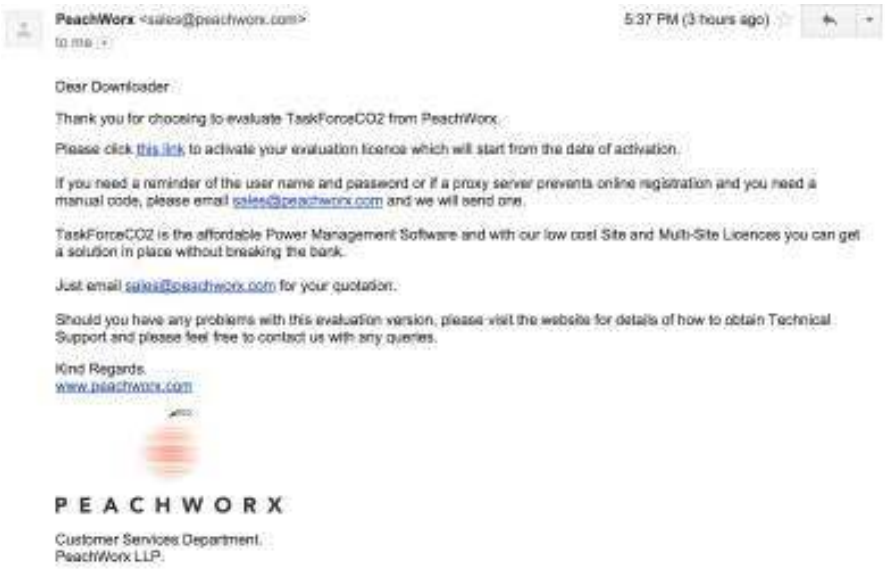
TaskForceCO2 Quick Start Guide

TaskForceCO2 is a server program that should be installed on a server with access to all the remote PCs.

START HERE

Congratulations! Thank you for downloading a copy of TaskForceCO2. After your TaskForceCO2 program is downloaded from www.peachworx.com, your licence will be emailed to the email address supplied.

Click the link provided in the email to verify your email address and password and be able to start using TaskForceCO2. If the link in your email cannot be accessed, please contact sales@peachworx.com where our Customer Support will register your licence for you.



PeachWorx <sales@peachworx.com> 5:37 PM (3 hours ago)
to me

Dear Downloader

Thank you for choosing to evaluate TaskForceCO2 from PeachWorx.

Please click this link to activate your evaluation licence which will start from the date of activation.

If you need a reminder of the user name and password or if a proxy server prevents online registration and you need a manual code, please email sales@peachworx.com and we will send one.

TaskForceCO2 is the affordable Power Management Software and with our low cost Site and Multi-Site Licences you can get a solution in place without breaking the bank.

Just email sales@peachworx.com for your quotation.

Should you have any problems with this evaluation version, please visit the website for details of how to obtain Technical Support and please feel free to contact us with any queries.

Kind Regards.
www.peachworx.com

PEACHWORX

Customer Services Department.
PeachWorx LLP.

Before you can start using the TaskForceCO2 program you need to be logged on as the administrator. This process is necessary to verify that you have the full rights to read and write to the system directory of the remote PCs.

IMPORTANT

- Right click and select 'Run as Administrator' when installing and when running.

When Installing and running TaskForceCO2 ALWAYS Right Click and 'Run as Administrator' as well as being logged directly onto the PC or Server you are installing on (essential rights can be diminished through Terminal Services etc.) and also be logged on with sufficient privileges to Read AND Write to the System Directory of the Remote PC.

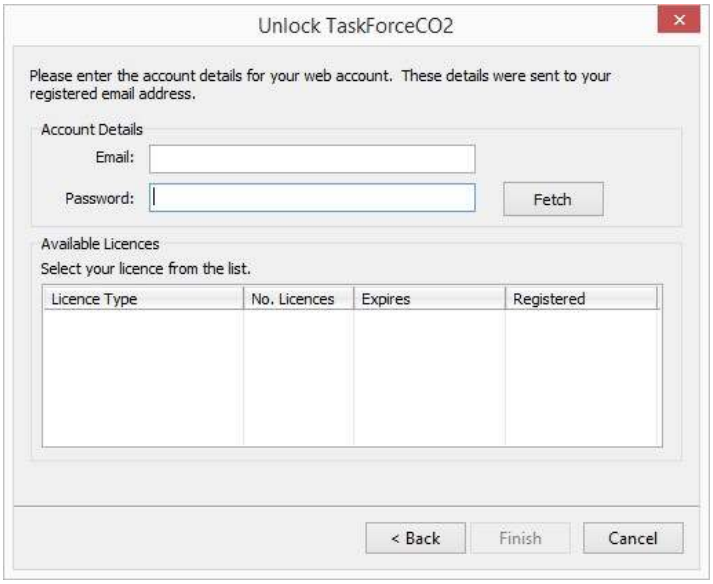
We recommend for convenience that you alter the settings to your Desktop Icon in order to always 'Run as Administrator'.

You can do this by
Right clicking your TaskForceCO2 Icon, select 'open file location'
Right click on 'TaskForceCO2 Console'
Select 'Properties'
Click the 'Advanced' button
Check 'Always Run as Administrator' followed by 'Ok'.
Each time you run TaskForceCO2 after this you will automatically 'Run as Administrator'

INSTALLATION

Following installation of the program you will need to register by inputting the login details that you entered when you downloaded the software which consist of the email address you used and the password you entered.

If you have difficulties registering online, perhaps due to proxy servers, contact support@peachworx.com for a manual code. This will enable you to register by entering an approval code.



CONFIGURATION

After you have successfully registered, you will be directed to the Configuration Wizard.



In this section you chose ‘How to Find PCs’ along with setting up how you want the clients installed on remote PCs.

Step 1. Enumerate the PCs.

You can select either to enumerate the PCs by :-

- Active Directory
- Network Neighbourhood
- Range of IP Addresses to scan

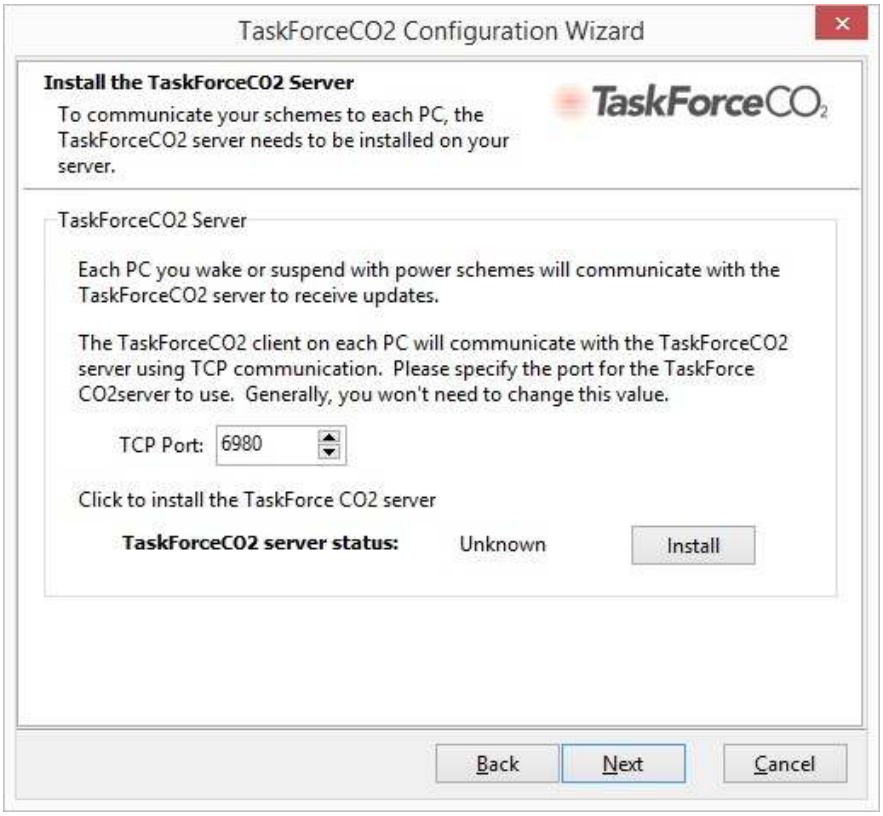
The most popular method is to enumerate by Active Directory. This will bring all your PCs into a General Group in order for you to arrange by your power management requirements, unless you select to bring down your Organisational Units in which case only Organisational Units with PCs in them will be brought down.

It is likely that your power management requirements will not follow that of general OUs. For instance, most users do not want to install TaskForceCO2 on their servers so it is common to make a TaskForceCO2 group called ‘Servers’ and move all servers to that group and not apply any power schemes to them.

TaskForceCO2 lets you apply power schemes to groups so again users typically group their PCs by the power scheme they want to apply to the group.

Step 2. Install the Server Service.

The next stage is to install the server service. The server service will operate in the background in order for you to shut down the console after the clients are installed.



Once the Server Service is installed by clicking the 'install' button you can decide how to install the clients on the remote PCs.

Step 3. Configure Client.

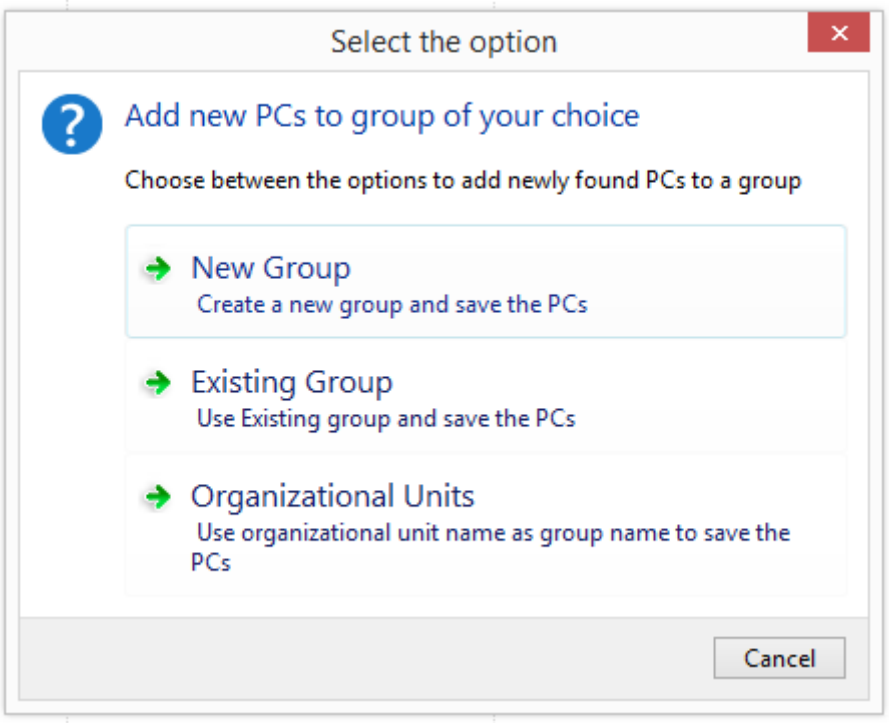
Selecting to Install Automatically is the best way to ensure that the Client is installed.

As and when the console talks with the remote PCs it will attempt to install the client. It will not do anything until you assign a Power Scheme but it means that TaskForceCO2 can work its way through the list of PCs and install the small client.

If the remote PCs are switched off then TaskForceCO2 will make a note to retry at a later date.

Every time you have a new PC, this function will immediately discover and install TaskForceCO2 on each new PC.

Step 4. Choose how to bring down your PCs.



Decide how you want to import your PCs.

You can either :-

Bring Down PCs into a New Group and Name the Group

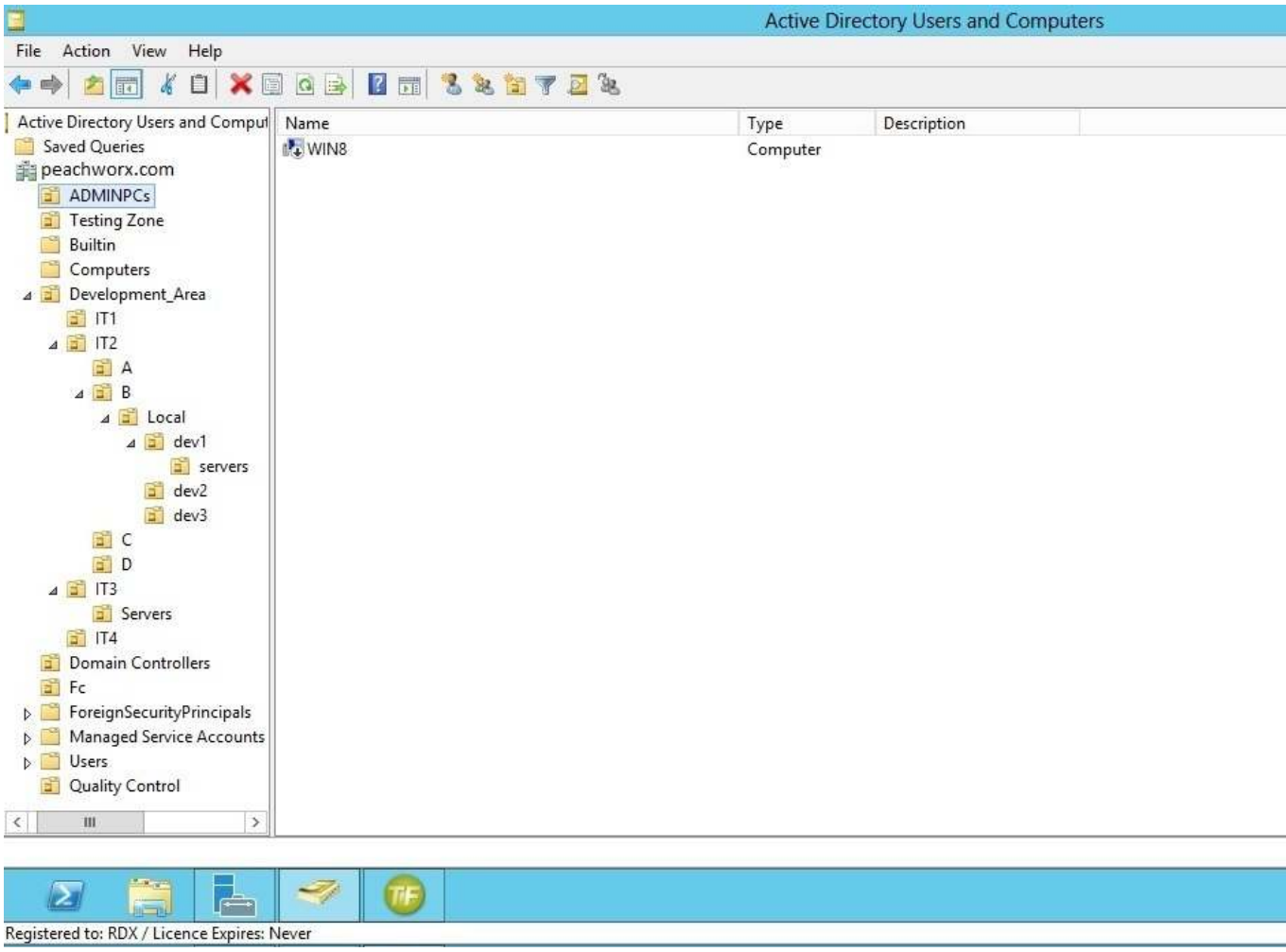
Bring Down PCs into an Existing Group (if you are already using TaskForceCO2)

Bring Down PCs into your Organisational Units from your LDAP.

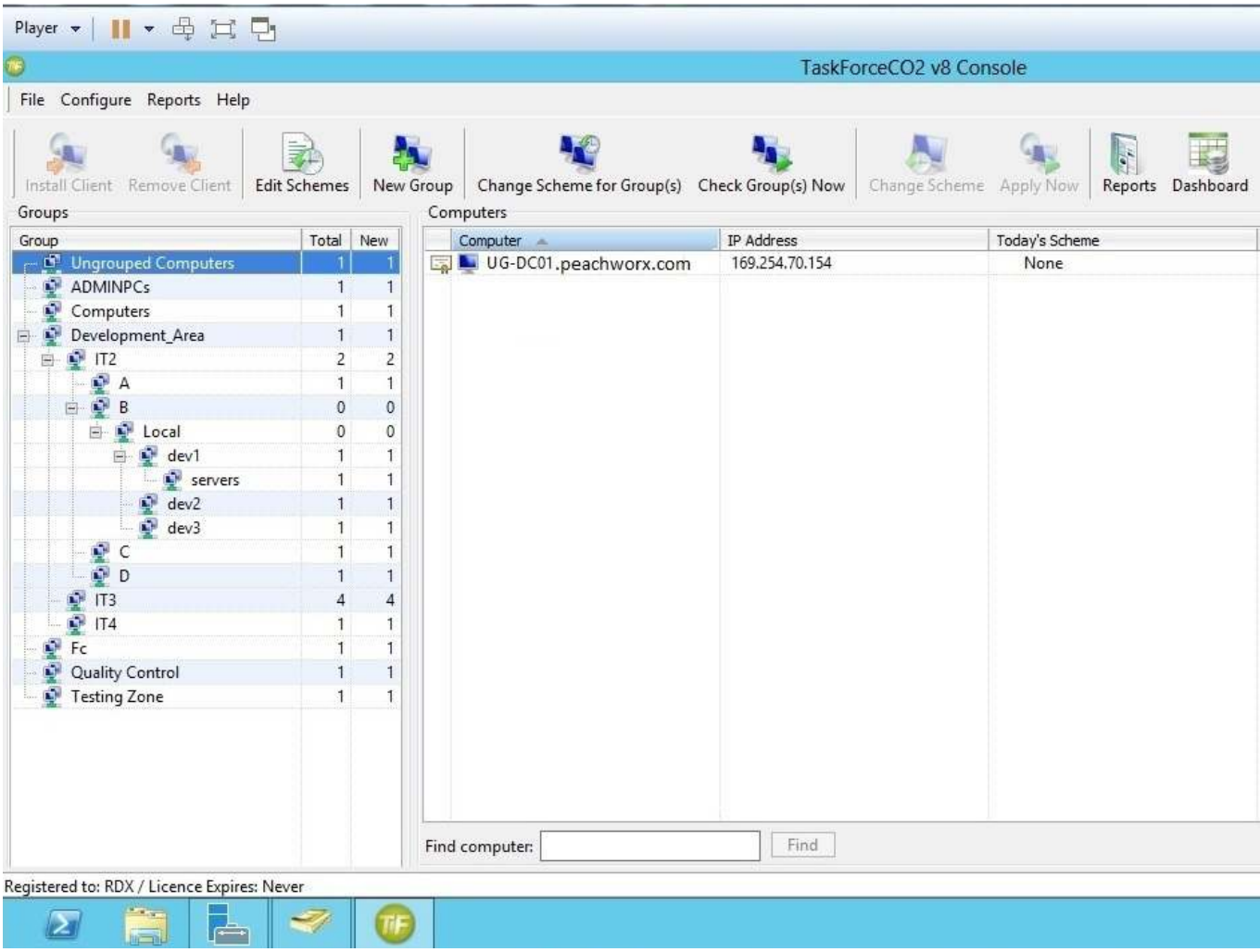
If you decide on the latter TaskForceCO2 will only bring down OUs that contain PCs as it is only PCs that TaskForceCO2 is concerned with.

The following Rules Apply to the Organisational Units Structure in TaskForceCO2 Version 8

Organisational Units Structure as shown on Windows Server editions.



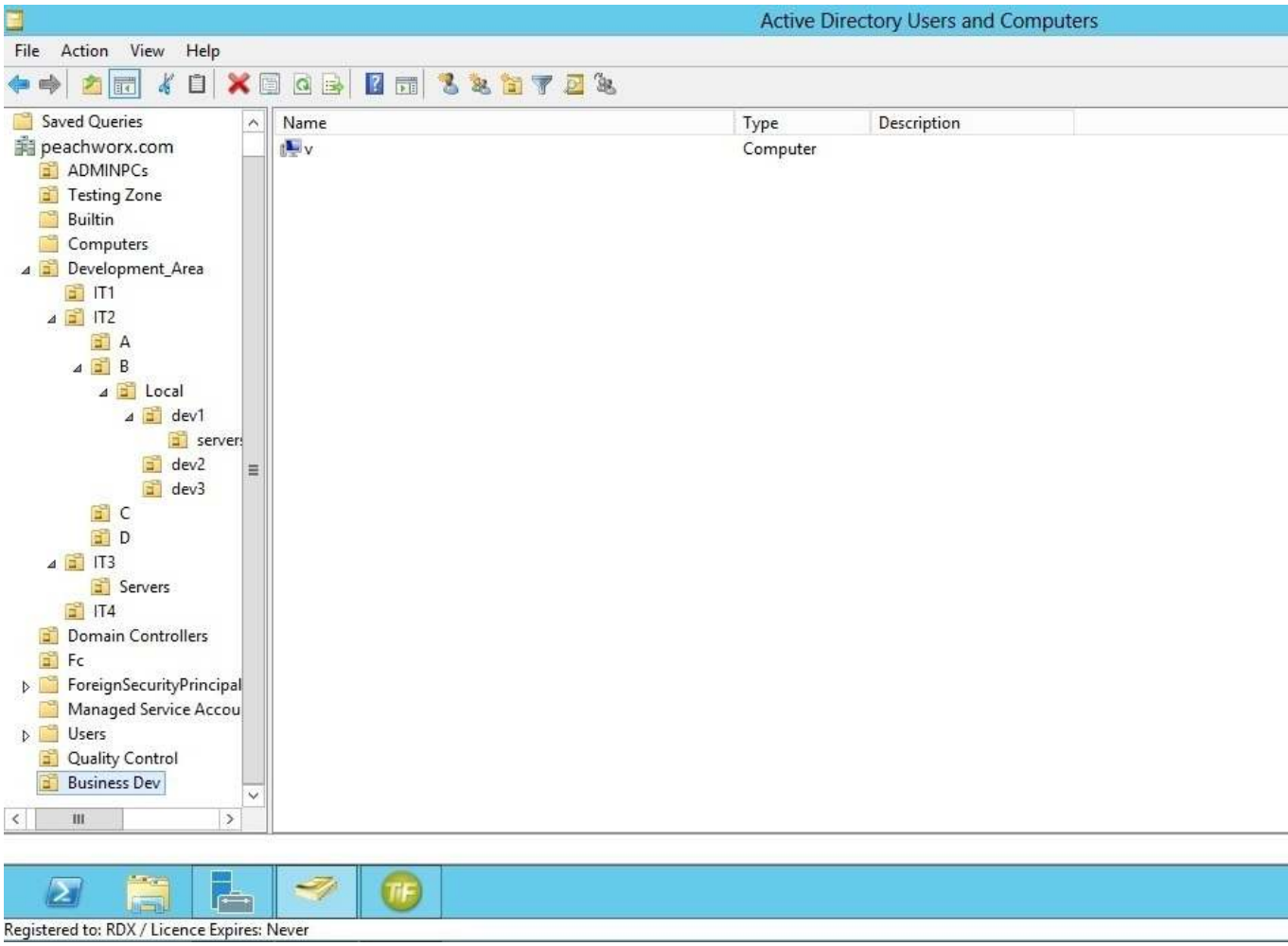
Organisational Units Structure as shown on TaskForceCO2 Version 8.



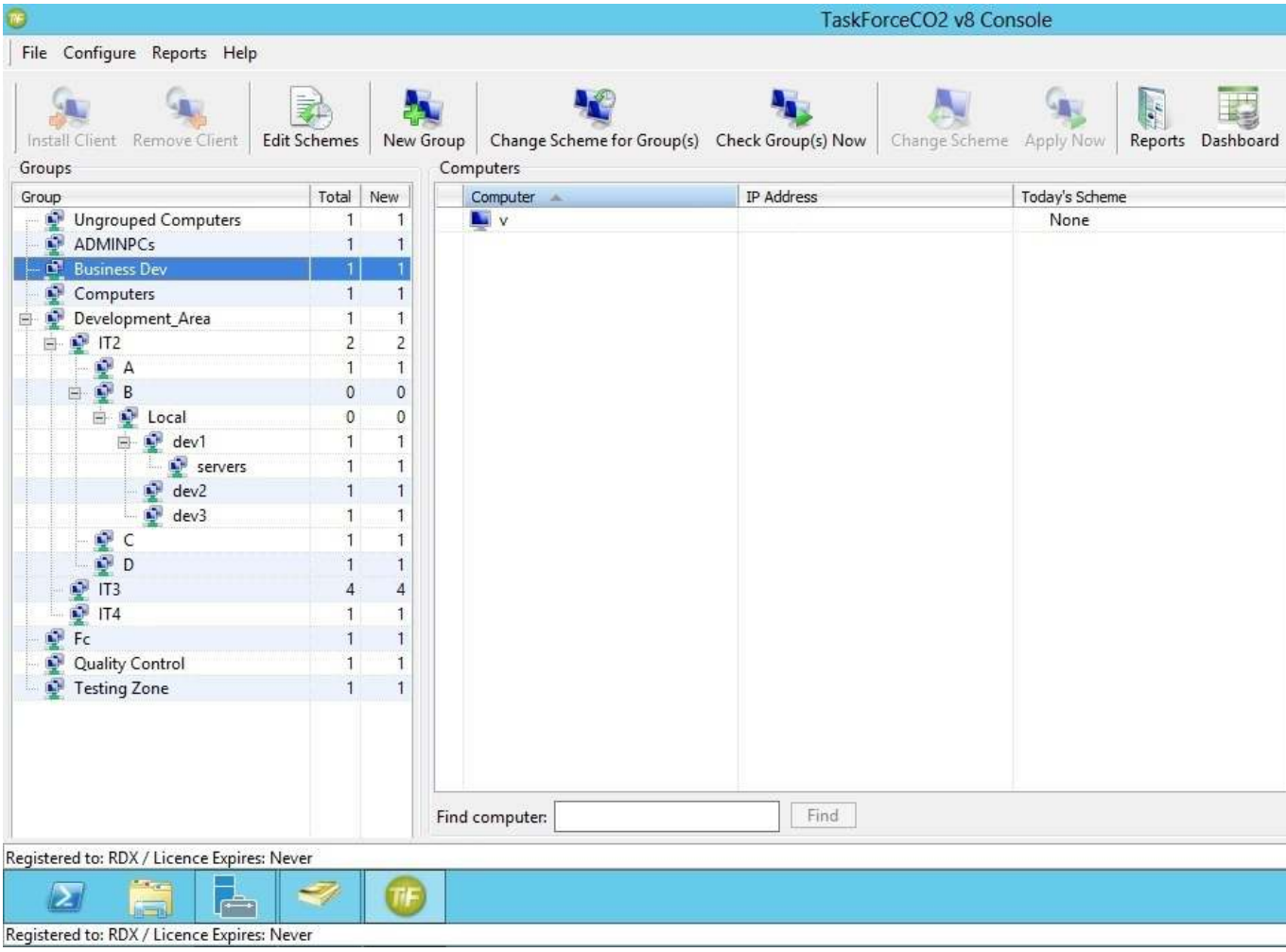
Here the IT1 Organisational Unit is not shown as there are no PCs in it.

Addition, Deletion and Renaming of OUs on the server.

If a new OU is created on the Windows Server with a computer in it for example OU ‘Business Dev’ is created with a PC named ‘v’ in it as shown in the snapshot below:



Now if we use TFCO2 LDAP search option using ‘*find new PCs*’ or ‘*find all the PC’s* (the options available in TaskForceCO2) we will get the new OU group with the PC listed in it as shown below:



If we delete the PC ‘v’ from the Server, now on the LDAP search the OU ‘Business Dev’ with PC ‘v’ in it will still be shown in TaskForceCO2 as the details from database are still there.

This is because the console is not a copy of LDAP as you can add and delete groups and move PCs around in accordance with your Power Management requirements.

To delete that OU group i.e. ‘Business Dev’ you will have to manually delete that group from TaskForceCO2.

By being able to download all your OUs you do not have to create all new groups if you do not want to but once you start adding additional groups and moving PCs you no longer have an exact copy of LDAP.

If you wanted to shadow LDAP you could just bring down all the PCs in the LDAP OU

format. At any point that you searched for new PCs they would appear in the OU that they appear in LDAP.

If new PCs are present in a group they are shown in the column next to the Group Name and Total PC Count.

Drag and Drop feature of current tree structure.

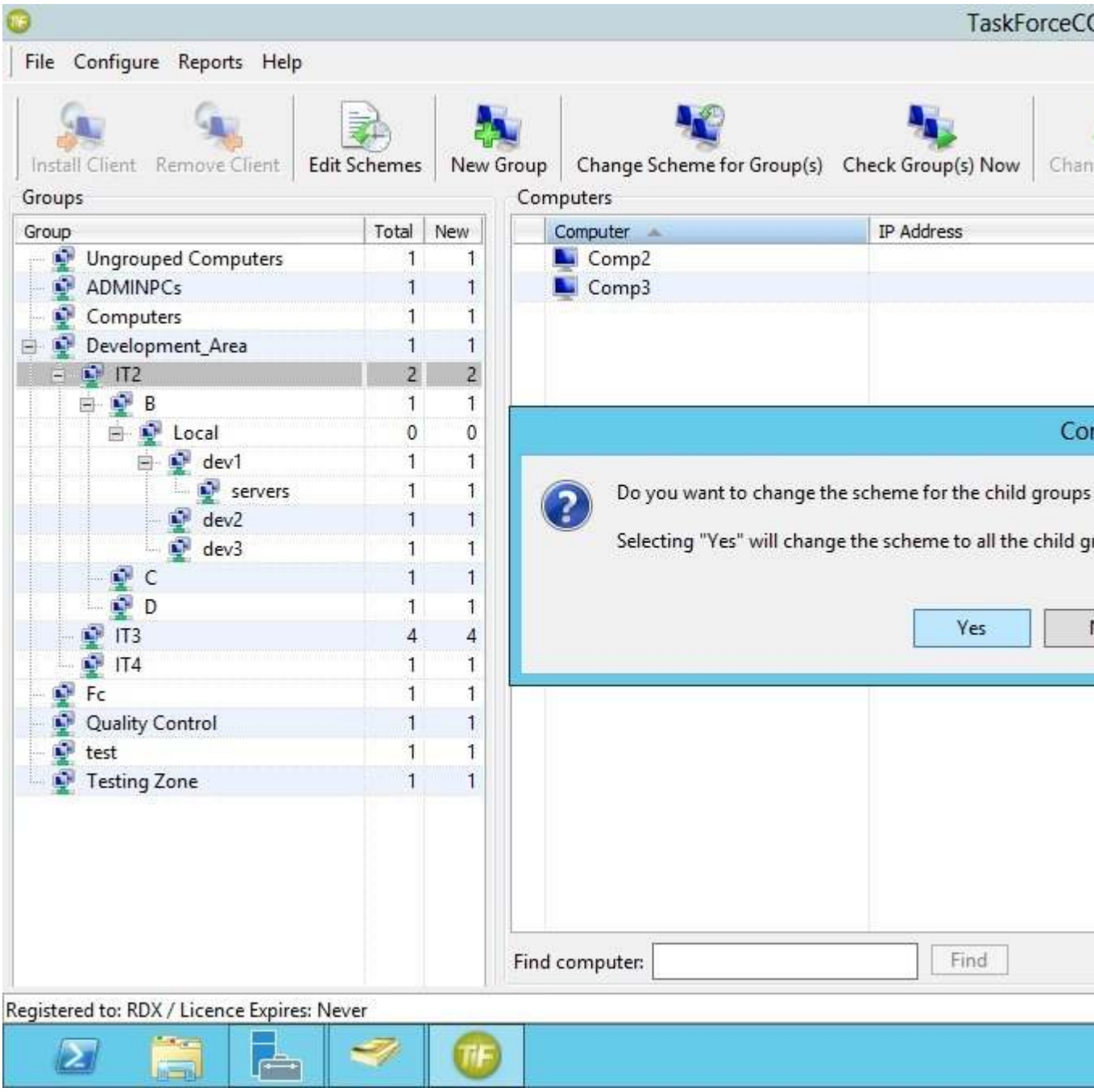
Currently TaskForceCO2 supports dragging of PCs and dropping into the desired OU.

If you drag a PC from one OU to another OU not all the schemes applied to that PC originally will be changed until you apply a fresh new scheme for the entire new OU (or use the apply now function). For instance if you have 1 PC called ‘aa’ in the OU ‘A’ and drag it to the OU ‘B’ it will not have the Scheme relevant to OU ‘B’ on it until you re check the Group and apply a new scheme to the group.

Now if you delete the empty OU ‘A’ from the TaskForceCO2 console , upon LDAP search for OUs and PCs, OU ‘A’ will not be returned because it is empty as you have moved the PC to OU ‘B’.

Applying schemes to OUs in the Tree structure

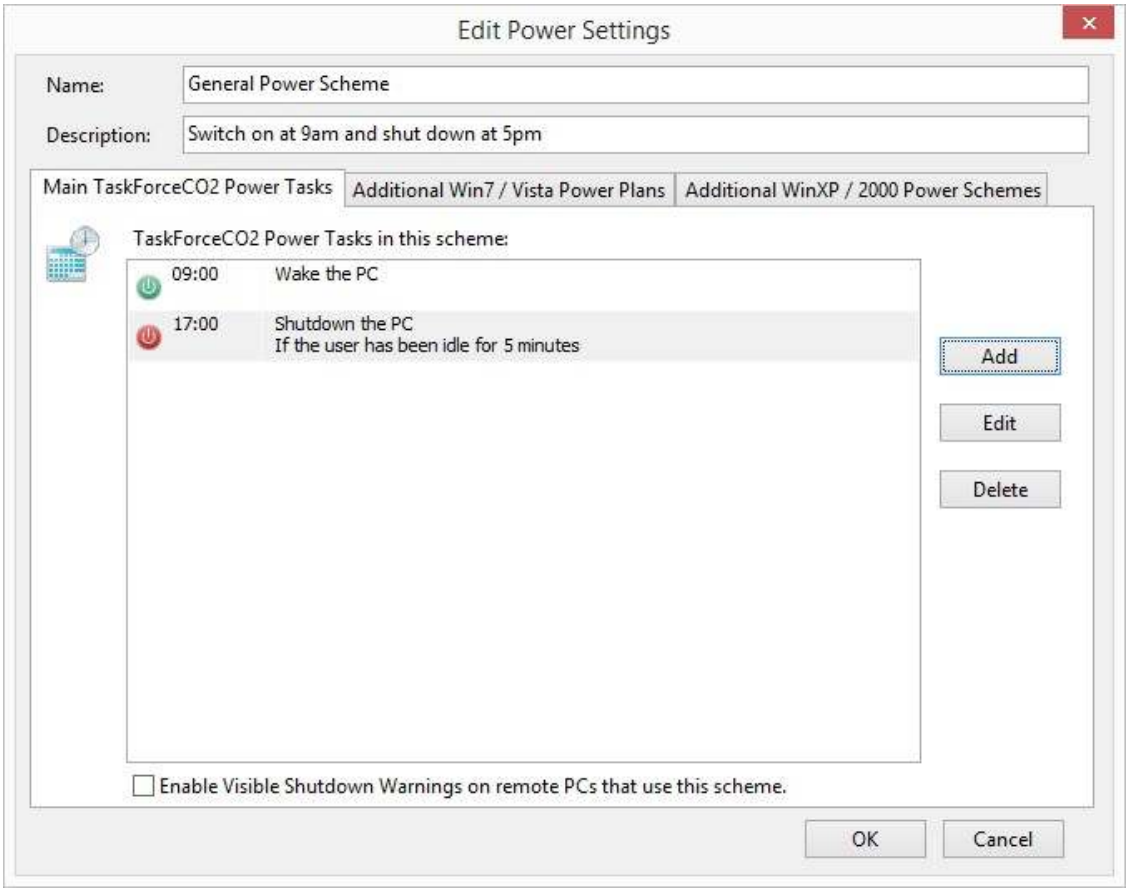
The scheme can be applied either to PCs under selected OU or to all the PCs under the sub OUs.



If you select YES option then scheme will be applied to all the PCs under the selected OU plus to all the PCs under the sub OUs of the selected OU. If we select NO option then scheme will be applied to only PCs under the selected OU.

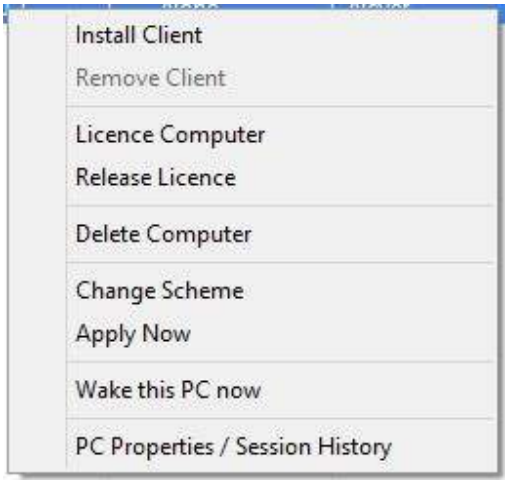
PERSONALIZATION

Once the configuration section is completed, you can set your Power Scheme preferences to be applied to the registered PCs.



Note: **Please do not close the console while the installation is in progress.**

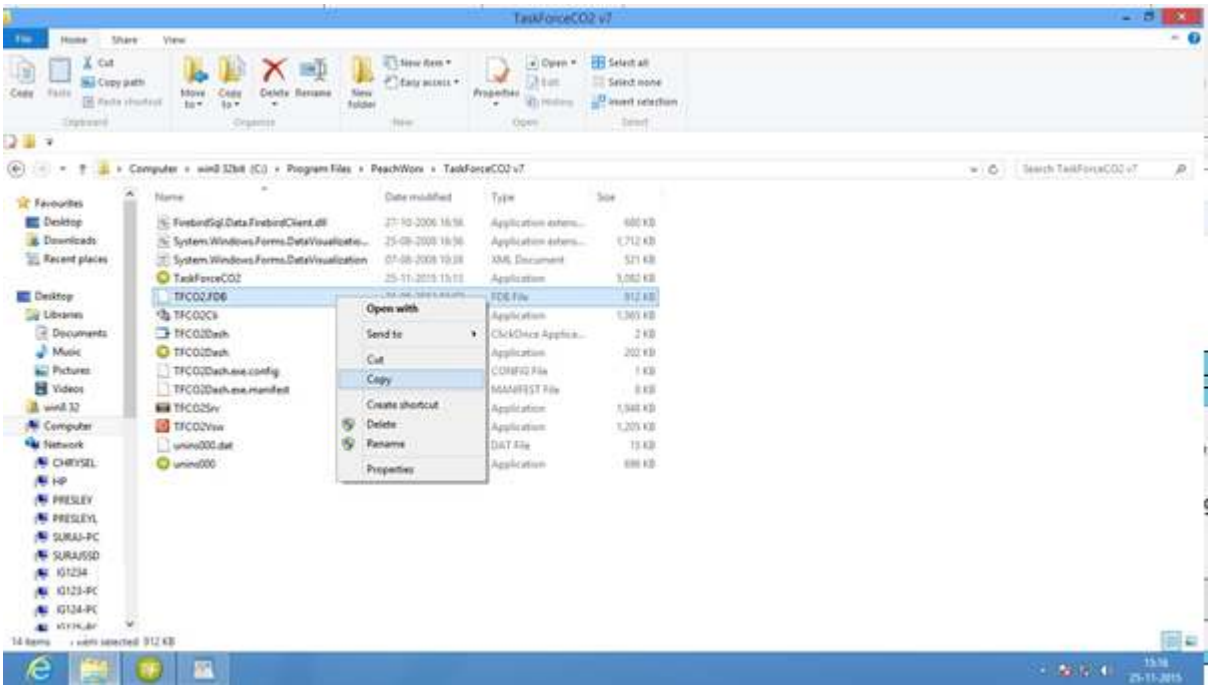
You can apply Power Scheme changes to one or few PCs at the same time by pressing right-click after marking the desired PCs. You can also apply a scheme immediately by pressing right-click and choosing the ‘Apply Now’ option.



TaskForceCO2 will help you to keep a record of PCs shutdown, and average savings both financially (power usage costs) and environmentally (CO2 reduction rates).

TaskForceCO2 Backup Note

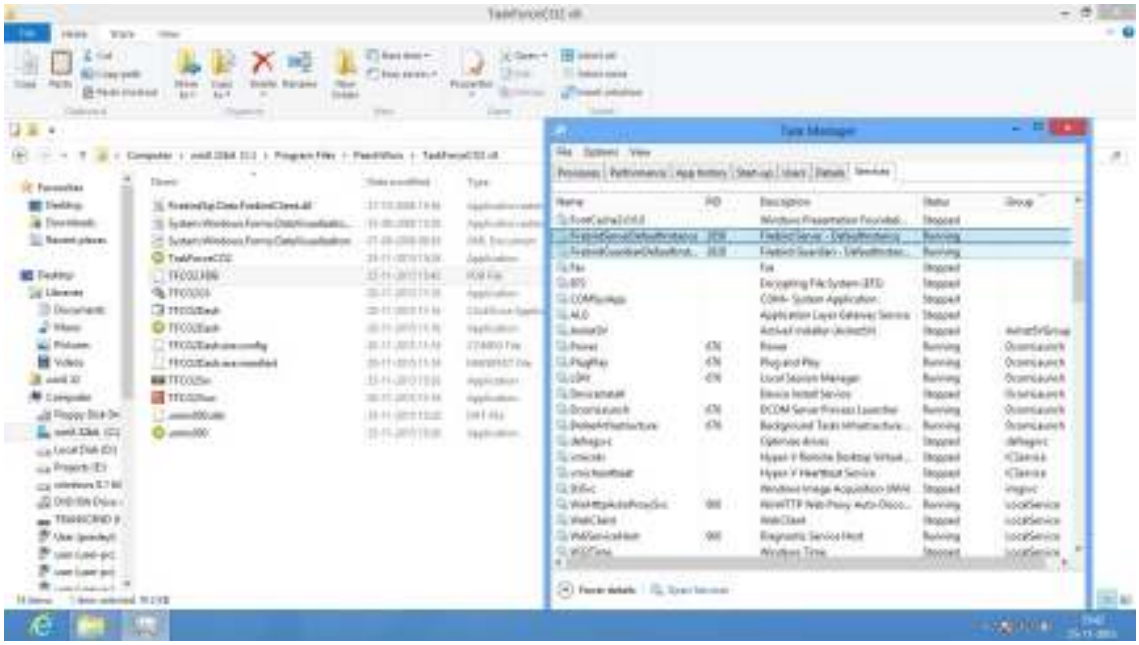
1. If a TaskforceCO2 older version is already present on your system or if you want old data then take a backup of old database file (TFCO2.FDB file) located in the PeachWorx folder (located at C:\Program Files\PeachWorx\TaskForceCO2 v7 on 32 bit systems). Alternatively use the 'Backup' feature to take a copy of the .FDB file.



2. Now uninstall the currently installed older version of TaskForceCO2 from your system and start with installation of latest version.

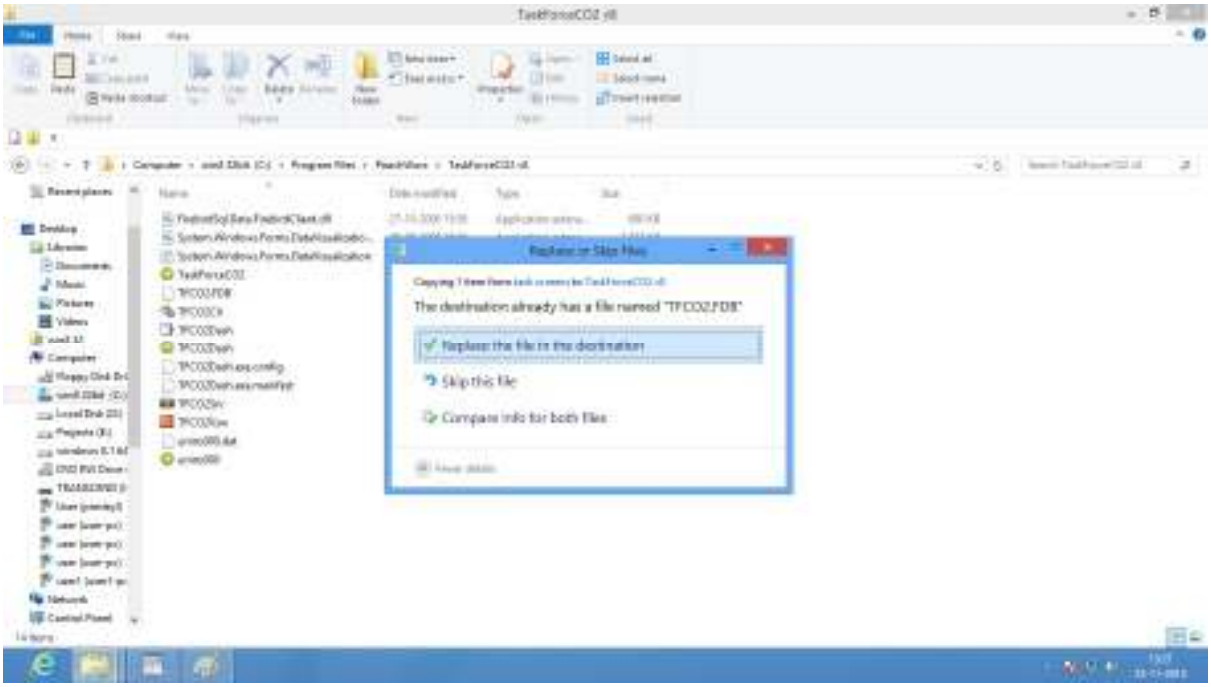
3. Once installed, paste the '*TFCO2.FDB*' of the older version in the latest version directory (located at C:\Program Files\PeachWorx\TaskForceCO2 v8 on 32 bit systems).

If you are facing problems in pasting the '*TFCO2.FDB*' file in the directory, stop the following services from Task Manager by switching to services tab as shown in screenshot below:



After successfully stopping the services please paste the TFCO2.FDB file in new version directory (C:\Program Files\PeachWorx\TaskForceCO2 v8).

4. Message will be displayed saying whether to replace existing file in destination folder as shown in screenshot below



Select replace the file in destination option.

5. After successfully pasting the file please restart the services stopped in step 3.

6. Once services starts launch the newly installed TaskForceCO2.

TROUBLESHOOTING

PC Discovery and remote agent installation.

For a few cases, not all PCs are available for remote installation of the TaskForceCO2 agent. In order for TaskForceCO2 to be successfully installed some requirements must be fulfilled.

Note: **The Remote PC must be on for installation of the agent to be successful.**

For Operating Systems such as Windows XP, Windows Vista, and Windows7, the requirements are usually:

1.] Appropriate domain-admin privileges is necessary prior to installing any software, while multiple server clusters may require other specific authentication.
In addition, TaskForceCO2 must be installed and 'Run as Administrator'.

2.] 'File & Print Sharing' must be turned on at each remote workstation.

For other Operating Systems:

1.] An Admin$ share must be present and available for remote access on each remote workstation. This must be done to test if the Admin$ share is opened and that you have been granted the permission to execute these steps.

- Execute *remotecomputername*\admin$
- After a remote Windows folder is opened, try creating **and saving** a new text file to established the permissions that you wrote.

2.] Firewalls (and some anti-virus software) and some routers, may need to be configured to allow TCP and UDP conversations on various ports, especially in cases where multiple servers are involved.

Note: **The standard TCP and UDP ports for TFCO2 are: 6940, 6960, 6980, 0007. All of these should be configured to allow two-way traffic.**

If the conditions mentioned have been met and there is still a problem with communication on your PC(s), please test the following conditions:

1.] Check your Domain Name System (DNS) configuration issue, by following these steps:

Ping ComputerName
Ping ""FullyQualifiedDomainName"
Ping KnownIPAddress

When the results of all three Pings are different it means that there is a “DNS discrepancy.”

2.] Following the “DNS discrepancy,” chance is there is an issue with historical Windows Internet Name Service (WINS) use versus newer DNS use. The supporting evidence of this issue is the discrepancy between the IP Address stated from the Central Console (which individual for each product) and the result of three “Pings” in point 1.] above.

3.] An issue with resolving the remote PCs IP-Address from the remote PCs computer name that can be caused by:

- Advanced Design System (ADS) uses "DNS lookup" to resolve the IP address from the Computer Name.
- Network Neighbourhood uses low-level Network Basic Input/Output System (NetBIOS) calls to the target PC to retrieve the IP address.
- Scan By IP Range uses "reverse DNS lookup" to resolve the IP address.

Even if you have configured for DNS, if WINS is still in use from the server, use WINS to delete any IP addresses that are incorrect or unused for the remote PCs, which are not responding to our Central Console.

If this still leaves some PCs that are not responding then you may need to visit each of the PCs and use WINS locally to ensure that only the correct/current IP address for that PC is assigned, and then reboot the remote PC. You can also execute this by opening and using a remote desktop session for each of the PCs.

Based on our past experience, this sequence of activity has always been successful in resolving such issues, and, fortunately, the last requirement, visiting some PCs, is quite rare, and has only ever involved a very small percentage of the user base.