

Chapter 1

Installing T.O.M. WebTrips Software on Your Web Server

A successful WebTrips installation requires T.O.M. 4.4.1 (or greater), the WebTrips application files, and configuration of Microsoft IIS to support the WebTrips application. In this chapter you will find instructions on:

- Installing or upgrading to T.O.M. Field Trip Software on the WebServer
- Attaching to your T.O.M. Database
- Installing WebTrips on the Web Server
- Configuring IIS for the WebTrips Application (general discussion)
- Customizing your WebTrips web pages

Although the T.O.M. client will not be used in the typical sense on the web server, T.O.M. WebTrips requires the client to be installed on the web server. WebTrips will access the trip code and use some of the database connections set up by the T.O.M. client.

The following is a step by step set of instructions telling you how to install T.O.M. 4.4.1 on your I.I.S. Server used by T.O.M. WebTrips. These instructions assume your T.O.M. database is already installed on the network, is accessible to the webserver and is at version 4.4.1 (or greater). If these assumptions are not correct STOP NOW, and install or upgrade T.O.M. on at least one other workstation before continuing (see instructions in *Steps for Upgrading your T.O.M. to 4.4.1*).

Installing or Upgrading to T.O.M. 4.4.1 on the Web Server for WebTrips

1. Insert your *T.O.M. 4.4.1 CD* into the CD ROM drive.
2. Click the 'Start' button.
3. Click the 'Run' option.
4. Enter the following in the command line, (where 'd' refers to the CD drive containing T.O.M. 4.4.1 CD - See *Figure 1.1*): *d:\setup*

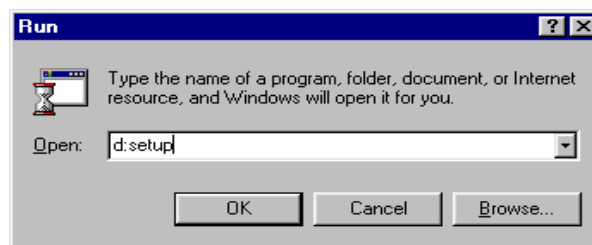


Figure 1.1- Starting T.O.M. Setup Program



After a few moments the “License Agreement” screen will display (*Figure 1.2*). If you like take a few moments to review T.O.M.’s license agreement. To continue from here click the button marked I Agree.

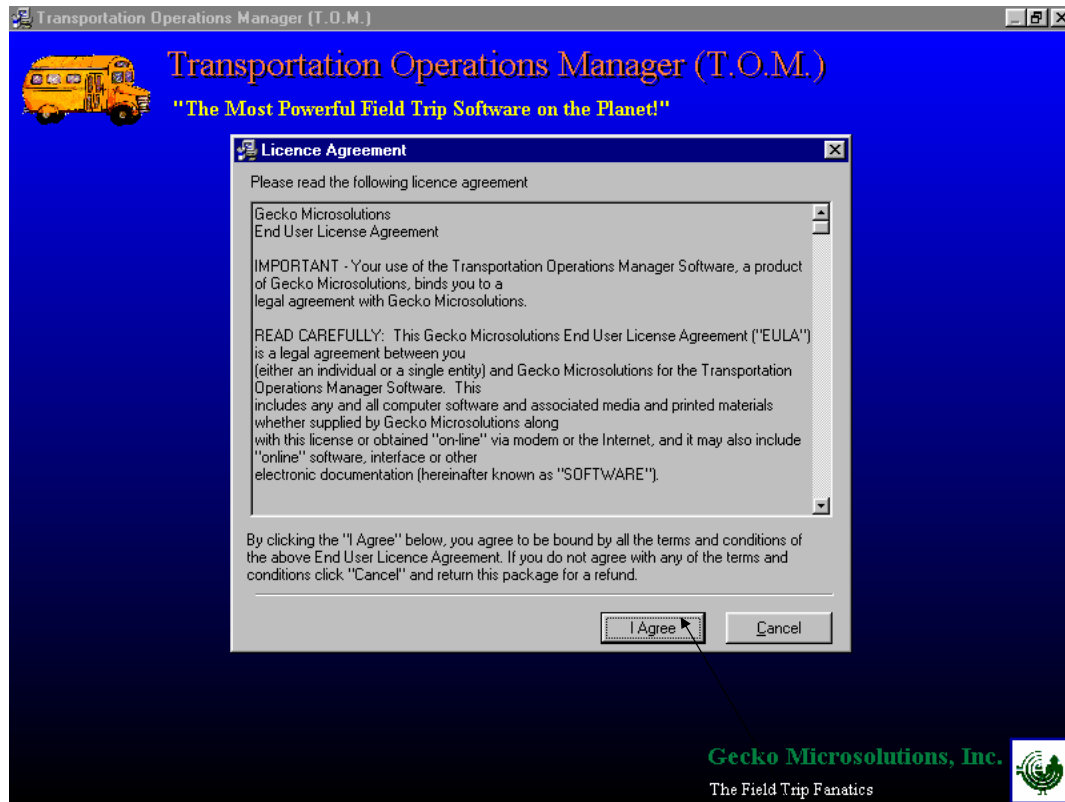


Figure 1.2- The “License Agreement” Screen

Click I Agree to continue.



- Next a screen will be the Welcome to the T.O.M. Installation Screen (**Figure 1. 3**). To continue click the Next button.

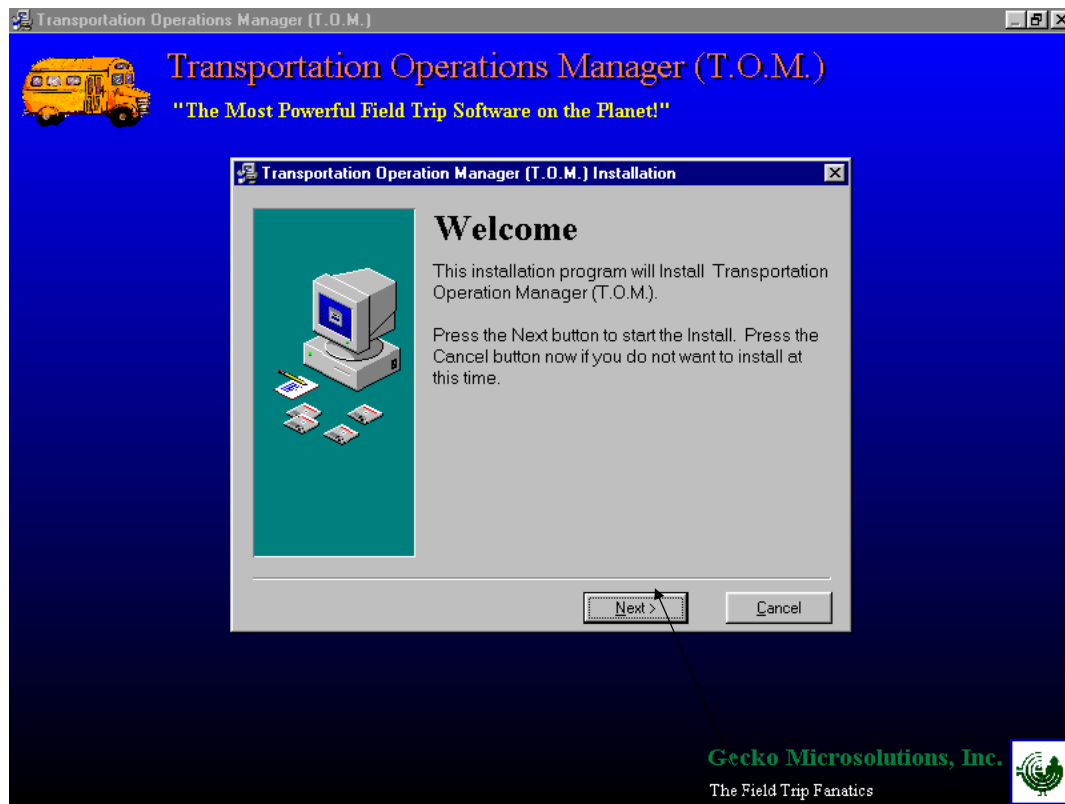


Figure 1. 3 – Setup Welcome Screen

Click Next to
continue



- Next the ‘Select Which Type of Installation You Wish to Perform’ Screen appears (**Figure 1. 4**). If this is the first time you have installed T.O.M. on the webserver, then you will click the ‘New Installation’ button. Otherwise, if you have a previous version of T.O.M. installed on the webserver, click ‘Upgrade...’

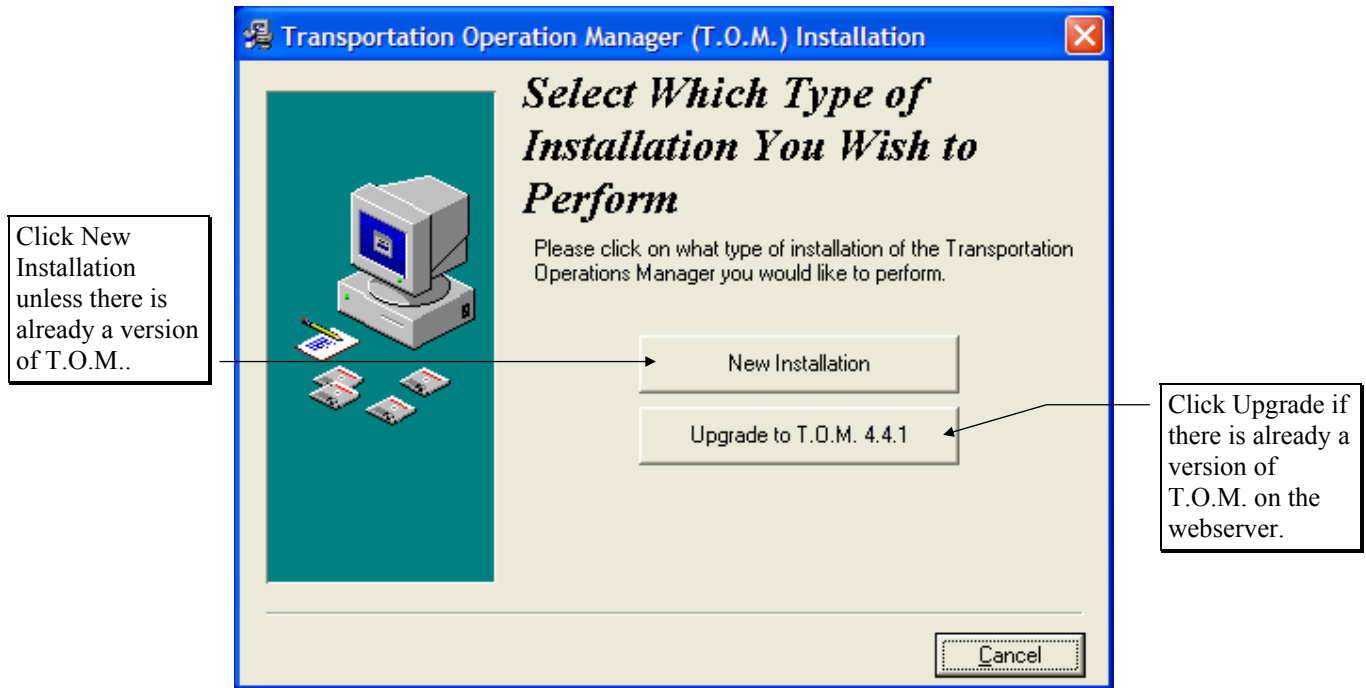


Figure 1. 4- The ‘Select Which Type of Installation You Wish to Perform’ Screen



- 8 Next the “Select Which Version of T.O.M. to Install” Screen will display. If this is a new install the screen will look like that in **Figure 1. 5a** and you should select the “Network - Workstation” button, if this is an upgrade see **Figure 1.5b** below.

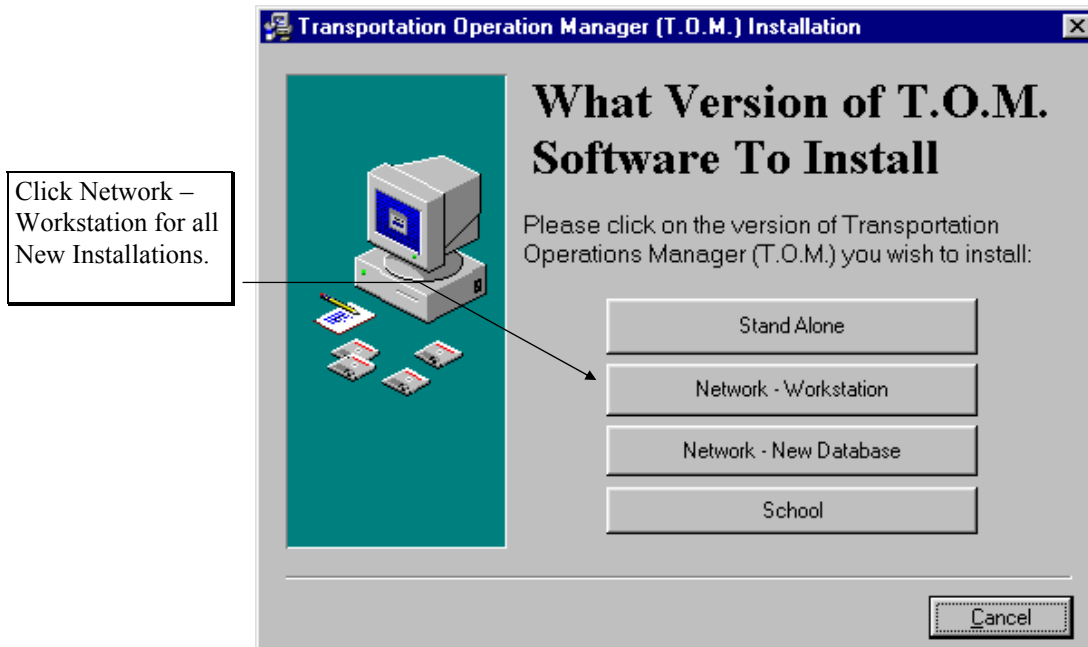


Figure 1. 5a- The ‘Which Version of T.O.M. to Install’ Screen – New Install

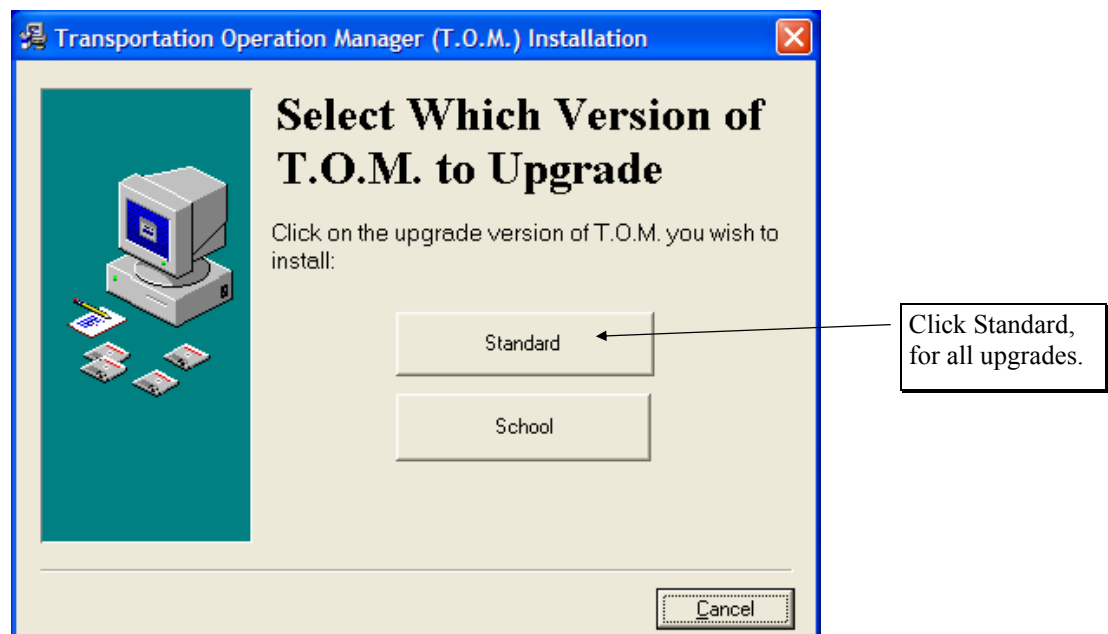


Figure 1.5b- The ‘Which Version of T.O.M. to Install’ Screen - Upgrade



9. Read and Click Next to any Warnings that display during the upgrade. Then the “Select Destination Directory” will display (**Figure 1.**). Normally, the setup program will try and determine which directory you have already installed T.O.M. on and use that directory (usually it will be ‘c:\trip’). If the setup program cannot determine what directory that T.O.M. was already installed to it will default with the path ‘c:\trip’.

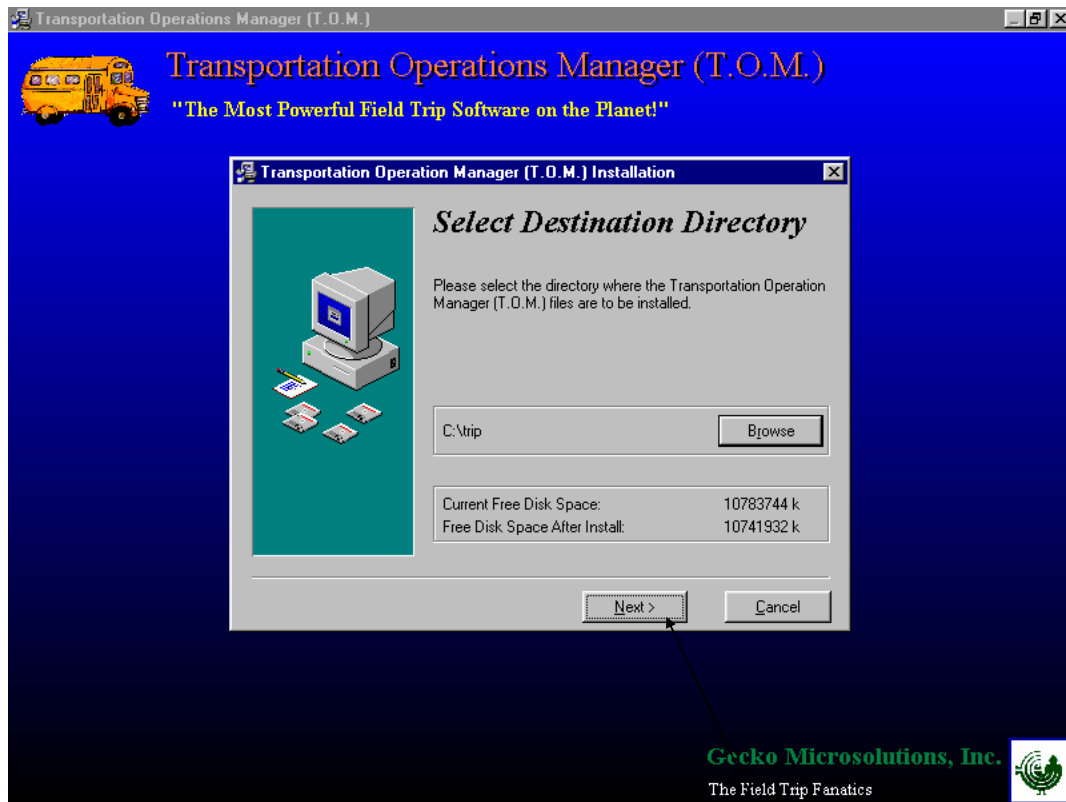


Figure 1. 6- Select Destination Directory Screen

Click the Next button to continue.



10. Next, the 'Ready to Install' screen appears asking if you are ready to begin installing the T.O.M. Software (**Figure 1. 6**). Click the 'Next' button to begin the installation process.



Figure 1. 6- The 'Ready to Install' Screen

Click the Next button to begin installing the T.O.M. Software.



Attaching to Your T.O.M. Database

- 11 The setup program will now automatically launch the Attach to T.O.M. Database utility which will display the Attach to T.O.M. screen (**Figure 1. 7**). As most of you know this utility allows you to tell your new T.O.M. software where the T.O.M. database that it will work with is. In an effort to make your lives easier this utility not only automatically launches after the setup is complete but it attempts to automatically attach to the last place you had your T.O.M. database (hence the new check box “Use Old Path”). However, if this is a new installation of the T.O.M. software there is no ‘old path’ information for T.O.M. to use and you **MUST UNCHECK** the ‘Use Old Path’ check box **BEFORE** you click the ‘Attach’ button. When you do this the “Browse for T.O.M. Database File” screen displays (**Figure 1. 8**). From here you must locate your T.O.M. Database file ‘Trip.mdb’, click on it and then click the ‘Open’ button.

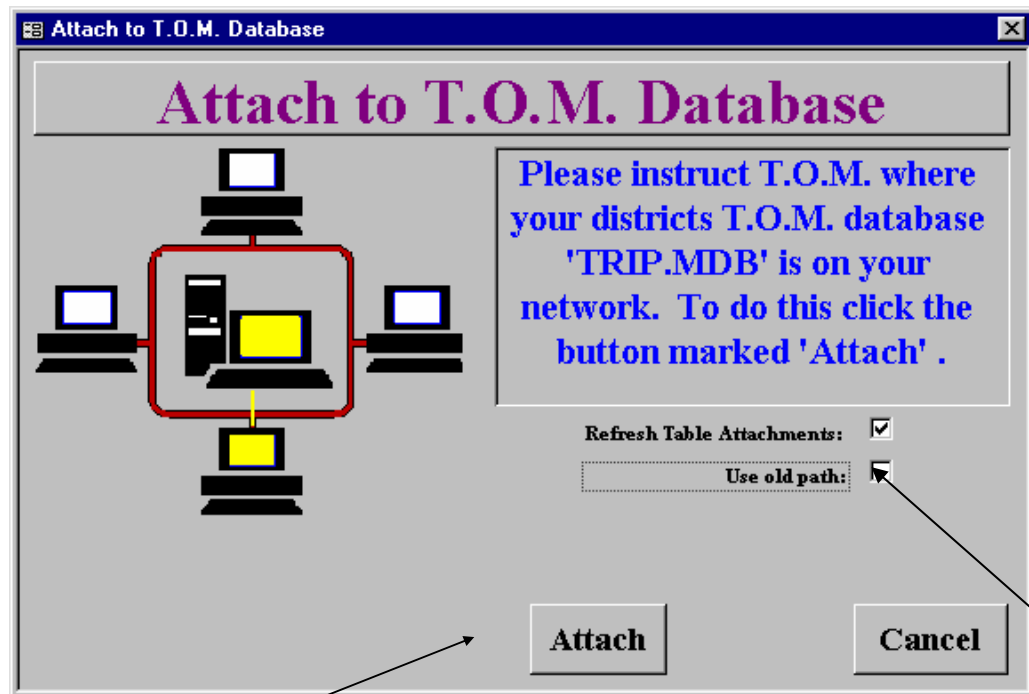


Figure 1. 7- Running The ‘Attach to T.O.M. Database’ Utility

Click the OK
button to
continue.

FIRST,
uncheck the
‘Use Old
Path’ check
box.

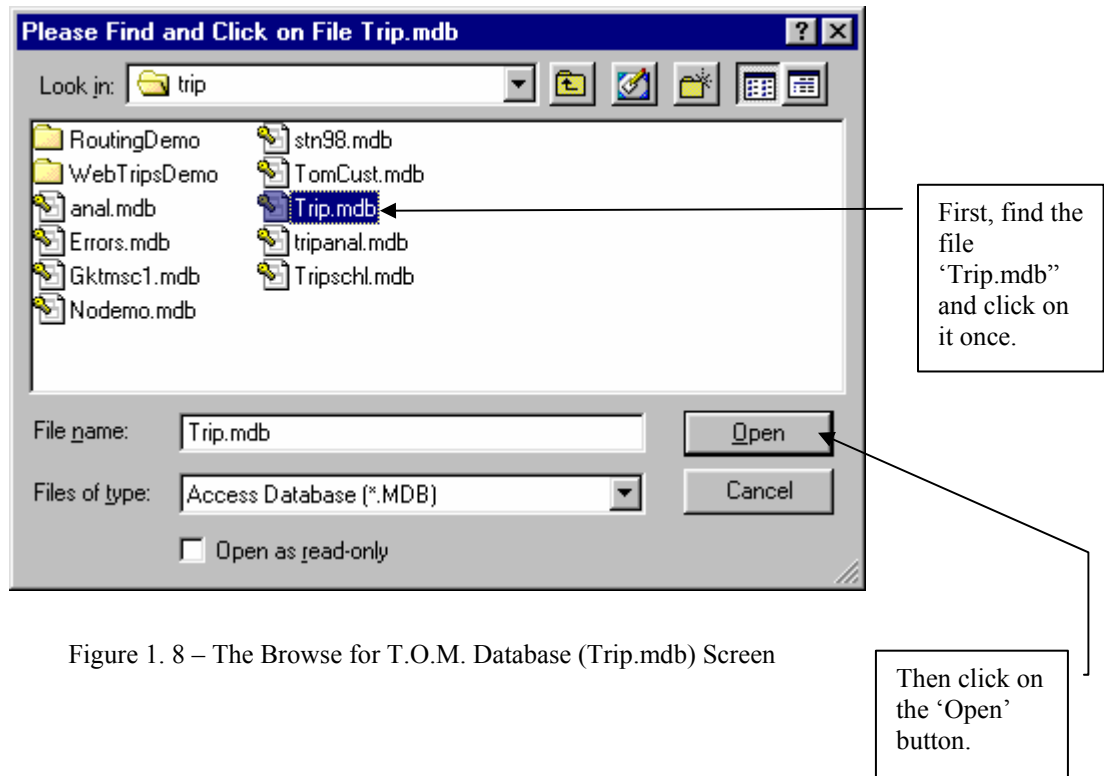


Figure 1. 8 – The Browse for T.O.M. Database (Trip.mdb) Screen

- 12 After awhile the 'Workstation Attached' screen displays (**Figure 1. 9**). Congratulations! You have now successfully installed T.O.M. 4.4.1 and attached to the database. Simply click the OK button and you are free to run T.O.M.. NOTE: The setup program may require that you reboot your computer to fully register all of the system files you have installed. After you have rebooted your computer you are free to run T.O.M. 4.4.1.



Figure 1. 9- The 'Workstation Attached' Screen

Click the OK button to continue.



Installing WebTrips on the Web Server

T.O.M. WebTrips is an IIS Application written in Microsoft Visual Basic. This installation assumes Microsoft Internet Information Server (IIS) 4.0 (or higher) Web Server Software is installed on the same machine T.O.M. WebTrips is being installed on. For more information refer to the system requirements for T.O.M. WebTrips.

1. Insert your T.O.M WebTrips CD into the web server's CD-ROM drive.
2. Click the Start button on the Windows taskbar, and choose the Run option, the Run screen is displayed (**Figure 1.10 - Launching the T.O.M. WebTrips Setup Wizard**).
3. Type d:\WTSetup in the Open field (**Figure 1.10 - Launching the T.O.M. WebTrips Setup Wizard**), where d is the CD ROM drive. Click the OK button.

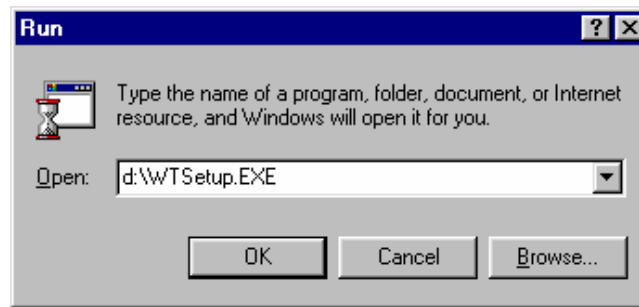


Figure 1.10 - Launching the T.O.M. WebTrips Setup Wizard

4. The Welcome screen is displayed, click the Next button.

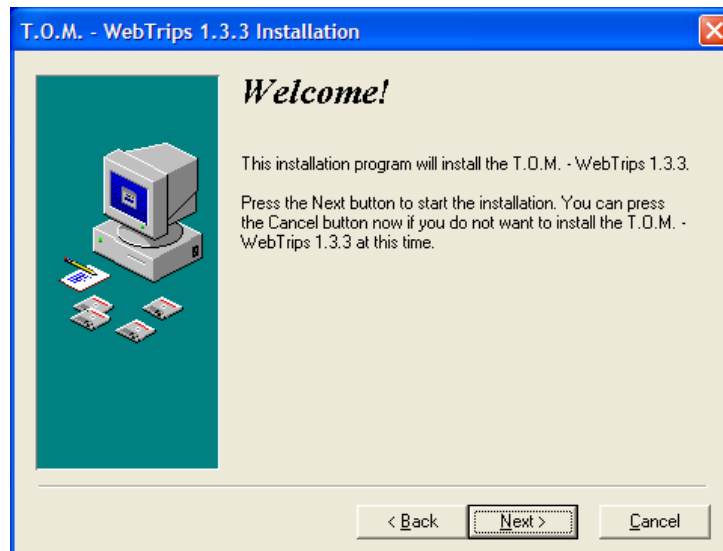


Figure 1.11 - Welcome Screen



5. Select the Destination Directory in the next screen (see **Figure 1.12 - Select Destination Directory**). Later in the installation you will create a virtual directory in IIS that points to the application directory specified here (see Configuring IIS). The WebTrips application directory defaults to c:\WebTrips\, to accept this installation directory click Next. To change this directory click the Browse button and point to the drive and folder where you would like for the WebTrips application to install. Click OK once you have selected the appropriate drive/directory, and click Next when you return to the Select Destination Directory window.

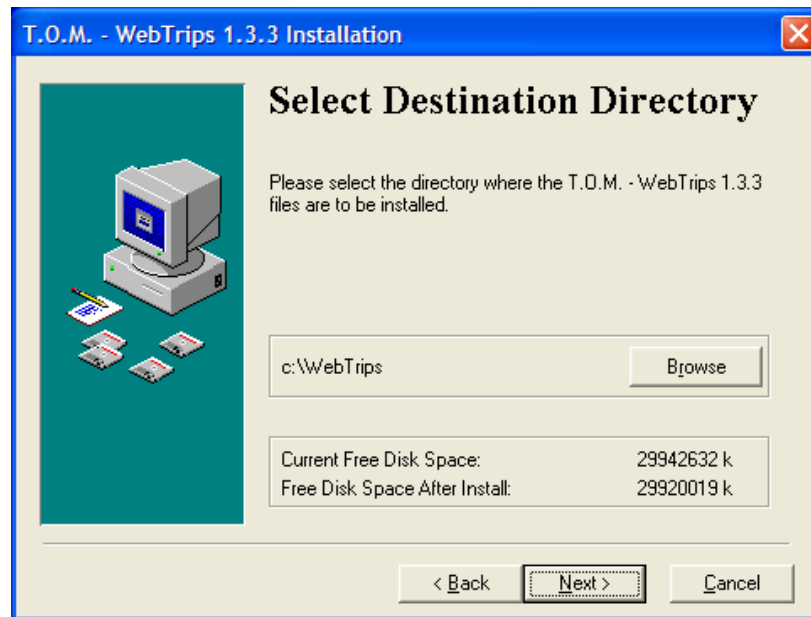


Figure 1.12 - Select Destination Directory

6. Click Next (**Figure 1.13 - Start Installation**) to begin the WebTrips installation.

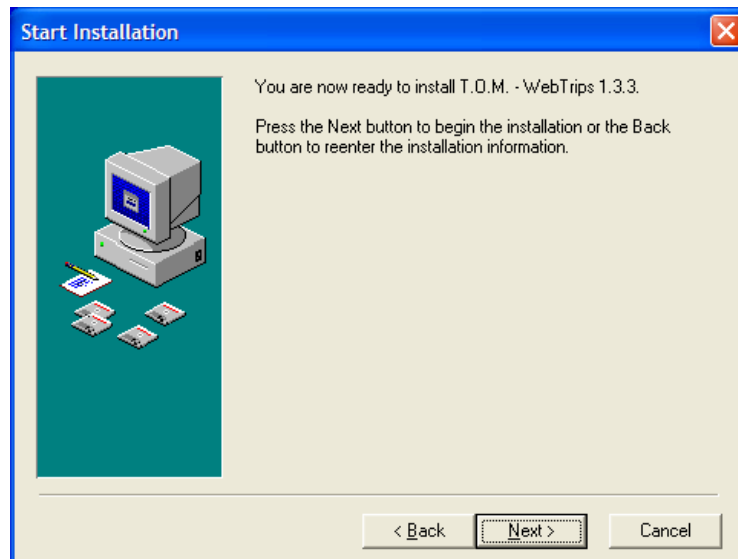


Figure 1.13 - Start Installation



7. WebTrips will install all of the required files and update the systems registry, when T.O.M. WebTrips has been successfully installed it will display the following screen, **Figure 1. 14 - Installation Complete**. Click Finish.

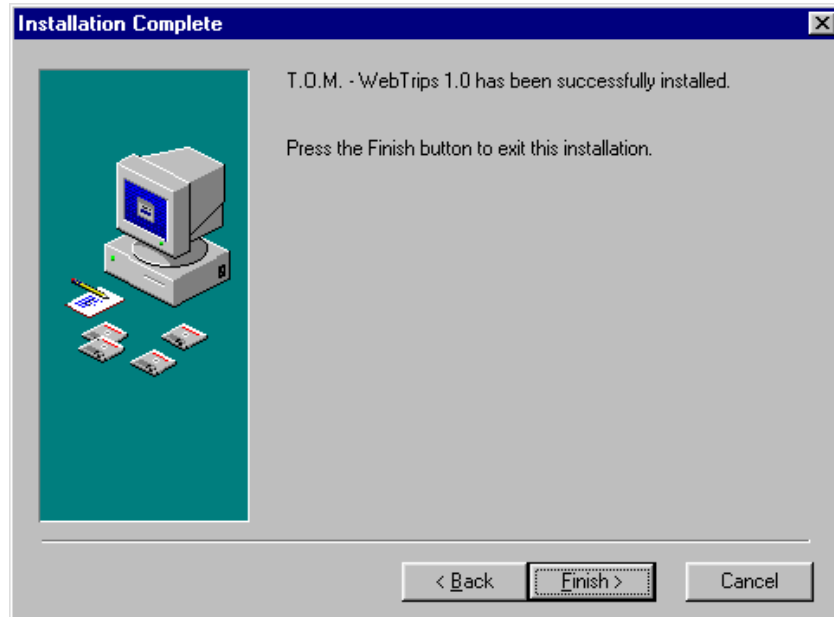


Figure 1. 14 - Installation Complete.

8. To ensure a clean installation, reboot the web server at this time.



Configuring IIS for the WebTrips Application

WebTrips requires IIS 4.0 or higher. The exact configuration will depend on your web server and the version of IIS you are running. In general you will 1. Create a virtual directory in IIS for the WebTrips application, 2. Provide an alias that users will use when pointing their browser to the WebTrips application, 3. Link the virtual directory to the application directory where you installed WebTrips (c:\webtrips\ by default), 4. Set the application to run in separate memory (as an isolated process) and 5. Set “webtrips.asp” as the default document.

Use the following as a guideline, the exact configuration will differ.

1. Open the Internet Services Manager.
2. Go to Internet Information Services, click on your server name to expand the directories underneath and click on your web site, the Default Web Site unless you know otherwise. Create a new Virtual Directory by right mouse clicking, selecting new in the pop-up menu and selecting Virtual Directory, see **Figure 1. 15 - Create Virtual Directory in IIS.**

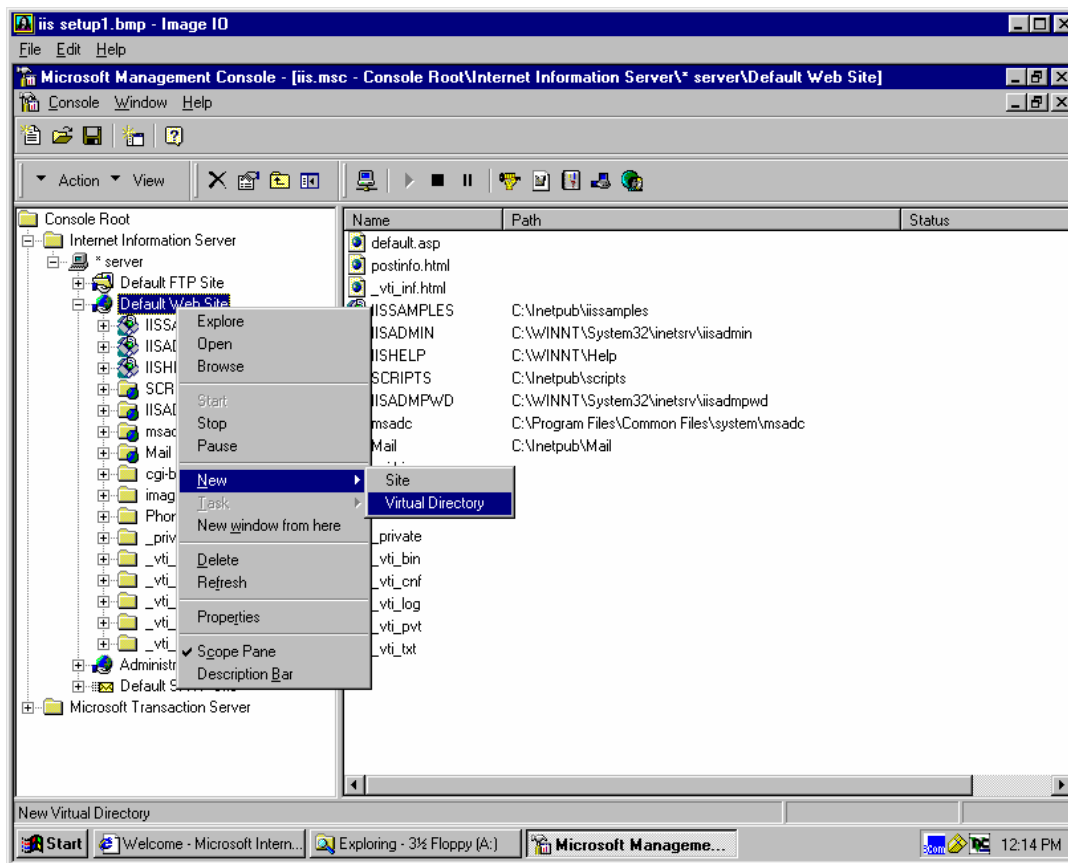


Figure 1. 15 - Create Virtual Directory in IIS.



- IIS Manager will bring up the Virtual Directory Creation Wizard, click Next to continue. The Virtual Directory Wizard will bring up a dialog asking you for a short name, or alias, for quick reference to the WebTrips application, enter “WebTrips” (without quotes) in the space provided and click Next. See **Figure 1. 16 - Alias to be used to access virtual directory.**

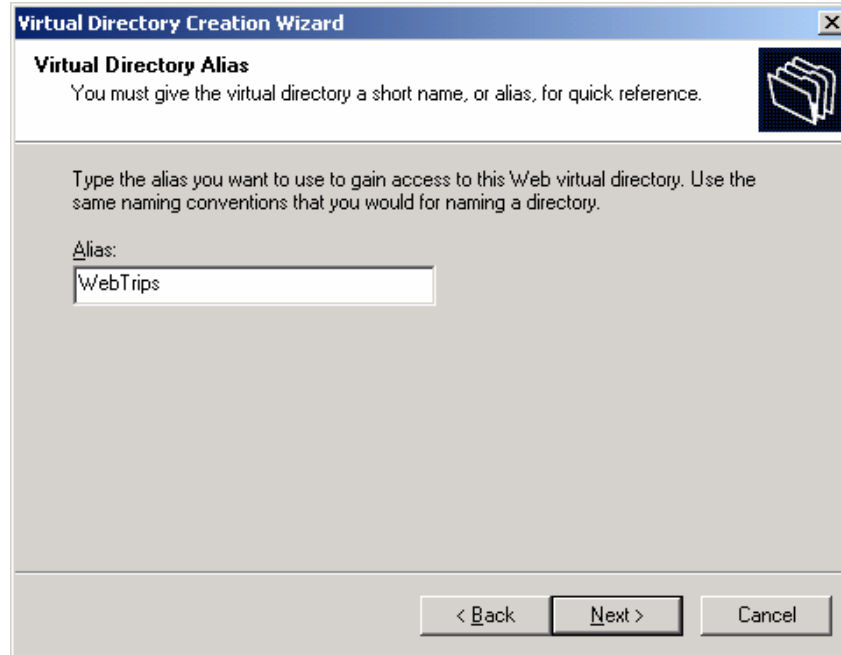


Figure 1. 16 - Alias to be used to access virtual directory.



- The Virtual Directory Wizard now asks you to point to the website content. Enter the physical path where WebTrips was installed (refer to the directory defined in **Figure 1.12 - Select Destination Directory**) in the space provided. To find the directory, click the Browse button and specify the drive and drill into the WebTrips directory.

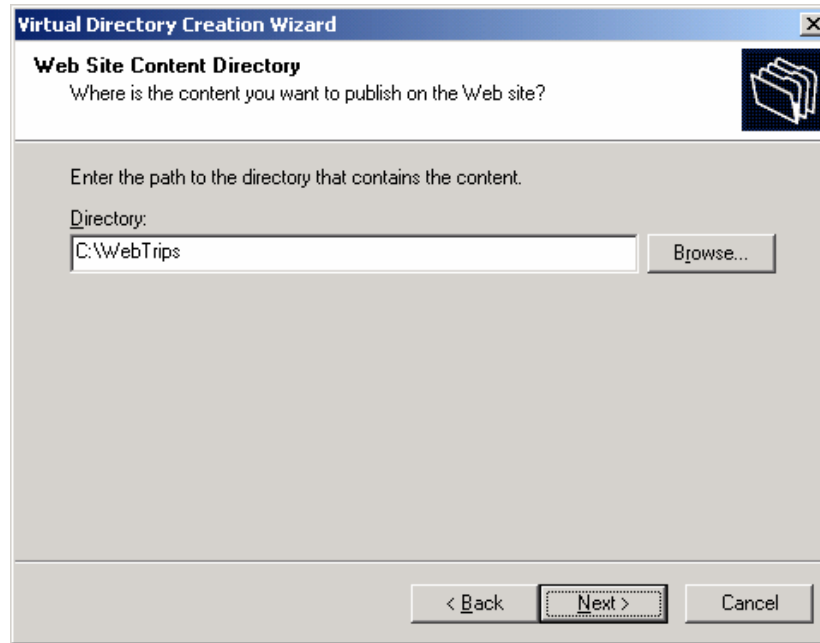


Figure 1. 17 - Point Virtual Directory to WebTrips application directory.

- Next you will need to define the access permissions for the virtual directory. Accept the default permissions, Allow Read and Run ASP Scripts. See

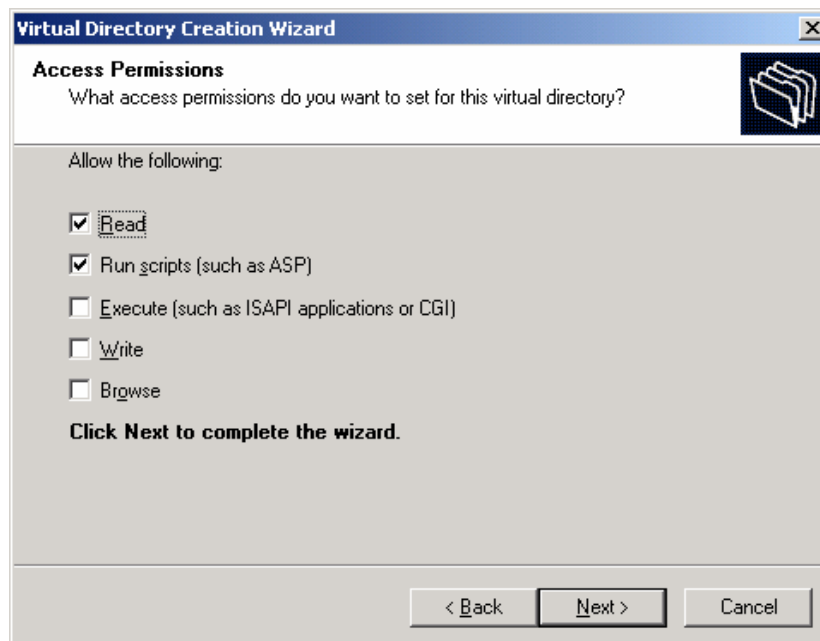


Figure 1. 18 – Define Access Permissions.



6. The Virtual Directory Wizard will bring up a dialog signifying the virtual directory has been created. Click “Finish” and you will be returned to the IIS Management Console.

Edit the properties of the WebTrips virtual directory. Select WebTrips from the “Explorer” style list under the Default Web Site of your web server. Right mouse click and then select Properties from the pop-up menu.

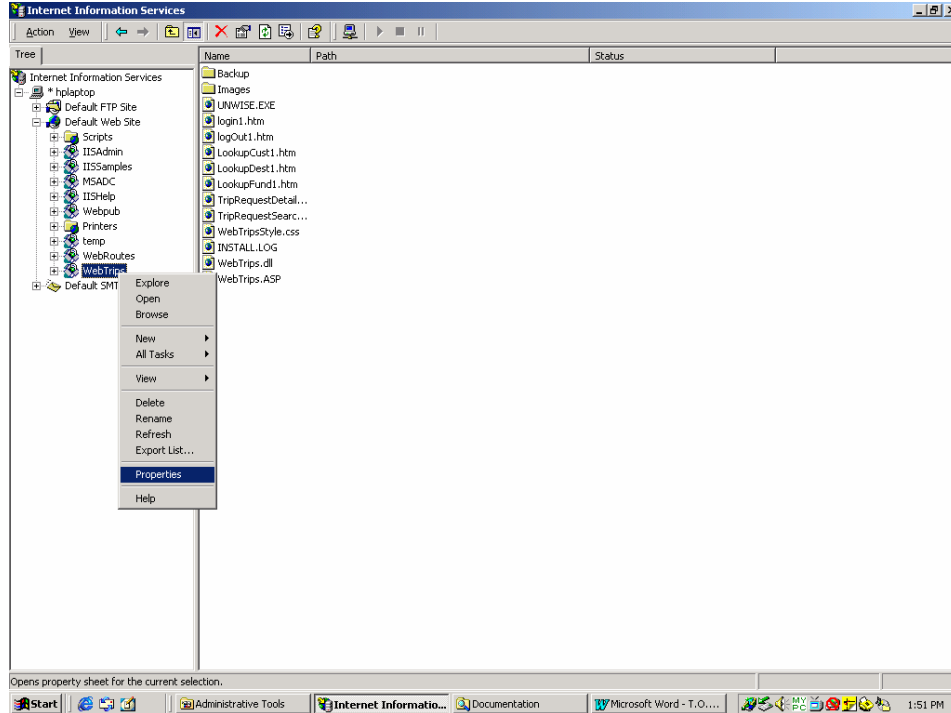


Figure 1. 19 – Edit WebTrips Properties.



7. In the “Virtual Directory” tab, accept the defaults AND if provided check the box in front of “Run in separate memory space (isolated process)”.

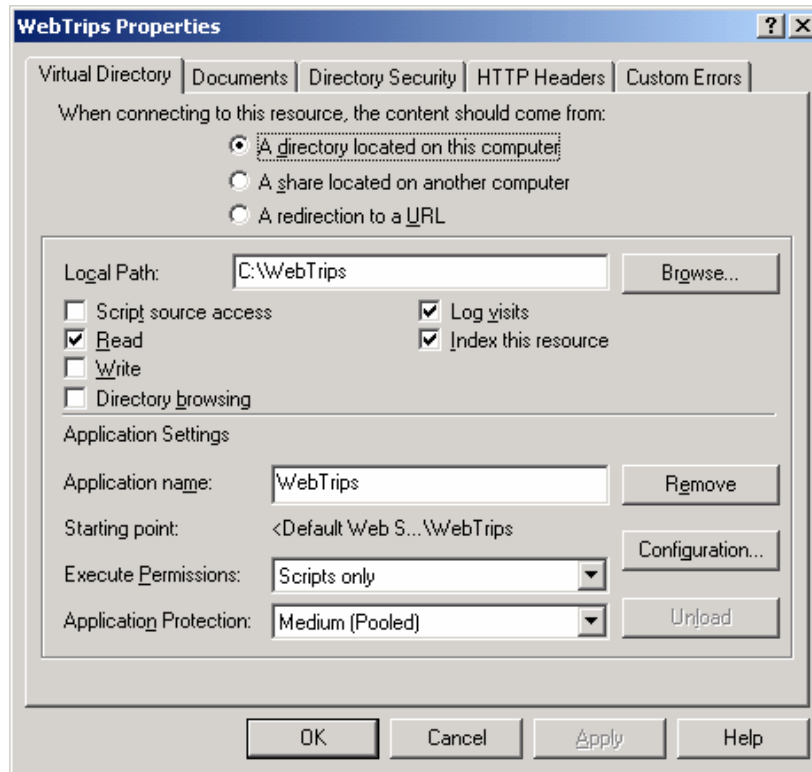


Figure 1. 20 – Virtual Directory Properties.

8. Click on the “Documents” tab and add WebTrips.asp to the list of default documents. Click Add, a dialog box will come up and ask for the Default Document Name, type in WebTrips.asp in the space provided. Click OK.

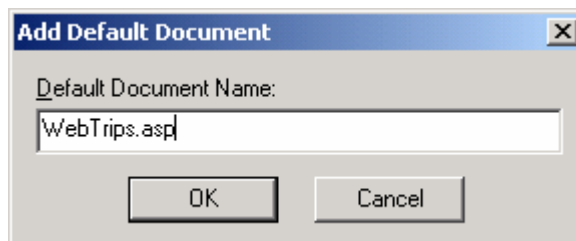


Figure 1. 21 – Adding a Default Document in WebTrips Properties.



9. You will return to the Documents tab of WebTrips Properties, the document name WebTrips.asp will appear at the bottom of the list of default documents, select it and click on the up arrow on the left hand side to move the document to the top of the list of defaults. See **Figure 1. 22 – Adding a Default Document in WebTrips Properties.**

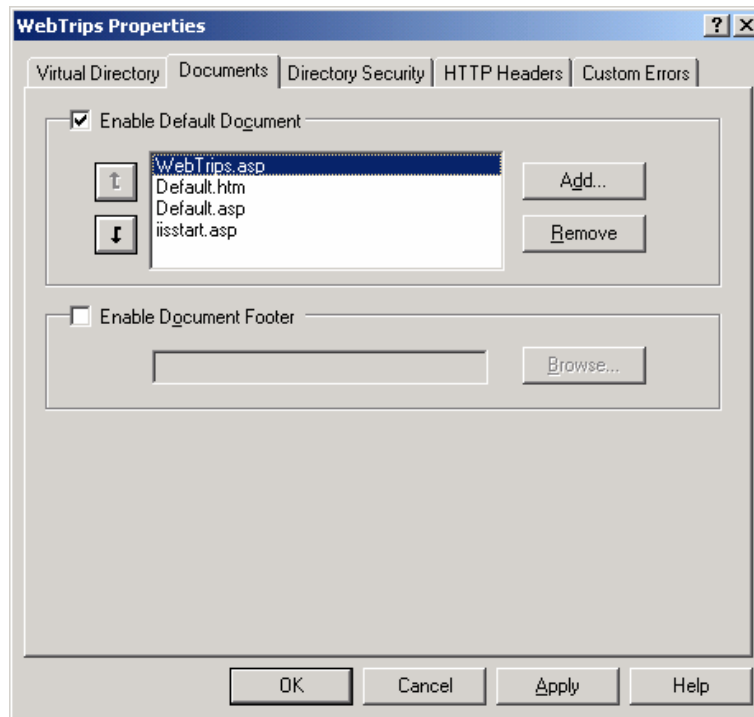


Figure 1. 22 – Adding a Default Document in WebTrips Properties.

10. Click “Apply” and “OK” to save changes and close the WebTrips properties dialog.

You should now be able to test the WebTrips application through a browser. Type in the web server’s domain name or IP address and the /WebTrips/ directory. The default WebTrips.asp page should be found and should launch the server scripts to begin the application



Customize your WebTrips web pages

1. Save your district logo to the webtrips application directory under the \images\ subdirectory.
2. Call the logo, distlogo.bmp. When the webtrips application is launched, it will pull up and display your logo.
3. T.O.M. WebTrips uses several .htm files which you can be customize, all pages are in installed in the \webtrips\ application directory. Always make a backup before making any changes.