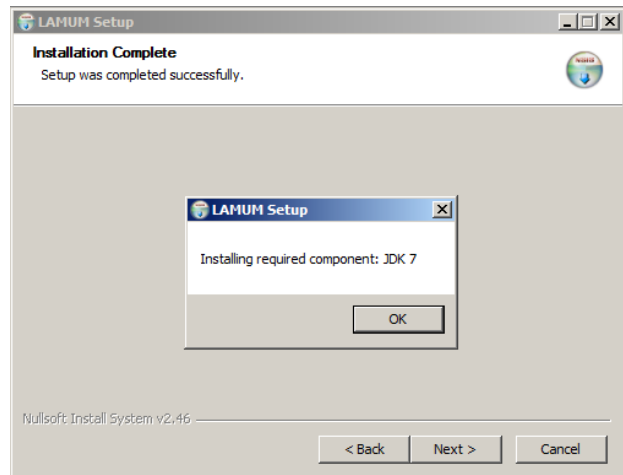
6. This screen shows the progress of the unpacking and installation of the files involved in LAMUM.



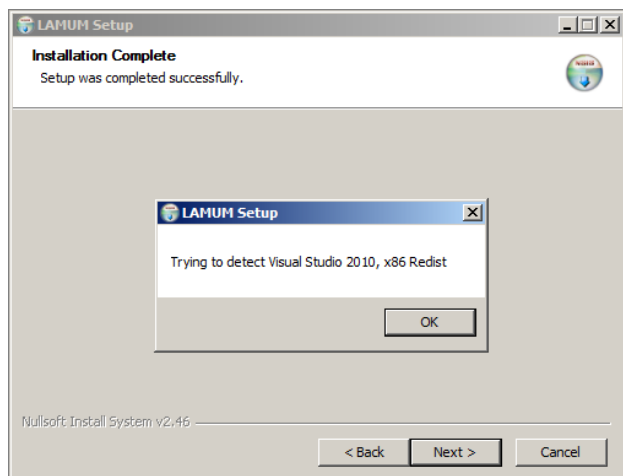
7. After the files are installed, we check IP address assigned to the server you’re installing LAMUM on. In the case of a single IP address, clicking next will default to the only shown IP address. If your server has multiple addresses available, they will be shown. If you click next without selecting an IP address, it will select the first IP in the list by default.



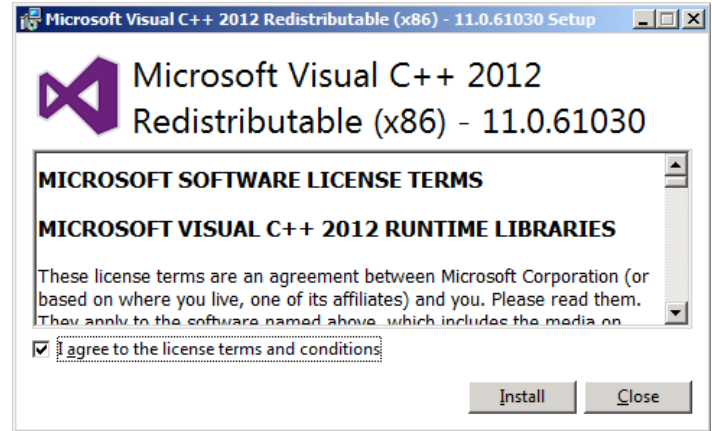
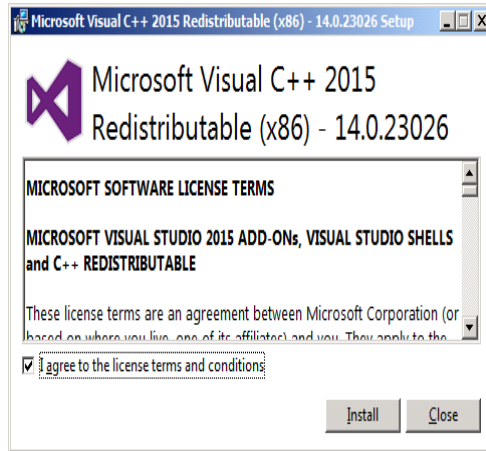
8. The next step checks for any installed versions of Oracle's Java Developers Kit, needed to run Apache Tomcat (an integral part of the LAMUM installation.) If it finds a suitable version of JDK, it will allow you to continue on to the next step. If it does not find a compatible JDK installation, you will be prompted to install the version we include without package. Follow the prompts for the JDK installation. Be aware that on some computers, the JDK installer opens dialog windows that appear behind the LAMUM windows. If the LAMUM installer appears to be frozen, check to make sure there isn't a windows from the JDK installation still open.



9. After verifying the JDK installation, we now check for compatible Microsoft Visual C++ Environment. Just as with the JDK installation, if a compatible version of Microsoft Visual C++ is not found, you will be prompted to install the version included with the installation package.

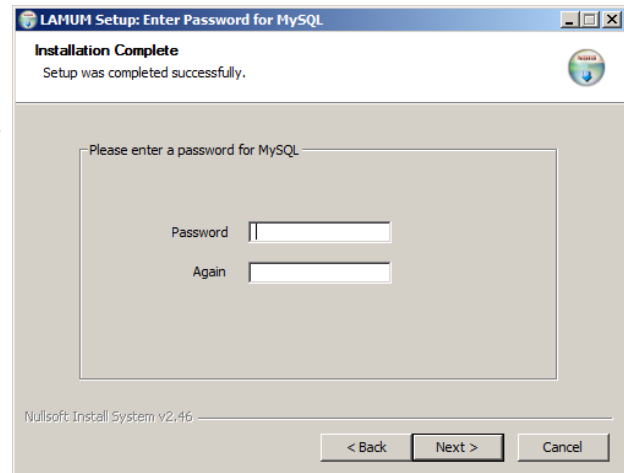


Follow the prompts to complete the Microsoft Visual C++ installation.

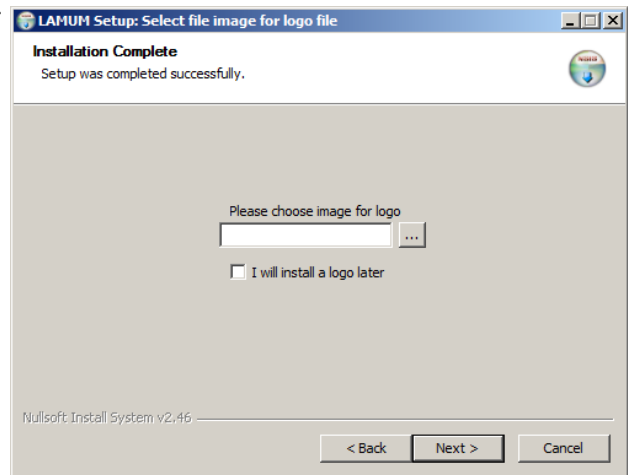


**\*\*Note:** The Apache 2.4.25 requires installation of Microsoft Visual C++ 2012 and Microsoft Visual C++ 2015. Do not skip these steps when you are prompted to install Visual C++ 2012 and 2015.

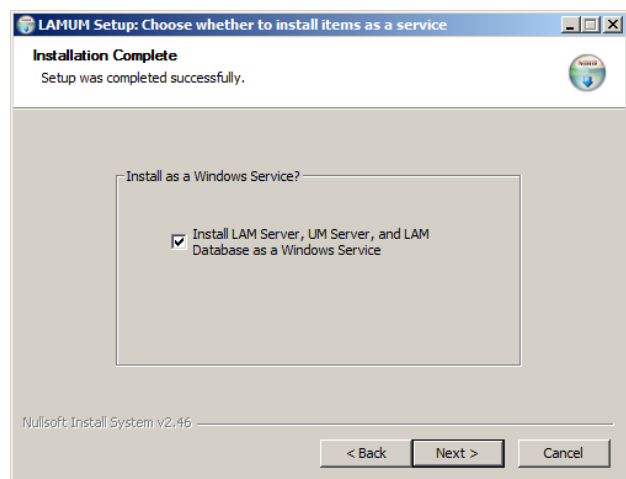
10. **\*\*Do not enter any password, please leave it blank.** (Please Note: database root username will be “root” and password will be “password”). After installation, the root password can be changed later by your DBA.



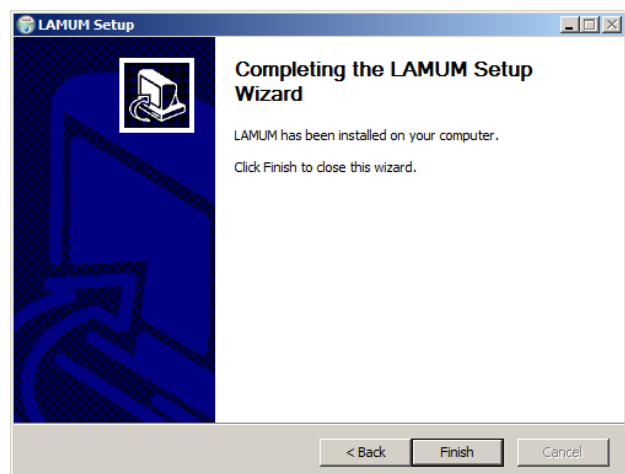
11. This step allows for the installation of your company logo in the header of LAMUM. The image must be JPEG format. If you don't want to install your logo, check the "I will install a logo later" option.



12. This step should always be checked, it allows for the installation of the services required to run LAMUM. Only uncheck this on installation if instructed to by TeamEDA.



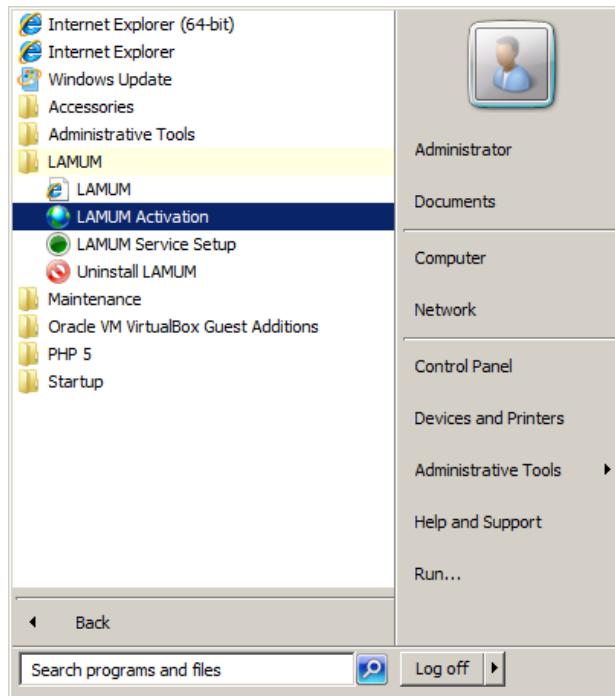
13. You have successfully installed LAMUM. Read through to the next section for basic setup instructions.



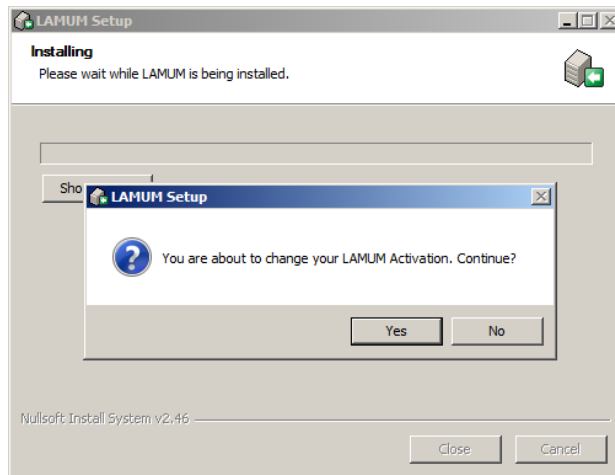
## Quick Setup

### Installing the LAMUM License key (Activation.lic)

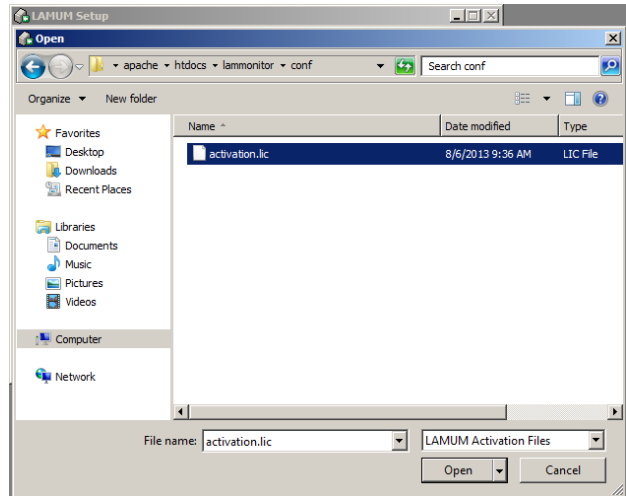
1. Locate the “Start Menu” folder for LAMUM and choose “LAMUM Activation” utility.



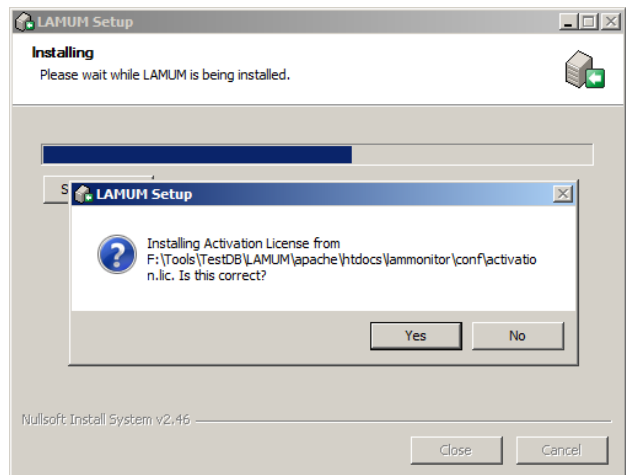
2. Acknowledge that we are about to change the license file for LAMUM.



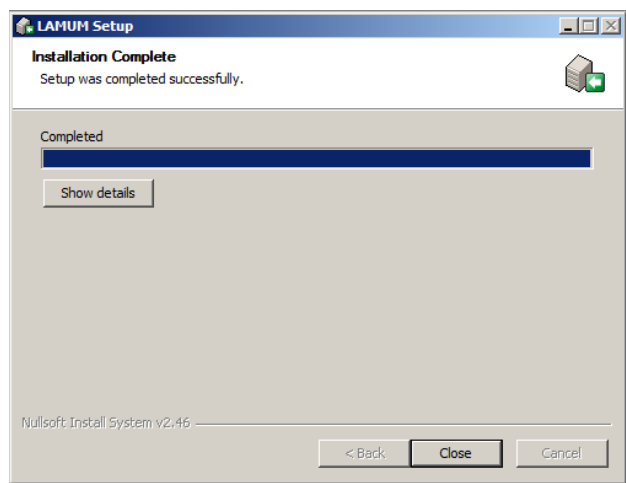
- Navigate to the folder location of the “activation.lic” file that was provided to you by TeamEDA.



- Verify that you have chosen the correct file.



- You have just updated your LAMUM Licence file. Close and Finish the utility.

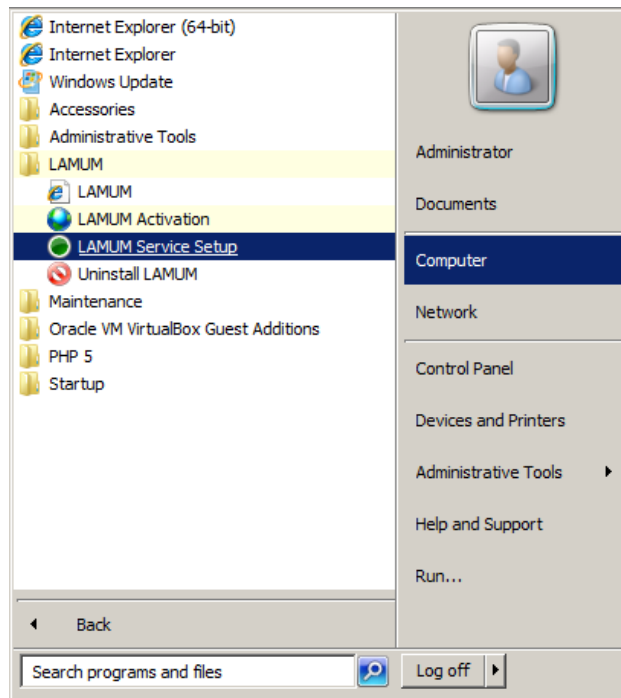




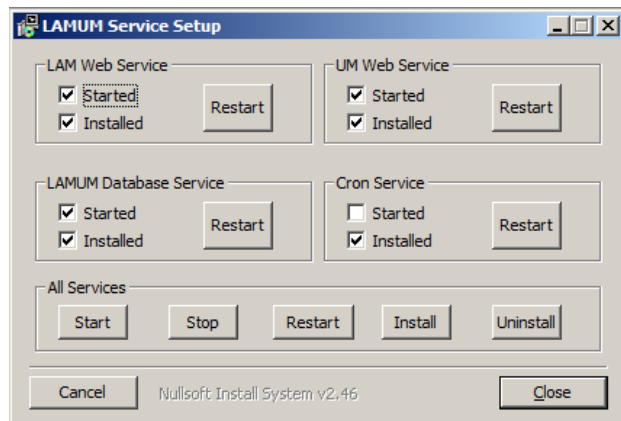
## Starting Services

Occasionally, some servers have issues with the automated “service” installation part of the LAMUM installation package. Follow these steps to verify that all the services have been started correctly before attempting to log into LAMUM for the first time.

1. Locate the “Start Menu” folder for LAMUM and choose “LAMUM Service Setup” utility.

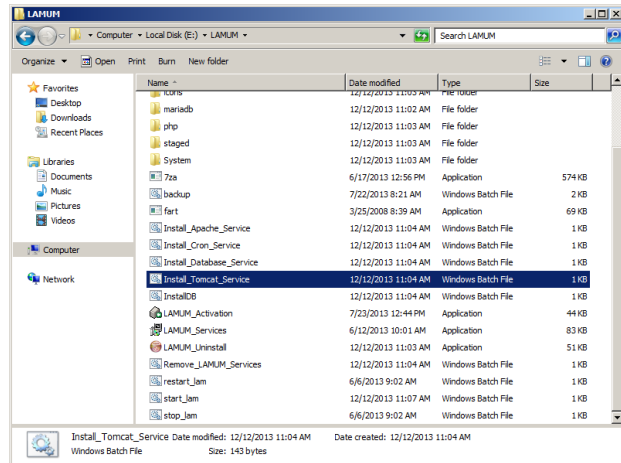


2. This utility shows the status of the four (4) services needed by LAMUM. Upon installation all the services should be installed, and all should be started except for the “Cron” service. The “Cron” service will be started automatically later on in the setup procedure. The utility includes an option to restart each or all service.



3. If any of the services are not started or not installed, use the check boxes to start/install the service.

- If any errors are presented in attempting to install/start services, you can manually install/start the services using the BATCH files included in the LAMUM installation directory.

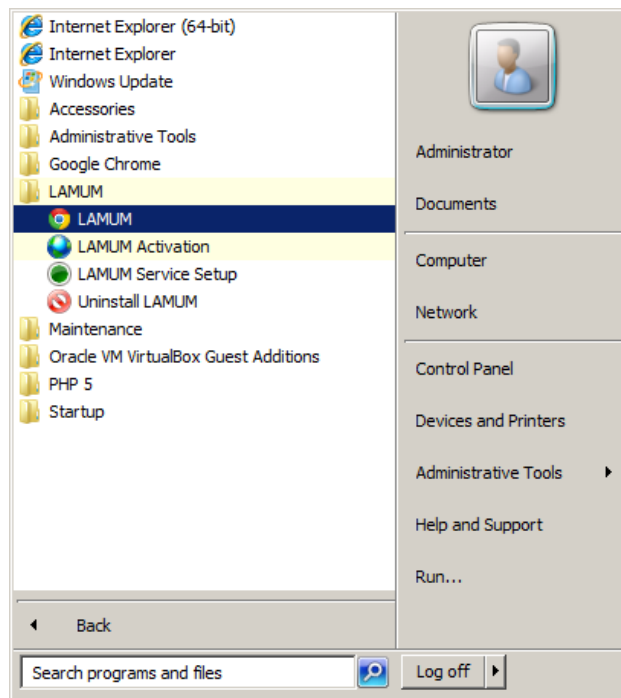


- If any of the BATCH files were used for installation/starting services, verify that they have been correctly started by re-opening the “LAMUM Service Setup” utility.

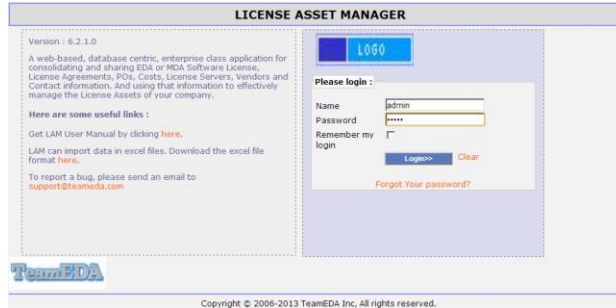
## Application Settings

If at any point you encounter errors in these steps, contact TeamEDA for support.

- Locate the “Start Menu” folder for LAMUM and choose “LAMUM” URL link.



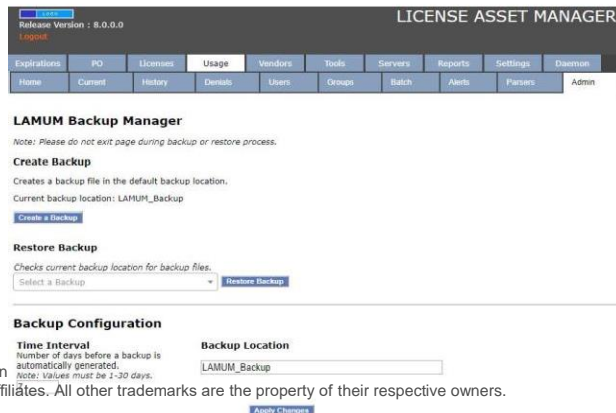
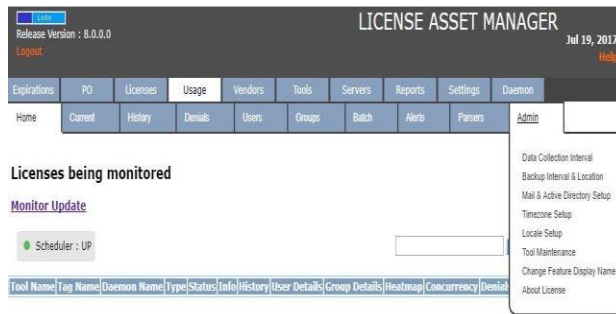
- Verify that the correct version is being displayed. Verify your logo (if installed) is being displayed correctly. Log into LAMUM with the default username/password (admin/admin)



- Navigate to the Usage tab. The tools under the Usage tab are powered by a different type of server than the others offered by LAMUM. If there is an error at this point, double check your services.



- Assuming your Usage tab loaded correctly, go to the Admin tab under Usage and choose Backup Interval & Location. Make sure your backup location is pointing at an existing directory. Here is also where you can set the days between database backups. If you're happy with these settings, click Submit  
 . You have the option on this page to also manually do a backup by checking the "Do Backup Now" checkbox before clicking Submit.



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5. Go to the Admin tab and choose Data Collection Interval. Here you can set frequency (in minutes) that your license server is polled for information. When you're happy with the setting, click Update.

Once you click Update on this page, your "Cron" service should automatically start. You can verify this using the "LAMUM Service Setup" utility, found in the Start Menu.

The screenshot shows the 'LICENSE ASSET MANAGER' interface. The top navigation bar includes 'Home', 'Current', 'History', 'Denials', 'Users', 'Groups', 'Batch', 'Alerts', 'Parsers', and 'Admin'. The main content area is titled 'Enter Time Interval for Data Collection' and includes a 'Notes' section stating 'All Tags will be read at same set interval. First cron will run after the time interval is set.' Below this is a 'Time Interval (minutes)' input field with the value '15' and 'Update' and 'Cancel' buttons. A 'Force Cron Operation' section has a 'Run Cron' button. A 'Custom Search Limit' section has a 'Maximum time span in years for Custom Searches' input field with the value '1' and an 'Apply' button.

6. Go to the Admin tab and choose Mail & Active Directory Setup. This is where you can setup your mail server, enabling LAMUM to send out warning/alert notices (once configured). You can also allow LAMUM to connect to your Active Directory server to pull user information. Once you have entered your settings, click Update. You can test your mail server settings by entering your email in the address field and clicking Test. You will either receive the test email in your inbox, or an error message will appear. Contact TeamEDA if you need help 603-656-5200.

The screenshot shows the 'LICENSE ASSET MANAGER' interface with the 'Mail & Active Directory Setup' form. The 'Active Directory Settings' section includes fields for 'Active Directory Host', 'Active Directory Port' (with a note: 'Optional. Default: 389'), 'Active Directory User', 'Active Directory Password', and 'Active Directory Path'. An example is provided: 'Active Directory Host: office.company.org', 'Active Directory Port: 389', 'Active Directory User: ADUser@office.company.org', 'Active Directory Password: ADUserPassword', and 'Active Directory Path: DC=office,DC=company,DC=org'. The 'Mail Server Settings' section includes fields for 'Mail Server Host', 'Mail Server Port' (with a note: 'LAMUM, to be able to send email alerts, needs access to a mail server. You will need the connection information for your outgoing mail server (SMTP). You will need to know the SERVER\_HOST address, and the correct SERVER\_PORT. In some instances, mail servers require authentication to send emails. If this is the case for your server you will need to set SMTP AUTHENTICATION to YES and add in a USERNAME and PASSWORD to the mail account that you wish to use.'), 'Admin Email', 'SMTP Authentication' (with a dropdown set to 'No'), 'SMTP Username', and 'SMTP Password'. An example is provided: 'Mail Server Host: mail.company.org', 'Mail Server Port: 25', 'Admin Email: robot@company.org', 'SMTP Authentication: Yes', 'SMTP Username: robot@company.org', and 'SMTP Password: robotpassword'. A 'Test' section at the bottom has an 'Email Address' input field.

7. Go to the Admin tab and choose Timezone Setup. Check to make sure the time zone selected is correct for your server location. If it is incorrect, either select the correct time zone from the drop down or select "Auto" and have LAMUM attempt to detect the timezone from your server settings.

The screenshot shows the 'LICENSE ASSET MANAGER' interface with the 'Timezone Setting' form. The top navigation bar includes 'Home', 'Current', 'History', 'Denials', 'Users', 'Groups', 'Batch', 'Alerts', 'Parsers', and 'Admin'. The main content area is titled 'Timezone Setting' and includes a 'Current Time Zone: (UTC-05:00) Eastern Time (US & Canada)' label. Below this is a dropdown menu with '(UTC-05:00) Eastern Time (US & Canada)' selected and an 'Update' button.

8. When these steps are complete, your LAMUM configuration is finished. You can now start entering licenses to monitor.

Contact TeamEDA for help:

603-656-5200

[support@teameda.com](mailto:support@teameda.com)