

REMOTE CLIENT CONFIGURATION GUIDE



This document addresses the steps required to install and configure enVigil when running as a remote client.

Introduction

This document constitutes a step by step procedure to be used when implementing an enVigil Remote Client (View Node) system and addresses both the changes needed on the enVigil Server PC and the installation procedure on the remote client.

If you are installing a remote terminal service client the steps in this document are not applicable and you should see 'Appendix C -Terminal Service Setup Guide' for more information

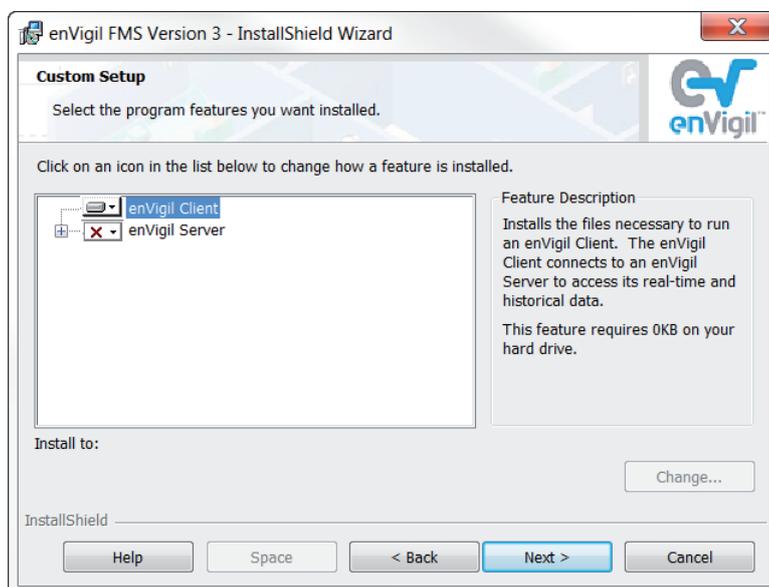
You must install the enVigil Client software whilst logged into a Windows user account that has full Administrative privileges.

PC Prerequisites

The PC specification will vary, however some requirements are common:

- The OS should be Windows XP Professional SP2/SP3 or Windows 7.
- A Network Interface must be fitted.
- An internal speaker should be fitted.
- All disks should be formatted as NTFS.

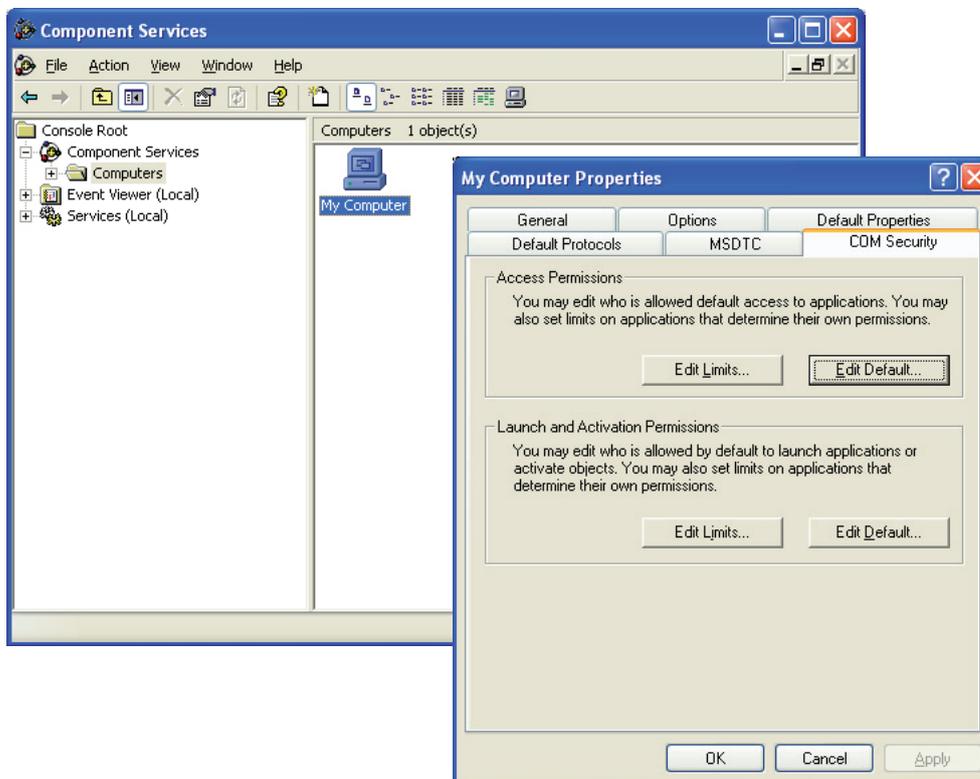
The client PC setup should be completed as per the previous appendix *enVigil Workstation Configuration* before enVigil is installed. When installing enVigil you should only install the enVigil Client feature. To do this select 'Custom' as the setup type and choose the 'This feature will not be available' option for the enVigil Server feature:



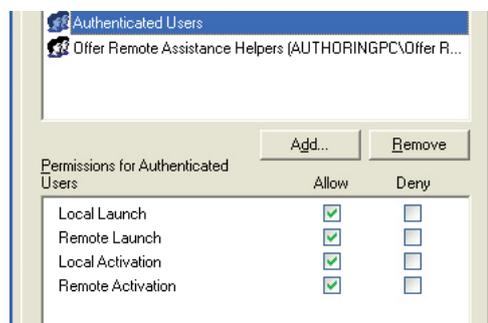
Changes to enVigil Server to permit remote client connections

Before any remote client can successfully connect to an enVigil server, some changes must be made to the enVigil Server configuration to enable DCOM access that is used for real-time data access and user authentication for enVigil.

Control Panel...Administrative Tools.. Component Services....Computers... My Computer Properties....COM Security



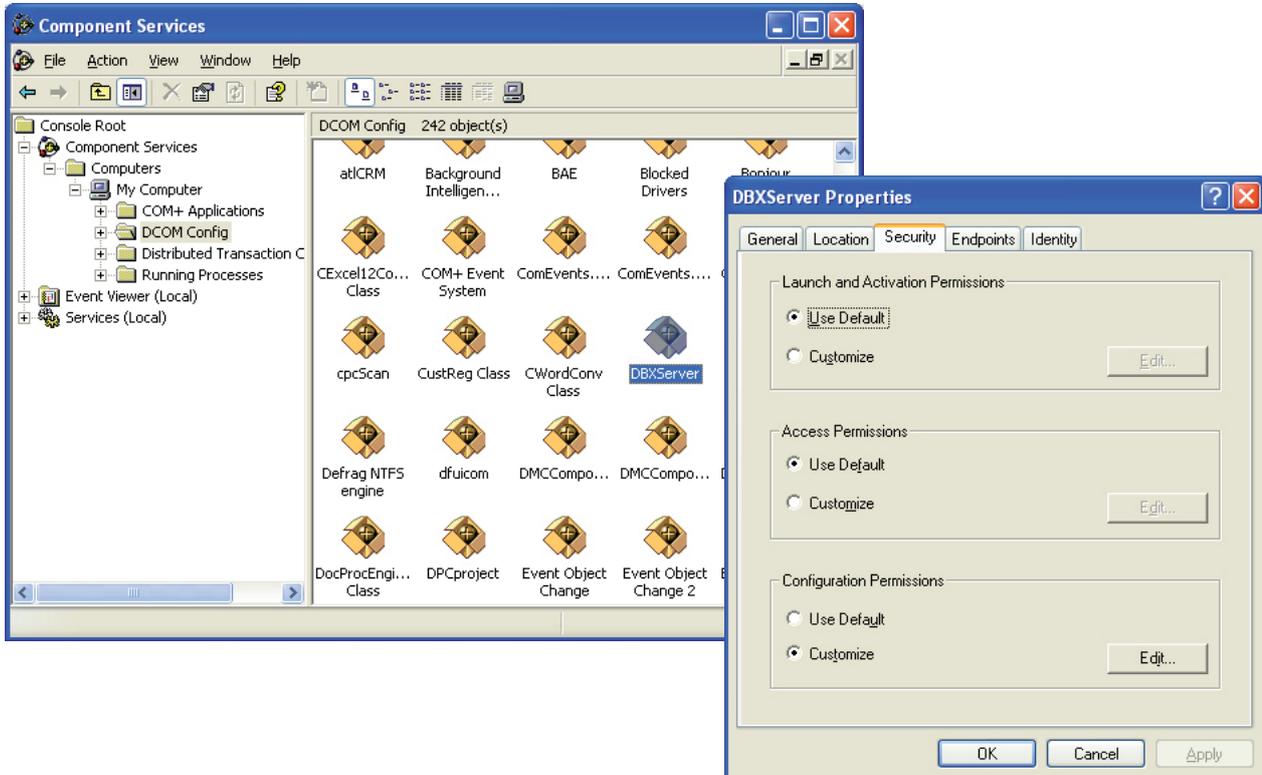
- Click 'Edit Limits' button under 'Launch and Activation Permissions':
- Click 'Add...'
- Click 'Advanced...' .. 'Find Now', then scroll down if necessary to select
 - 'Authenticated Users' if on a non-domain system
 - 'Domain Users' if on a domain system
- Click OK twice
- Ensure all permissions are set to 'Allow'
- Click OK twice



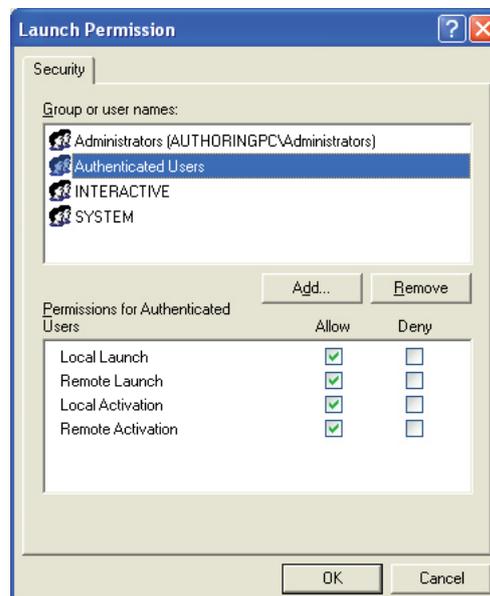
Next the access and launch and activation permissions need to be set for the DBXServer COM component.

With the Component Services tool still open:

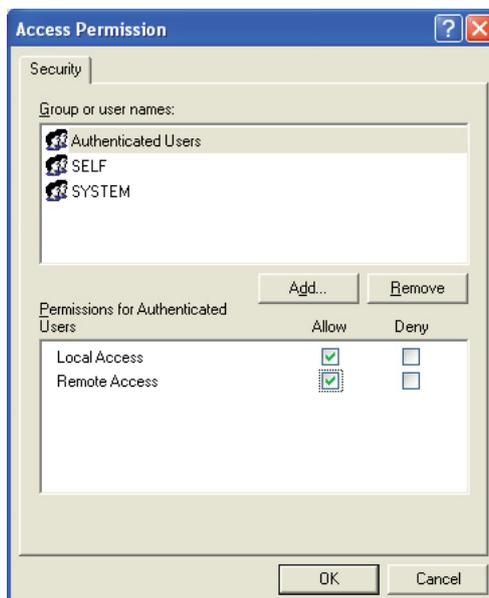
- Navigate to Computers...My Computer...DCOM Config
- Find the 'DBXServer' component. Right click and select 'Properties...'



- Select the 'Security' tab and set 'Launch and Activation Permissions' to 'Customize':
- Click 'Edit' in the 'Launch and Activation Permissions' section:
- Click 'Add...'
- Click 'Advanced...' .. 'Find Now', then scroll down if necessary to select :
 - 'Authenticated Users' if on a non-domain system
 - 'Domain Users' if on a domain system
- Click OK twice
- Ensure all permissions are set to 'Allow'
- Click OK.

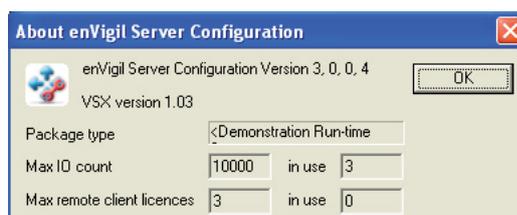


- Set 'Access Permissions' to 'Customize'
- Click 'Edit' in the 'Access Permissions' section:
- Click 'Add...'
- Click 'Advanced...' .. 'Find Now', then scroll down if necessary to select :
 - 'Authenticated Users' if on a non-domain system
 - 'Domain Users' if on a domain system
- Click OK twice
- Ensure all permissions are set to 'Allow'
- Click OK twice and close the Components Services tool.



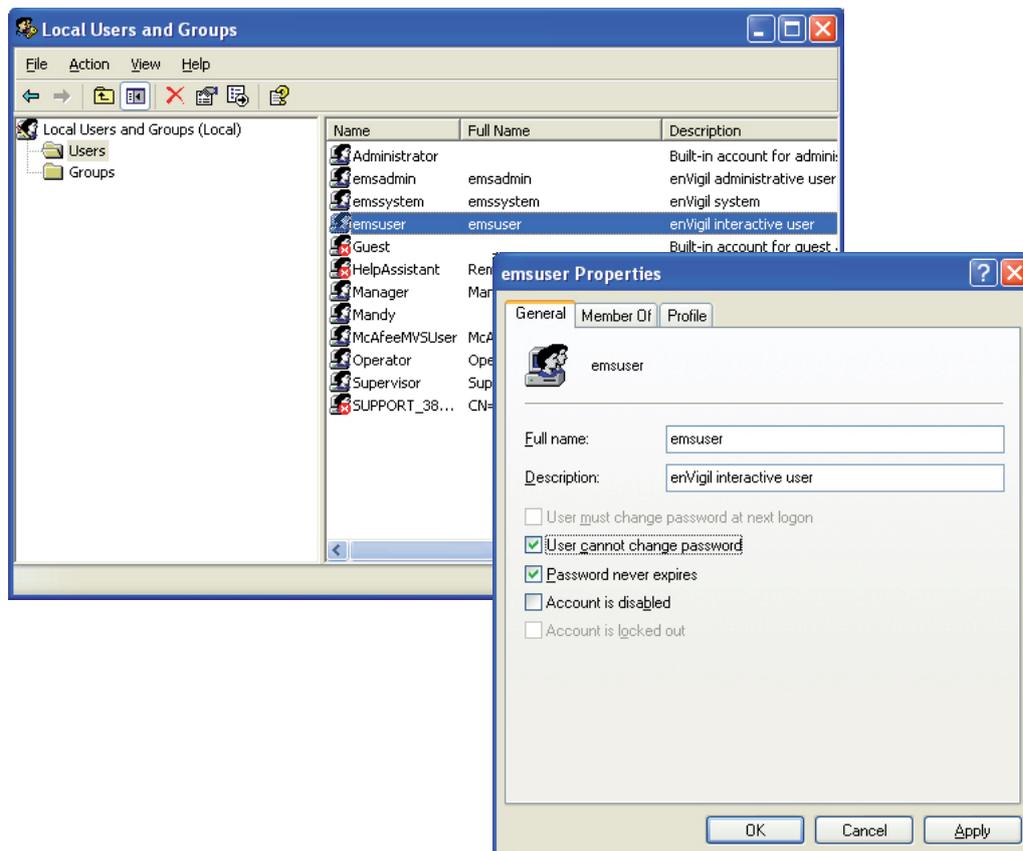
Remote client licences on enVigil security key on server machine

The enVigil USB/Parallel security key on the server machine should be setup with the relevant number of remote client licences. Use Help->About from the enVigil Server Configuration programs main menu:



EMSUser Account

You should initially create an 'EMSuser' user account with the password 'emsuser' as an Administrator. If on a domain request the IT department to create a domain account called 'EMSUser' and requested that the account temporarily has local administrative rights. At the end of this guide the 'EMSuser' account will be demoted to a limited or standard user account. Ensure that the 'EMSuser' (domain or non-domain) account is set to never expire and that the user cannot change the password:



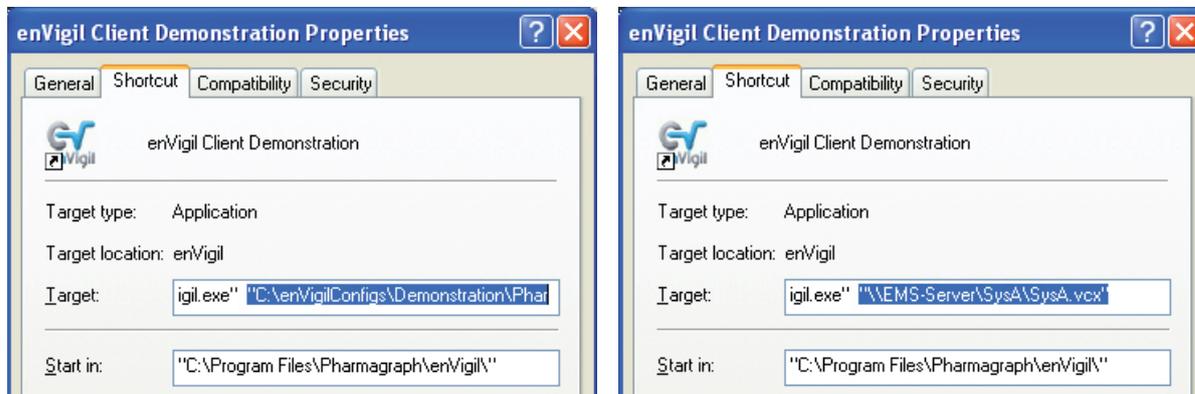
Control Panel .. Administrative Tools .. Computer Management .. Local Users and Groups .. Users' the properties of the EMSUser account should look like this:

Before proceeding ensure that the remote client is logged in as this 'EMSuser' account

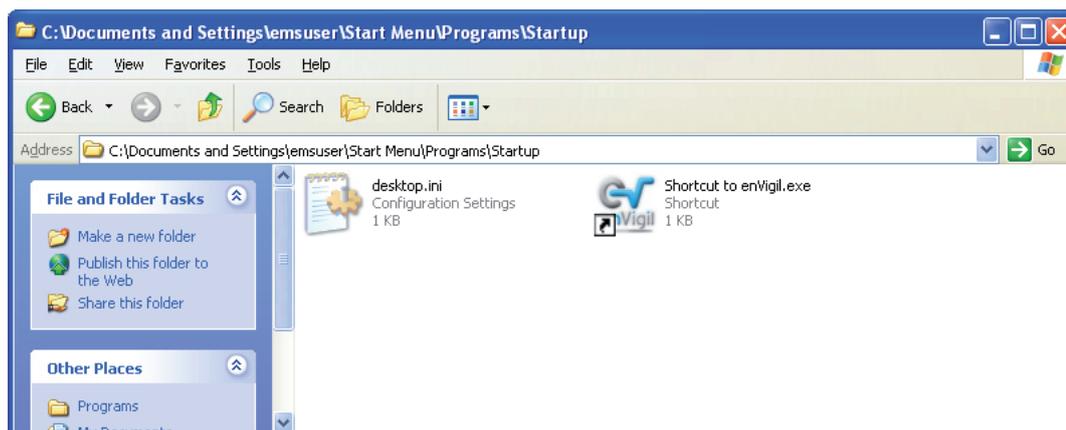
Setting up the enVigil Client shortcut on the Remote Client

After the enVigil Client software has been installed a desktop shortcut to the enVigil Client will be created. Right click this shortcut and select 'Properties...' from the popup menu:

You will need to change the 'Target' field so that the enVigil Client runs the VCX located on the enVigil server machine:



You should also copy the shortcut to EMSUser's startup directory, so that it runs automatically when the 'EMSUser' account automatically logs in:



Modifying enVigil behaviour via registry keys

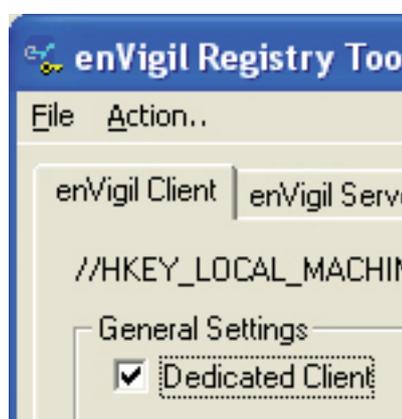
The 'enVigil Registry Tool' should be used to lock the remote client down before final use. Ensure the system tab is set as follows:



Note: Only select Ctrl+Alt+Del is Windows XP!

Select Action->'Write values to registry' from the main menu to submit the changes.

If you require the machine to be a dedicated enVigil Client (e.g. enVigil is the only software used on a day to day basis) you should set the 'Dedicated Client' setting on the 'enVigil Client' tab:



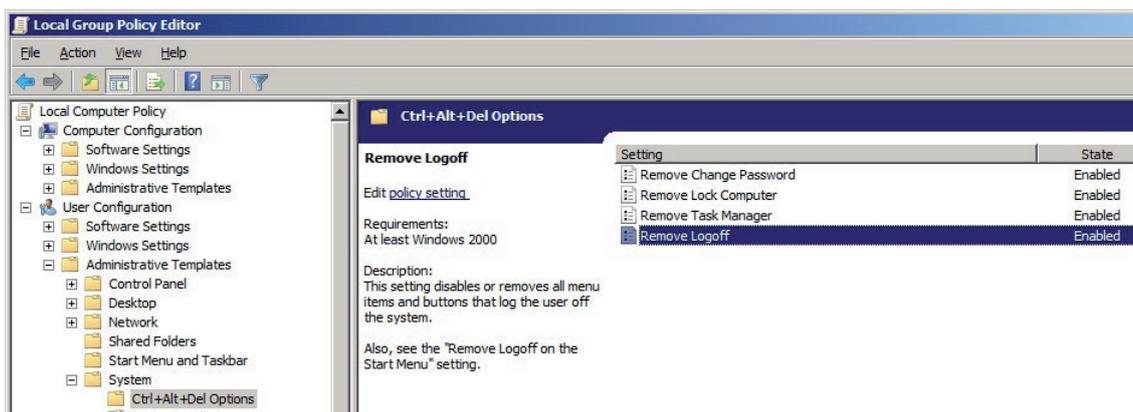
Select Action->'Write values to registry' from the main menu to submit the changes.

Disabling Ctrl+Alt+Del on Windows 7

It is not possible to disable Ctrl+Alt+Del in the same way with Windows 7. Instead the screen shown when Ctrl+Alt+Delete is key combination can be 'tweaked' so that no access to the operating system is given. Therefore the user cannot run 'Task Manager' (which gives the user the ability to run other programs) or even shutdown/restart the PC (Except by the On/Off button on the PC itself).

Type 'gpedit.msc' in the Windows 7 Search/Run toolbar and hit enter.

Navigate to the 'Ctrl+Alt+Del' Options' folder (Local Computer Policy...User Configuration... Administrative Templates...System...). Set all items to be 'Enabled' by double clicking the item and setting the 'Enabled' option:

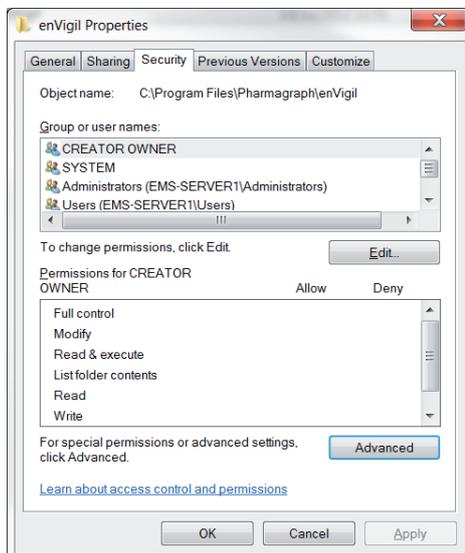


Navigate to the 'Start Menu and Taskbar' Options' folder (Local Computer Policy... User Configuration... Administrative Templates.....). Set the 'Remove and prevent access to the Shut Down, Restart, Sleep, and Hibernate commands' to 'Enabled'. Note: This completely disables any ability to shutdown or restart the PC via the Windows 7 operating system, by any user. After this setting has been applied only the hardware on/off button on PC can be used. This setting is optional.

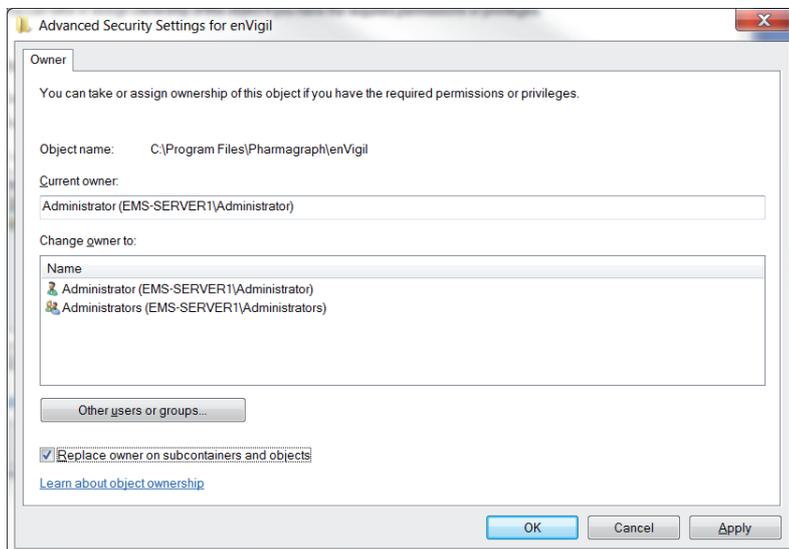
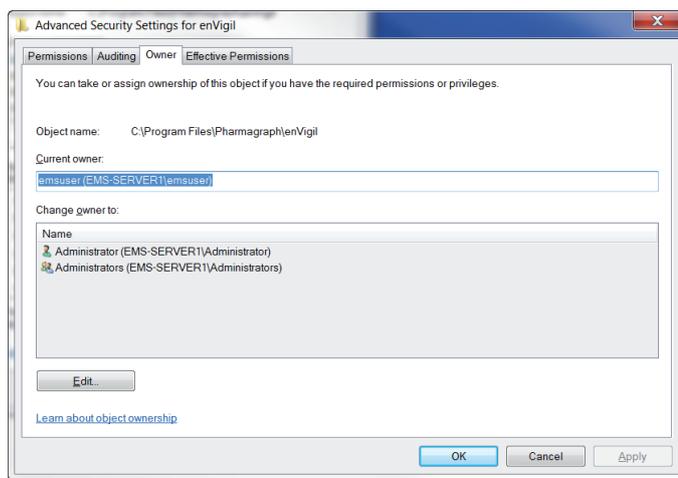
Setting the ownership permissions of the enVigil install directory

Windows XP & Windows 7

- Navigate to the enVigil Install directory (e.g. C:\Program Files\Pharmagraph\enVigil) and right click the folder to access its properties.



- Select the 'Security' tab and click the 'Advanced' button.
- Select the 'Owner' tab, if the current owner is listed as 'emsuser' follow the remaining steps to change the owner



- From the 'Owner' tab click the 'Edit' button
- Ensure that the check box 'Replace owner on subcontainers and objects' is checked
- Click the 'Administrator' user from the 'Change owner to:' list and click the Apply button. Click OK on the three currently open permission dialog boxes.

Current owner:

Administrator (EMS-SERVER1\Administrator)

Demoting EMSUser to limited user

- Open 'Control Panel .. User Accounts .. Local Users and Groups .. Users'
- Right click 'EMSuser' and select 'Properties .. Member Of' and remove the Administrators group entry.