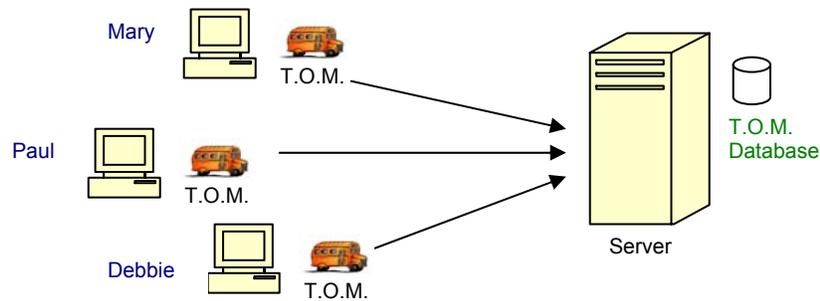




**Overview:**

In general the basic concept is that your T.O.M. Field Trip Administration Software will be running on your server instead of on each user's workstation. Microsoft Terminal Server / Remote Desktop will then enable your various T.O.M. Users to run the software from there workstations as if it is on their desktop.

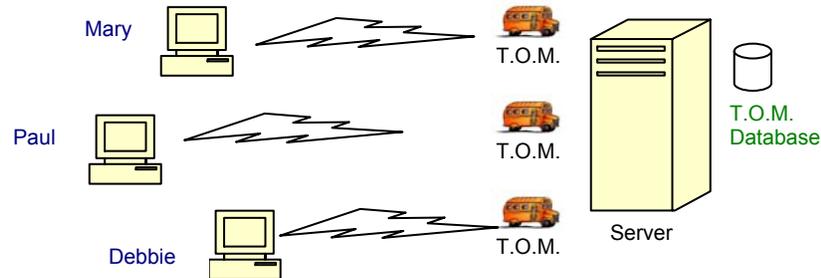
An important point to understand is that the T.O.M. Field Trip Administration Software was developed in Microsoft Visual Basic for Applications (VBA) and is 'housed' in a Microsoft Access 2000 database. The normal way that the T.O.M. Field Trip Software is deployed is the software database is installed on each user's workstation and is pointing to and working with a master set of data databases residing on your server (see figure 1). When you run the T.O.M. Field Trip Administration Software workstation setup program not only is the field trip software database installed on the workstation but also a run time copy of MS Access 2000. By installing the run time for MS Access 2000 this enables a workstation to run the T.O.M. Field Trip Administration software WITHOUT having a copy of MS Access 2000.



*Figure 1 – Standard Deployment of T.O.M. Running on a LAN*



When you run your T.O.M. Field Trip Administration Software using MS Terminal Server / Remote Desktop you are actually loading a copy of the T.O.M. of the T.O.M. Field Trip software for EACH workstation that will be running the software via MS Terminal Server / Remote Desktop (see figure 2).



*Figure 2 – Thin Client Deployment of T.O.M. Running on a WAN – using MS Terminal Server / Remote Desktop*

The best way to do this is to run the T.O.M. Field Trip Administration Software Setup program once. This will both install the T.O.M. Field Trip workstation software as well as a copy of the MS Access 2000 Runtime. Now that you have a copy of the MS Access 2000 Runtime you do NOT need to install any more copies of that software for additional T.O.M. Field Trip Software Users. However, you DO need to install a copy of the T.O.M. Field Trip Workstation software for each additional user that is going to run the T.O.M. Field Trip software via MS Terminal Server / Remote Desktop.

You have two different ways to install the T.O.M. Field Trip Software for additional users on your server:

1. Simply run the T.O.M. Field Trip Software Setup program multiple times for each user that you want to have the ability to run the software. NOTE: You must install the software in each user's MS Terminal Server / Remote Desktop user folder (see section titled 'Detail Notes on Individual User Install) for more information.) This will NOT install multiple copies of MS Access 2000 Runtime. The setup program will simply skip this step.
2. Simply copy the folder that contains the T.O.M. Field Trip Software from the original workstation setup to each user's individual MS Terminal Server / Remote Desktop folder. Then create a set of shortcuts for that user's Windows profile on MS Terminal Server / Remote Desktop using the original shortcuts as guides making note that they point to that particular user's copy of the software databases (See section marked 'Detail Notes on Individual User Install' for more information below).



### **Detail Notes on Individual User Install**

TS = Terminal Service / Remote Desktop

To increase data access speed, create a shared folder (shared for non-terminal service access user) on TS server and copy the TOM database to this folder.

1. In non-application server mode, install T.O.M. to your TS server. Remember to attach to T.O.M. database using this user account.
2. Using the user account in step 1, make sure that T.O.M. is operating correctly. Proceed to step 3 if T.O.M. is functioning properly.
3. For all users that will be accessing T.O.M. via the TS server, log each user into TS server. This will create a user folder for each user in the “Document and Settings” folder.

If your TS server has policy enforced that will only allow admin accounts to install software, go to step 4 otherwise go to step 8.

4. Copy the “\TRIP” folder from the user account in step 1 to each T.O.M. user in the root directory of the user’s folder in the “Documents and Settings” folder.
5. Copy the “TRIP.INI” file located in the “WINDOWS” folder of the user in step 1 to the “WINDOWS” directory of each T.O.M. user.
6. Modify the username of the “TRIP.INI” file to reflect the correct username of that folder.

### **EXAMPLE**

#### ***“ORIGINAL SECTION OF TRIP.INI FROM USER IN STEP 1”***

SystemDB = C:\DOCUMENT AND SETTINGS\corks\TRIP\system.mda  
UtilityDB=C:\DOCUMENT AND SETTINGS\corks\TRIP\utility.mda

#### ***“NEW SECTION OF TRIP.INI for T.O.M. USER MENTION IN STEP 3”***

SystemDB=C:\DOCUMENT AND SETTINGS\newuser\TRIP\system.mda  
UtilityDB=C:\DOCUMENT AND SETTINGS\newuser\TRIP\utility.mda



7. For each T.O.M. that is setup manually create the following shortcut for the user's desktop or configure TS to auto launch T.O.M.:

**TARGET:**

"C:\Program Files\Access 2000 Runtime\Msaccess.exe" /excl /runtime /profile  
"Transportation Operations Manager (T.O.M.)" /wrkgrp "C:\Documents and  
Settings\corks\TRIP\System.mdw" "C:\Documents and  
Settings\corks\TRIP\tripcode.mde"

**START:**

"C:\Documents and Settings\corks\TRIP"

**NOTE: If creating a shortcut from the desktop of the TS user's desktop, beginning and ending " are required.**

IF your TS server has no POLICY enforced allowing non-admin users to install software, you should be able to install T.O.M. via its setup program. Logging in as each T.O.M. user and running the setup program should correctly install T.O.M. as you did in step 1.

8. Log in as a non-configured T.O.M. user and install T.O.M.
9. Attach to T.O.M. database.
10. To auto start T.O.M. from TS server use the information from step 7 above.

**EXTRA ITEMS**

If you installed T.O.M. manually, shortcuts to the other T.O.M. Utility Options (Attach, T.O.M. Tools, Restore T.O.M. Database) will need to be created if needed. You can copy and modify the shortcut path's from the user in step 1.