

Customizing the PC Environment For External LOJIC Users

LOJIC staff personnel are required to have the user sign the “Waiver of Liability” form as a precaution. Anything could happen and it’s better to be covered than not.

Copying LOJIC Data Onto Remote Computers

(*If you are a licensee, please skip to final page)

Remove the old data before you copy the new data.

1. When copying the data from the CD to the PC use the following guidelines:
 - Using the DOS xcopy command is faster on some machines than copying through windows. Used with the right switches, xcopy will retain date time stamps, important for retaining valid geocoding indexes on the streetcl and siteadd layers within Jeflib. Without using this method, geocoding indexes will have to be rebuilt after every data update. The following xcopy switches will help make loading LOJIC data easier:
 - /R – Copies over read-only files
 - /H – Copies files with hidden system file attributes
 - /E – Copies all subdirectories
 - /I – Copies files, directories and subdirectories
 - Recommended xcopy syntax:
xcopy /R /H /E /I [source directory] [destination directory].
For example:
xcopy /R /H /E /I d:\property c:\property
 - Note that some GIS library layers (PTD, Terrain, Property) are spread across multiple CD’s. For example, the Property library is on 2 CD’s, contained in a directory named Property on each. If not careful, in the Windows GUI environment it is easy to overwrite one CD with the next because of this structure. To avoid this, after copying the first CD, select the files under the Property directory on the second CD and copy those into the Property directory on your hard drive that was created from the first Property CD copied. Alternatively, use the DOS method noted in the above examples.
2. Make any needed additions or changes to autoexec.bat or the NT Environment as discussed below.
3. Reboot the machine so the changes in the autoexec.bat file will be recognized.
4. Bring up ArcView and add appropriate data to check the setup.
5. Check to insure the geocoding indexes were preserved for both streetcl and sitedadd. You will know they need to be rebuilt if, after making them active, the *Find Address* button is not bold.
6. If you have to build the geocoding indexes, see Appendix A, Creating LOJIC Geocoding Indexes.

Setting Environment Variables

To access LOJIC GIS layers in Arcview on external networks or stand-alone installations, users need to have certain environment variables set in the autoexec.bat file of their PC's or from the Control Panel's System Properties Environment tab for NT. (Note: *The Set command is not needed for NT*). If a PC client does not have an autoexec.bat file, then use notepad to create one. Set all paths to the relevant drive letter on which the data resides, (for example it might be the **d** drive rather than the **c** drive, etc.).

Use the Set command to initialize these paths in the autoexec.bat file only, (for example: set archome=c:\library). **Take special care not to introduce spaces into the variable=pathname part of the string, this will cause a problem.** Examples of these settings are as follows:

Variable:	Function:
• Set Archome=c:\library	<i>Arc Library index*</i>
• Set Lojicdoc=c:\lojicdoc	<i>LOJIC Metadata</i>
• Set Firm= c:\firmplib	<i>Firm data directory**</i>
• Set Jeffco=c:\jeflib	<i>Jeffco data directory***</i>
• Set Lojicdata=c:\jeflib	<i>Lojicdata data directory**</i>
• Set Lojicmap=c:\lojicmap	<i>Lojicmap data directory</i>
• Set Color1=c:\color1	<i>Color Imagery data directory</i>
• Set Color2=c:\color2	<i>Color Imagery data directory</i>
• Set Color3=c:\color3	<i>Color Imagery data directory</i>
• Set Metro=c:\metrolib	<i>Metropolitan data directory</i>
• Set Msddata=c:\msddata	<i>MSD data directory</i>
• Set Prop= c:\property	<i>Property library data directory</i>
• Set Ptd=c:\ptd	<i>PTD library data directory</i>
• Set Pvadata=c:\pvadata	<i>REMF data directory</i>
• Set Terrain=c:\terrain	<i>Terrain data directory</i>
• Set Sid=c:\sid	<i>Mr. SID compressed imagery file</i>
• Set Drg=c:\drg	<i>Georeferenced Raster Images of USGS 7.5 quads</i>

- * library was formerly called arcview.lib
- ** firmplib was formerly called mapsys/firmplib
- *** jeflib was formerly called mapsys/jeflib

To access custom extensions in Arcview on external networks or stand-alone installations, users need to have the following additional environment variables set on the PC:

- Set Avsupp=c:\avsupp *Custom projects*
- Set Userext=c:\avsupp\ext *Custom extensions*
- Set Avext=c:\esri\arcview\avgis_30\arcview\ext32 *ESRI sample extensions*

Important custom extensions include:

Lojic Parcel Query (pvaquery.avx - used to view parcel maps and their related assessment information (special permission is required to access the proprietary

assessment data. For more information on obtaining authorization contact Jane Poole at 540-6435).

Lojic Tools (Ltools.avx) - various custom tools developed by LOJIC to aid in map making and coordinate conversion. For more information See LOJICDOC.

A Note About Set Up For Licensees:

1. When copying the data from the CD to the PC use the following guidelines:
 - Using the DOS xcopy command is faster on some machines than copying through windows. Used with the right switches, xcopy will retain date time stamps, important for retaining valid geocoding indexes on the streetcl and siteadd layers within the address directory. Without using this method, geocoding indexes will have to be rebuilt after every data update. The following xcopy switches will help make loading LOJIC data easier:
 - /R – Copies over read-only files
 - /H – Copies files with hidden system file attributes
 - /E – Copies all subdirectories
 - /I – Copies files, directories and subdirectories
 - Recommended xcopy syntax:
xcopy /R /H /E /I [source directory] [destination directory].
For example:
xcopy /R /H /E /I d:\address c:\address
2. Make any needed additions or changes to autoexec.bat or the NT Environment as discussed below.
3. Reboot the machine so the changes in the autoexec.bat file will be recognized.
4. Bring up ArcView and add appropriate data to check the setup.
5. Check to insure the geocoding indexes were preserved for both streetcl and siteadd. You will know they need to be rebuilt if, after making them active, the *Find Address* button is not bold.
6. If you have to build the geocoding indexes, see Appendix A, Creating LOJIC Geocoding Indexes.

Many licensees utilize very limited and localized data sets that are custom clipped to their area of interest. For these installations the following environment variables should be set:

- Set Image=c:\image *Imagery or digital aerial photos*
- Set Lojicdata=c:\lojicdata *Miscellaneous clipped data layers*
- Set Address=c:\address *Address Geocoding data layers*
- Set Lojicmap=c:\lojicmap *Map notes, logo's, etc.*
- Set Lojicdoc=c:\lojicdoc *LOJIC Metadata*

Appendix A

Creating LOJIC Geocoding Indexes

- LOJIC has two coverages that can be used to perform geocoding or incident mapping:
 - Streetcl – US Single Range Centerline Street address range file
 - Siteadd – US Single House Site addresses based on parcels
- Both data files are located in \$LOJICDATA
- Streetcl uses the US Single Range Address Style. The item definitions are as follows:

From =	From_address
To =	To_address
PreDir =	Avdir
PreType =	Avpretype
StreetName =	Avstname
StreetType =	Avsttype
SufDir =	Avsufdir

- Siteadd uses the US Single House Address Style. The item definitions are as follows:

HouseNum =	Houseno
PreDir =	Avdir
PreType =	Avpretype
StreetName =	Avstname
StreetType =	Avsttype
SufDir =	Avsufdir