

Midwest Region Geospatial Support: GIS Software Distribution DVD
Keyless ArcGIS 9.3 Installation Instructions
MWR Geospatial Support Center: 608-263-7715

NOTES

Installation of both ArcGIS Desktop and ArcGIS Workstation are required to accommodate all GIS data types.

You or your park's GIS contact should have received the license key via email. The license file, if stored locally, must be deleted from your system at the end of the installation/registration process.

Please read the installation instructions completely before proceeding and call MWR Geospatial Support if you have any questions.

Remote installation of ArcGIS is available at most locations call MWR Geospatial Support if you are interested in this option.

Computer Preparation (Strongly Recommended)

Adjust your "My Computer/Explorer" view to show file extensions.

My Computer > Tools Drop-down > Folder Options > View
Uncheck "Hide Extensions for Known File Types"

While you're there; you may find checking the following two boxes helpful as well:
"Display full path in the address bar" and "Display full path in the title bar"

Speed-up your system's graphics response times by turning off the most of the visual effects:

Start > Control Panel > System > Advanced tab > Performance Settings > Visual Effects
Select "Adjust for Best Performance"

Then

Check the following two boxes from the "Custom" selections:

"Smooth Edges of Screen Fonts" and "Use Visual Styles on Windows and Buttons"

Adjust your Virtual Memory to 2X (static, not system managed) your physical RAM.

Start > Control Panel > System > Advanced tab > Performance Settings > Advanced > Virtual Memory Change
Change the Initial/Maximum sizes to 2048 X the physical RAM (i.e 2GB RAM = 4096MB Virtual Memory)

The amount of physical RAM can be found at the bottom of the System Properties dialog box under the "General" tab:

Start > Control Panel > System > General tab

Manually run Microsoft Updates using the "Custom" option and install SP3 if offered by Windows Updates.

(MWR-IT has now approved Windows XP Service Pack 3 is for installation.)

Reboot run Microsoft Updates at least 3 times as new updates often have updates as well.

Select not only the "Critical" updates but any "Recommended" updates for Microsoft .NET Frameworks.

Install the latest BIOS for your system.

Install the latest graphics driver for your system.

For laptops, download the latest driver from the PC manufacturer.

For desktops with motherboard-based graphics, download the latest driver from the PC manufacturer.

For desktops with discreet graphics cards, download the latest driver from the graphics card manufacturer.

Download and install the latest version of Java JRE: <http://java.sun.com/javase/downloads/index.jsp>

This is good time to update all of your "helper" apps: Adobe Reader, Adobe Flash player, QuickTime player ...

Defragment your system hard-drive: Start> All Programs > Accessories > System Tools > Disk Defragmenter

Installation Steps

I) Remove prior versions of ArcGIS

1. Using "Add or Remove Programs", uninstall all third-party ArcGIS extensions.
 - a) This works best in reverse alphabetical order until you get to ArcGIS Desktop which should be uninstalled last.
 - b) For example: Xtools Pro, TOPOI4, Python, NPS Metadata, NPS AlaskaPak...
2. Using "Add or Remove Programs", uninstall Python components.
3. Using "Add or Remove Programs", uninstall tutorial and sample data.
4. The last items to be uninstalled are ArcGIS ArcInfo Workstation and ArcGIS Desktop--in that order.
 - a) This can be done manually using "Add/Remove Programs" or using the ArcGIS 9.3 Conflict Detector: "DVD_Drive:\ArcGIS_ConflictDetector\93ConflictDetector.exe"
5. Review "Add or Remove Programs" for any obvious signs of remaining pre-9.3 ArcGIS components.
6. Defragment the hard-drive before continuing to the 9.3 installation procedure.

II) Install ArcGIS Desktop

1. Double-Click "DVD_Drive:\ArcGIS_Desktop93\setup.msi"
2. Select "Complete" wherever prompted.
3. Select "Cancel" when prompted to register ArcGIS at the end of the installation process.
4. Double-Click "DVD_Drive:\Patches\Desktop_SU\QFE-DT-93-CQ00310308-TestOnly.EXE"
5. Navigate to the keyless license file "nps_licensefiles.esu9" at the registration dialog.
6. You may be prompted to restart your PC.
7. The license file must be deleted from the system once successful installation is validated.
8. Run the following files to install Service Pack 1:
"DVD_Drive:\Patches\Desktop_SU\ArcGISDesktop93sp1.msp"
"DVD_Drive:\Patches\Desktop_SU\ArcGISDesktopHelp93sp1.msp"
9. The keyless media does not install several components used by advanced users as listed below:
 - a) To enable Macro and Visual Basic functionality, run the following two MSI packages:
"DVD_Drive:\ArcGIS_Desktop93\VBA\1033\VBAOF111.msi"
"DVD_Drive:\ArcGIS_Desktop93\VBA\VBAOF11.msi"
 - b) To enable Python scripts created using Pre-9.3 versions of ArcGIS, run the following executable:
"DVD_Drive:\ArcGIS_Desktop93\PythonWin\pywin32-210.win32-py2.5.exe"
 - c) To enable "Crystal Reports XI" run the following MSI package:
"DVD_Drive:\ArcGIS_Desktop93\Crystal Reports XI\setup.msi"

III) Install ArcGIS Workstation

1. Double-Click "DVD_Drive:\ArcGIS_Workstation93\workstation.msi"
2. Select "Complete" wherever prompted.
3. Accept the default installation directory.
4. Change the default "Workspace" location to your local GIS data directory.
 - a) If you do not yet have a local GIS data folder change the name "Workspace" to something more appropriate such as "GIS_Data" or "ParkCode_GIS".
 - b) Please note that ArcInfo Coverages are not compatible with data paths containing spaces. To avoid related issues, use the "_" or "-" instead of spaces in GIS data paths. (i.e. GIS_Data or GIS-Data rather than GIS Data or MWRO_GIS instead of MWRO GIS)
5. Accept the default license server option "Not-Set".
6. Copy all the files in "DVD_Drive:\ArcGIS_Patches\Workstation_SU" to "C:\ArcGIS\arcexe9x\bin"

IV) Install third-party extensions.

"DVD_Drive:\ArcGIS_Keyless\ArcGIS_Extensions" contains commonly requested ArcGIS extensions.