

WinDET Version 1.0

Installation Guide



**United States Department of Agriculture
Forest Service
Northeastern Area
State and Private Forestry**

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Introduction

WinDET 1.0 is bundled as a 2-CD set and this guide is intended to accompany the CD set as a guide for the installation of WinDET on your Microsoft supported operating system. CD 1 of the set includes the WinDET installation files and the ArcGIS 9.2 Engine Runtime. For ease of installation, we have also included extra software you may need (listed in the System Requirements section) in order to complete the WinDET installation without the need to download these on your own. A supplemental CD containing the ArcGIS 9.3 Runtime will also be included for those users who have upgraded to ArcGIS 9.3.

Please review the minimum system requirements in the [System Requirements](#) section of this document carefully and confirm that your PC or laptop computer meets these requirements prior to beginning the installation. If you have any questions, please contact a member of the WinDET technical support team prior to continuing the installation.

It is strongly recommended that you follow this guide step by step to ensure a successful installation of WinDET and should you experience technical difficulties, please contact an appropriate member of the support team as outlined in the [Technical Support](#) section. We value your input to this process and welcome your suggestions/comments.

NOTE: An electronic version of this document is also available:
http://www.fs.fed.us/na/sap/wdet/windet/help/windet_install_guide.pdf

Technical Support

If you require technical support related to installing or using WinDET v1.0, please contact a WinDET Team member specific the support you require as listed below:

- [WinDET Technical or Installation Questions](#)
 - Cindy M. Barnett, NA IT Specialist, 304.285.1568, cmbarnett@fs.fed.us
- [WinDET GIS Specific Questions](#)
 - Tom Luther, NA GIS Team Leader, 603-868-7710, tluther@fs.fed.us
- [WinDET Programmatic Questions](#)
 - James Melonas, Cooperative Forestry Program Specialist, 202-205-1382, jmelonas@fs.fed.us
 - Barbara Tormoehlen, NA Group Leader, Office of Knowledge Management, 812-277-3567, btormoehlen@fs.fed.us
 - Karl R. Dalla Rosa, Forest Stewardship Program Manager, 202-205-6206, kdallarosa@fs.fed.us

Document Conventions

The use of bold and italic text (red and black in color) are used in this document in order to bring your attention to important steps you must follow to perform a particular action or bring your attention to an important next step or skip in workflow. Additionally, this document was created based upon the Microsoft Windows XP operating system and where the steps vary for Windows 2000 it will be emphasized using the Courier Font preceded by [W2K] . For example, if an instruction is different for Windows 2000, there will be a separate instruction beginning with [W2K] .

System Requirements

- Operating System
 - Microsoft Windows 2000 Professional, Service Pack 4 or higher (Service Pack 4 is on CD 2)
 - Microsoft Windows XP Professional, Service Pack 2 or higher (Service Pack 2 is on CD 2)
 - Microsoft Windows XP Home, Service Pack 2 or higher (Service Pack 2 is on CD 2)
- Microsoft .NET 2.0 Framework Runtime (CD 2) or higher
- MDAC 2.8 (CD 2) or higher
- ESRI ArcGIS Software

NOTE: The most important prerequisite is if the computer WinDET is being installed on also has ArcGIS Desktop (any license level), and then your ArcGIS Desktop software must be version 9.2, Service Pack 3 (or higher) or 9.3, Service Pack 1 (or higher). Beyond this prerequisite, the following also applies:

- If running ArcGIS (**ArcView License**), you must install WinDET and the ArcEngine runtime (9.2 or 9.3 as noted above) with license.
- If running ArcGIS (**ArcEditor or ArcInfo License**), you must install WinDET only.
- If not running any ESRI Desktop product, you must install WinDET and the ArcEngine Runtime with license (**provided with WinDET**).

Administrative privileges may be required to install some or all of the required software. Please contact your site or system administrator to obtain sufficient security privileges.

Step 1 – Verify Minimum System Requirements

a. Operating System

WinDET 1.0 has been tested to run on Microsoft Windows 2000 Professional, Service Pack 4 and XP Professional, Service Pack 2.

Click **Start > Control Panel > System**

[W2K] Click **Start > Settings > Control Panel > System** and verify your system meets these requirements including service pack in the **System Properties** window:



[W2K] This should be Service Pack 4 (or higher) for Microsoft Windows 2000.

Service Pack Updates are available on CD 2:

Click **Start > Run** and type the corresponding path (*where X = the drive letter assignment of your CD drive*) below for your version of Windows in the **Open:** box then click **OK** and follow the prompts.

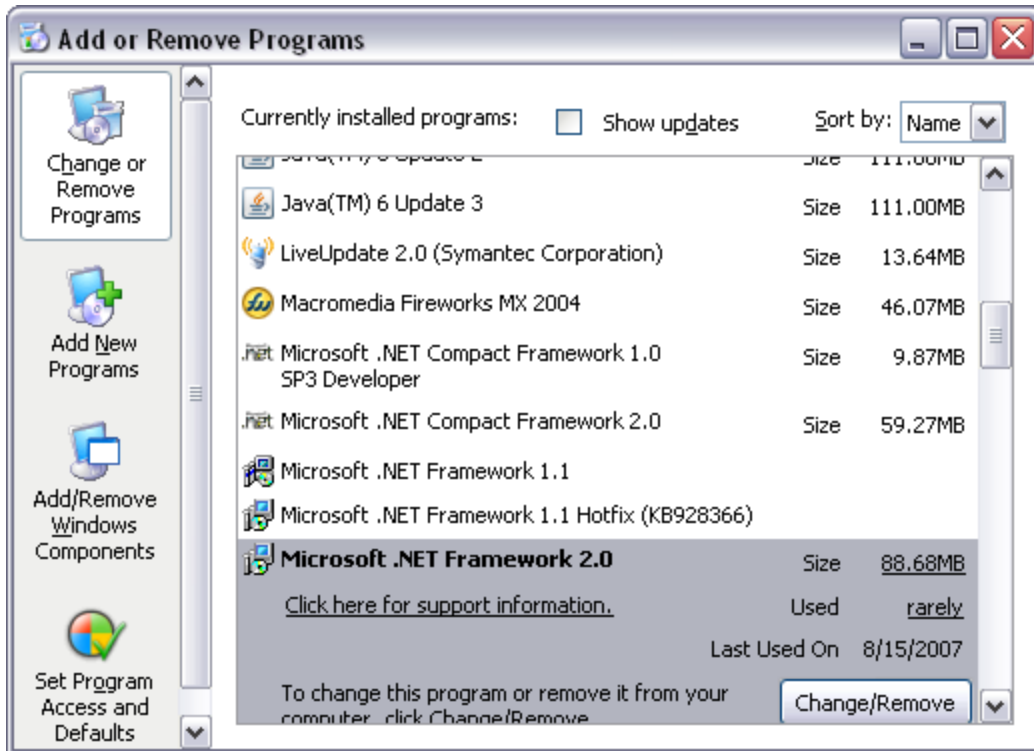
- Microsoft Windows 2000 Professional
X:\W2KSP4_EN.EXE
(So, if your CD-ROM is assigned to the D Drive, you would type **D:\W2kSP4_EN.EXE**)
- Microsoft XP Professional
X:\WindowsXP-KB835935-SP2-ENU.exe

b. Microsoft .NET Framework

The Microsoft .NET Framework is required for WinDET to properly run.

Click **Start > Control Panel > Add or Remove Programs**

[W2K] Click **Start > Settings > Control Panel > Add or Remove Programs** and verify that version 2.0 (or higher) is installed:



The .NET Framework 2.0 is available on CD 2:

Click Start > Run and type the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK** and follow the prompts.

Path: X:\dotnetfx.exe

c. MDAC 2.8

Verify that MDAC 2.8 or higher is installed on your computer. **NOTE:** *If you have XP, Service Pack 2, MDAC 2.81 is already installed and you can skip this step.* Otherwise, if you don't know what version of MDAC is installed, you can install the MDAC Component Checker Utility from CD 2 to discover what version you have installed.

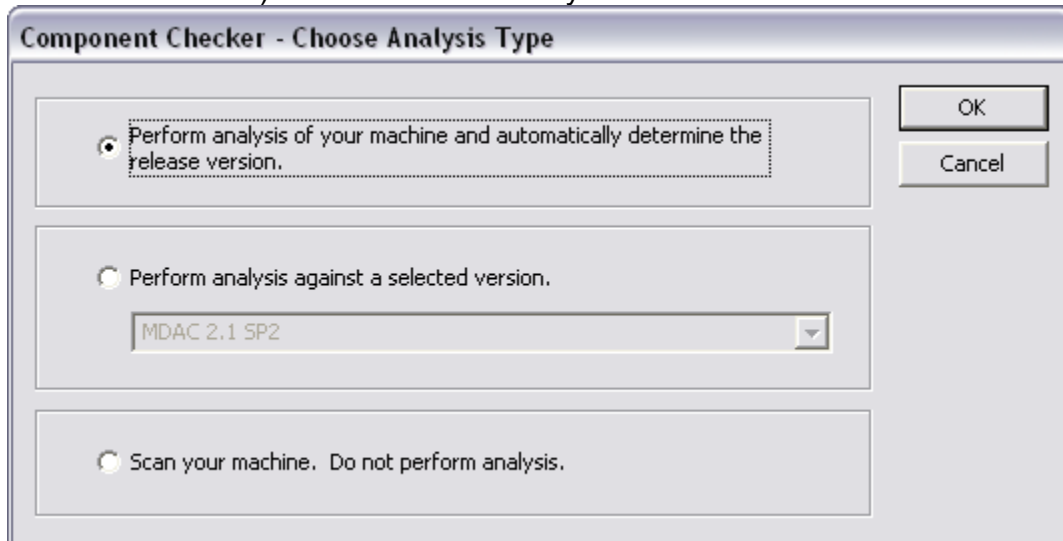
Click Start > Run and type the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK** and follow the prompts.

Path: X:\MDACutil_cc.exe

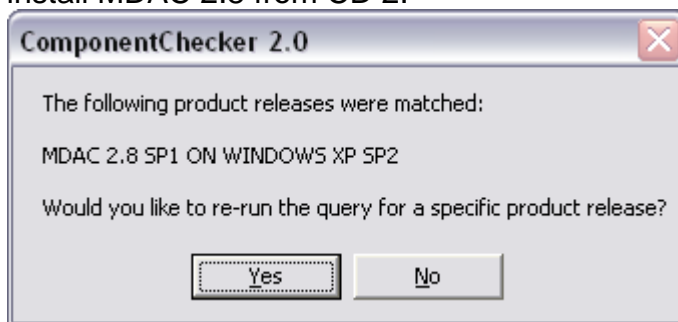
NOTE: The default installation folder is C:\CompChecker – please make a note of this location or any other location if you change the default – you will need this to launch Component Checker on subsequent runs after the

install by double-clicking the <CC.exe> file located in that default installation folder.

The Component Checker will launch after installation. Accept the default (“**Perform analysis of your machine and automatically determine the release version.**”) and click **OK** to analyze.



If your results show a version less than MDAC 2.8 for your specific operating system (see screen shot below for sample results), you can install MDAC 2.8 from CD 2.



Click Start > Run and type the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK** and follow the prompts. (See **NOTE** on reboot below).

Path: X:\MDAC_TYP.EXE

NOTE: This installation will require a reboot of your computer. You are given an option to reboot later but the WinDET installer will not detect the installation of MDAC 2.8 until you reboot.

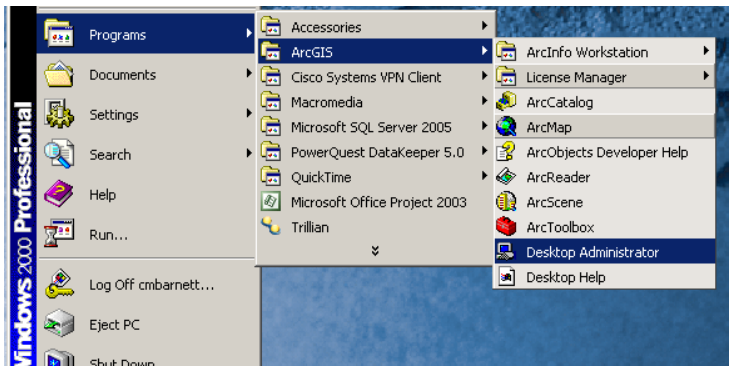
d. ESRI ArcGIS Software

- If running ArcGIS (**ArcView License**), you must install WinDET and the ArcEngine runtime with license. If ArcGIS Engine 9.2 or 9.3 is already installed, continue to [Step 2b](#) to ensure the proper configuration.
- If running ArcGIS (**ArcEditor or ArcInfo License**), you must install WinDET only. If ArcGIS Desktop 9.2 or 9.3 is already installed, continue to [Step 2a](#) to ensure the proper configuration.
- If **not running any ESRI Desktop product**, you must install WinDET and the ArcEngine runtime with license. Go directly to [Step 3](#) for this option.

Step 2 – Verify ESRI ArcGIS Software

a. Verify Existing ArcGIS Desktop Installation

1. Verify an ArcEditor or ArcInfo license is being used, using Desktop Administrator.



2. Verify that the ArcGIS .NET support feature was installed by navigating to the **C:\Windows\assembly** or [W2K] **C:\WINNT\assembly** folder and verifying the existence of ESRI files. **If they do not exist, that means that the .NET Framework was not present when ArcGIS was installed. You will have to uninstall ArcGIS, make sure the .NET Framework is installed, and then reinstall ArcGIS.**
3. Verify Service Pack installation by running the Service Pack Finder Program:

Click Start > Run and type the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK**.

Path: X:\Engine\Support\ServicePackFinder92.exe

4. If Service Pack 3 (or higher) for ArcGIS Desktop is not installed, download it from the ESRI Support Center (<http://support.esri.com/index.cfm?fa=downloads.patchesServicePacks.gateway>) or install SP3 from the WinDET CD:

Click **Start > Run** and type the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK**.

Path: X:\Engine\ArcGISDesktop92sp3.msp

b. Verify Existing ArcGIS Engine Installation

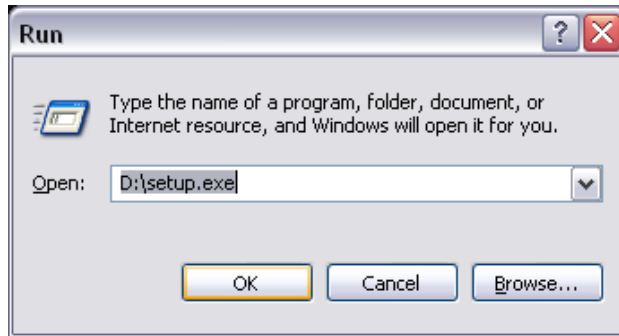
NOTE: If you verified an ArcGIS **Desktop** 9.2 or 9.3 installation in [Step 1d](#) or if **NO** ArcGIS Software is installed, **skip to [Step 3](#)**.

1. Verify that the .NET support feature was installed by navigating to the **C:\Windows\assembly** or [W2K] **C:\WINNT\assembly** folder and verifying the existence of ESRI files. If they do not exist, that means that the .NET Framework was not present when ArcGIS Engine was installed. You will have to uninstall the ArcGIS Engine Runtime, make sure the .NET Framework is installed, and then reinstall the ArcGIS Engine Runtime.
2. Verify that the Geodatabase Update extension is installed using the ServicePackFinder92.exe program which can be found on the WinDET Installation CD in the Engine\Support folder. The 9.3 Service Pack Finder is available at the [ESRI Resource Center](#).
3. Verify the latest Service Pack installed (*see [Step 4](#) for detailed instructions*). If it is not installed, *see [Step 5](#) for detailed instructions*.

Step 3 – Install WinDET version 1.0

- a. Install WinDET 1.0 by **Clicking Start > Run** and typing the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK** to walk through the installation wizard.

Path: X:\setup.exe



b. Click Next on the **WinDET** window:



- c. Click Next on the **Welcome to WinDET Setup Wizard** window:

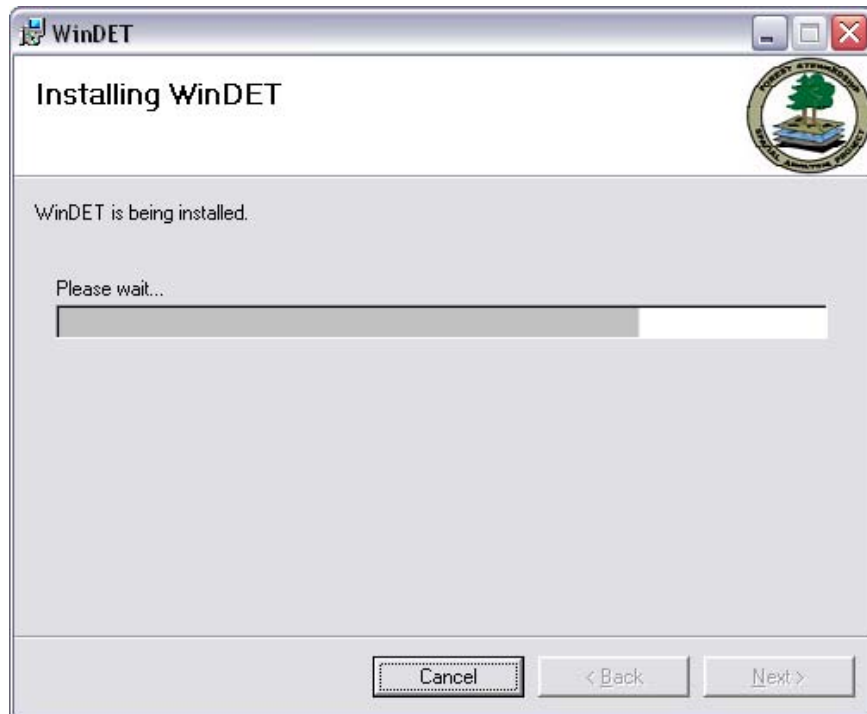
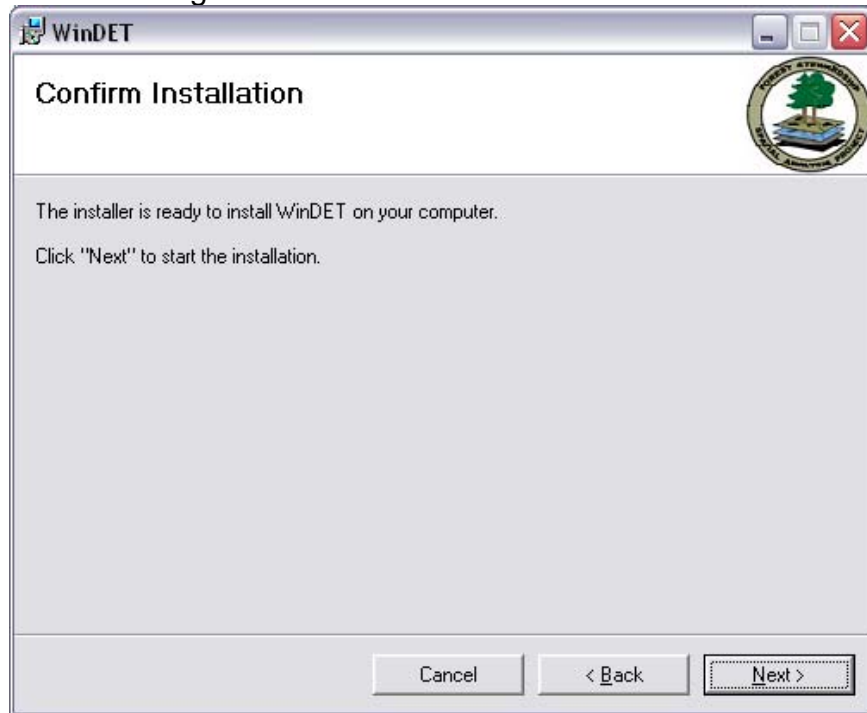


- d. Accept the default installation folder and click **Next** or click **Browse** to change:

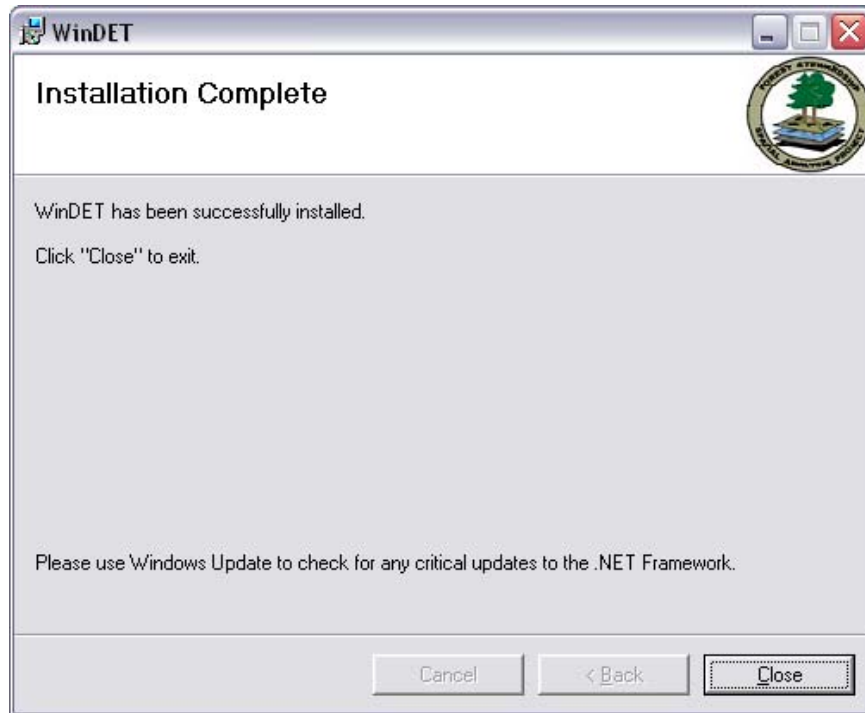
NOTE: If you change the default installation folder, please make a note of the new location as you will need this information to complete [Steps 6 and 7](#) below.



e. Click **Next** to begin the installation:



f. Click **Close** upon successful installation:



Step 4 – Install ArcGIS Engine

NOTE: If ArcGIS Engine 9.2 or 9.3 is already installed or ArcGIS Desktop 9.2 or 9.3 is already installed (*as verified in steps [1d](#) and [2a](#) or [2b](#) above*), then **SKIP** this step and **go to [Step 6](#)**.

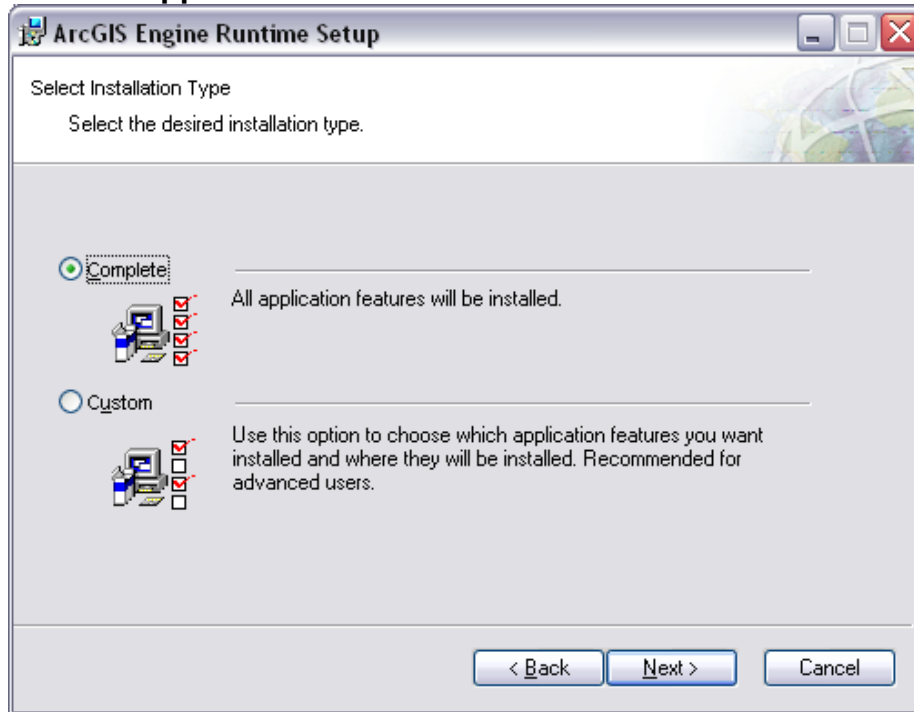
The versions of ArcGIS Engine run side by side with only the same version of Desktop. For example, the Engine Runtime version 9.3 only runs with ArcView 9.3 but not 9.2.

- a. Insert the 9.2 or 9.3 CD and click **Start > Run** and type the path (where *X* = the drive letter assignment of your CD drive) below in the **Open:** box then click **OK** to walk through the installation wizard.

9.2 Path: X:\Engine\Setup.exe

9.3 Path: X:\Engine9.3\Setup.exe

- b. Click **Next** on the **ArcGIS Engine Runtime Setup** window to continue:
- c. Read and accept the **License Agreement** then click **Next** to continue:
- d. The required **.NET Support feature** is included in the **Complete Installation type**. If you choose a **Custom** installation, be sure to include the **.NET support feature**. Click **Next** to continue:



- e. Click **Next** to accept the default destination folder or click **Browse** to change:
- f. If you choose a **Complete** installation type in **Step 4d** above, accept the default installation folder for **Python** or click **Browse** to change:
- g. Click **Next** to begin the installation of **ArcGIS Engine Runtime** and the files will be extracted and copied to your system. The required modules will then be registered.
- h. **Click Finish** to exit the installation when prompted:

Step 5 – Install ArcGIS Engine Service Pack

NOTE: If you skipped [Step 4](#) then the ArcGIS Engine Service Pack is already installed (as verified in [Step 2b](#) above) so you must **SKIP** this step too and **go to [Step 7](#)**.

9.3 NOTE: As of the date of these instructions (June 19, 2009), one service pack was available from ESRI for ArcView 9.3. It is important that all versions of ArcGIS products installed on the same machine are in sync to avoid any software conflicts. Therefore, if you have installed ArcView 9.3 Service Pack 1, you should also install the Engine Runtime 9.3 Service Pack 1.

To find out what products are currently installed on your machine, copy the PatchFinder93.exe utility from the 9.3 CD:

Path: X:\Engine9.3\Support\PatchFinder93.exe

to your local machine and run it. This utility provides a report detailing which ArcGIS products are currently installed on your machine and will help you determine which product Service Packs you should install on your machine. If ArcGIS 9.3 Service Pack 1 is not installed on your machine, you can download the installation file here:

<http://support.esri.com/index.cfm?fa=downloads.patchesServicePacks.viewPatch&PID=15&MetalD=1457>

Once you have Service Pack 1 for ArcView 9.3 installed, install the Engine Runtime 9.3 Service Pack 1.

- a. **Click Start > Run** and type the path (*where X = the drive letter assignment of your CD drive*) below in the **Open:** box then click **OK** to start the **Windows Installer**.

9.2 Path: X:\Engine\ArcGISEngine92sp3.msp

9.3 Path: X:\Engine9.3\ ArcGISEngine93sp1.msp

- b. Click **Next** on the **ArcGIS Engine Runtime Setup** to walk through the installation wizard:

Once your ArcGIS Engine Runtime 9.3 installation is validated, the Service Pack files will be extracted and copied to your system and the updated modules will be registered. Product information will be published then backup files used for the installation will be removed.

- c. **Click Finish** to exit the **Service Pack** installation when prompted:

Step 6 – Add a valid ArcGIS Engine License File

NOTE: If you have an existing installation of ArcGIS Desktop 9.2 with an appropriate license as described in [step 2a1](#) then **skip this step and go to [Step 7](#)**.

To register your copy, please send an email to cmbarnett@fs.fed.us with “WinDET Registration-Engine 9.2” Or “WinDET Registration-Engine 9.3” in the subject line. Upon verification of all required forms, the license file will be sent via email.

Engine 9.2 License Registration

Save the license file attachment to the BIN folder of the WinDET installation directory: **C:\Program Files\ESRI\WinDET\bin** Or other directory you specified in [Step 3d](#).

Engine 9.3 License Registration

- a. Save the license file attachment to your computer.
- b. Click **Start > All Programs > ArcGIS > Software Authorization**.
- c. Select the radio button option “**I have received an authorization file from ESRI and am now ready to finish the registration process**” and click **Next**.
- d. **Browse** to the location you saved the authorization file to in **step a** above and select the file.
- e. Click **Next** and then **Finish** to complete the authorization.

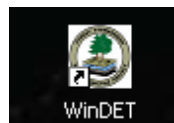
Step 7 – Running the WinDET Application

Congratulations, reaching this step means you have successfully installed and configured all prerequisites to run WinDET.

Click Start > All Programs > WinDET > WinDET to run the application

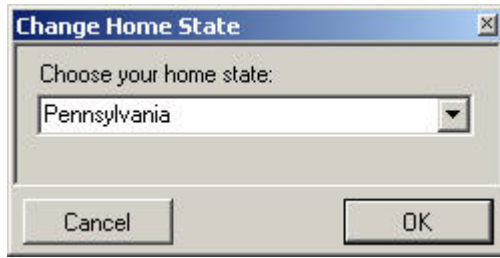
Or...

Double-click the shortcut icon <WinDET> that was placed on your Desktop as part of the installation:

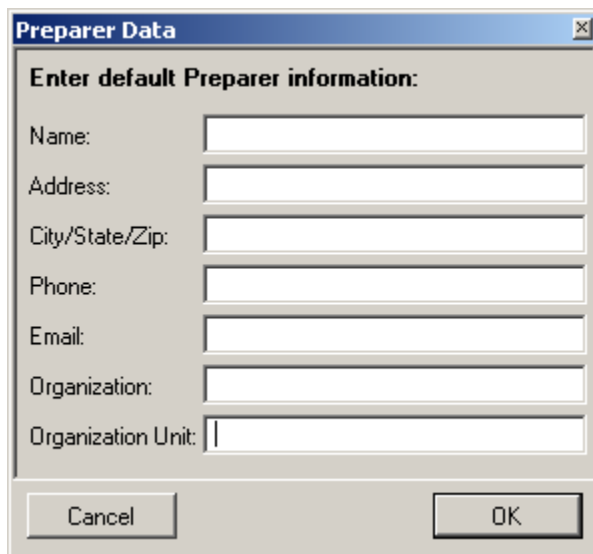


Step 8 – Set Home State and Default Preparer

- a. Open WinDET (see step 7 above).
- b. On the WinDET menu, click **File** and select **Change Home State**.
- c. Locate your state from the drop-down list and click **OK**.



- d. Click **File** and select **Default Preparer Info** and enter the default preparer information and then click **OK**.



- e. Once the **Change Home State** and the **Preparer Data** forms have been populated, exit and restart WinDET to refresh the change.

To get started using WinDET, refer to the **User/Help Guide** which can be found under **Help Menu > Contents**.

Troubleshooting

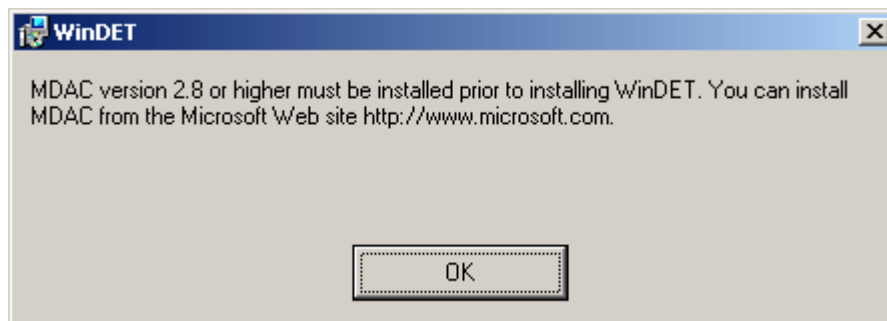
1. Common Errors

- a. USFS.WinDET.Framework has encountered a problem and needs to close.



This error has been documented when attempting to launch the WinDET program *without* first adding a valid ArcGIS Engine License File as described in **Step 6** above.

- b. MDAC version 2.8 or higher must be installed prior to installing WinDET.



This error has been documented when attempting to install the WinDET program *without* the correct version of MDAC as described in **Step 1c** above *or installing MDAC 2.8 but not rebooting* prior to attempting to then install the WinDET program.