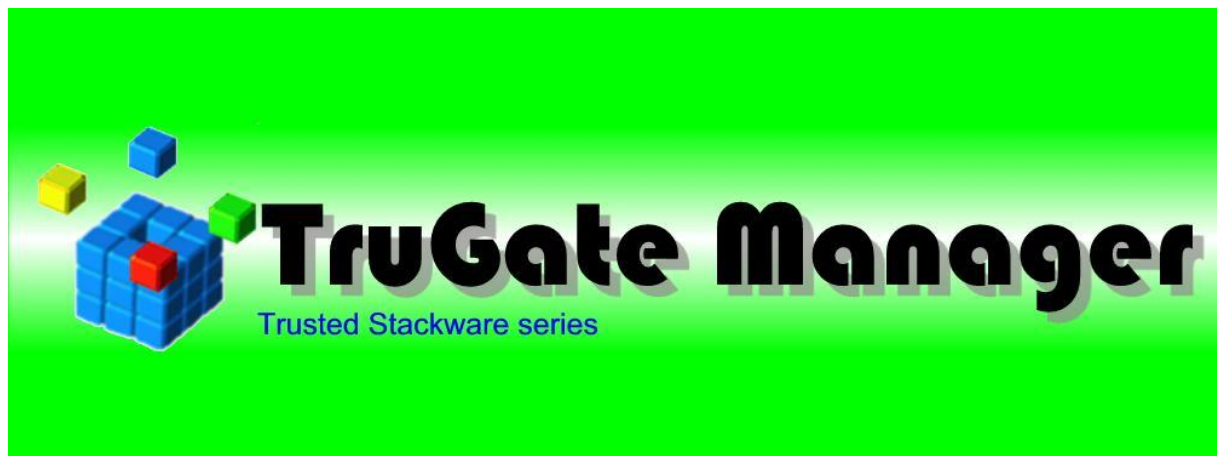


# **TruGate Manager**

## **Trusted Stackware Products Management Utility**

### **User's Guide**

Rev. 1.0.7



**D.O.I-Net Co., Ltd.**

**Disclaimers**

1. D.O.I-Net Co., Ltd. shall not take responsibility for any direct and indirect damage caused by the descriptions stated in this document or other injustices.
2. It is not intended to consent to any rights, including the patent rights of any third party or our company with this document.
3. It is prohibited to reprint or reproduce some or all parts of this document without permission.
4. D.O.I-Net Co., Ltd. may change the specifications listed in this document without a notice for the purpose of improvement.

Company names and product names listed in this document are the trademarks of the companies or the registered trademarks.

When you export these products, please follow the necessary procedures by confirming the foreign exchange, foreign trade methods, and regulations such as the U.S. export control laws.

**Revision History**

Rev.	Date	Details
1.0.0	2010/11/11	Issued.
1.0.1	2012/04/17	Added TruCSP section onto Policy Template. Removed Windows 2000 from Supported OSs due to a version up.
1.0.2	2013/05/10	Added Windows 8, Windows Server 2012 onto Supported OSs. Changed Trial Period.
1.0.3	2013/06/09	Added descriptions onto Template Configuration.
1.0.4	2014/12/04	Modified descriptions of Supported OSs.
1.0.5	2015/04/09	Updated Distribution Example using Policy Template section based upon Windows Server 2008.
1.0.6	2015/07/21	Added Windows 10 onto Supported OSs. Added description of ODBC.
1.0.7	2023/11/06	Changed Supported Oss.

**Index**

1. Introduction.....	10
2. Operating Conditions .....	10
a. Supported OSs .....	10
b. Applicable Authentication Devices .....	10
c. Necessary Device Plug-ins .....	10
d. Installation Requirements.....	10
e. Operational Requirements .....	10
3. Product Summary .....	10
a. Contents of Product.....	10
b. Package.....	11
i. Single License Edition .....	11
ii. Volume License Edition .....	11
4. Warnings .....	11
5. Installation and Uninstallation Procedure .....	11
a. Installation.....	12
b. Uninstallation .....	15
6. Operation Method .....	16
a. Initialization.....	16
i. Launch TruGate Manager.....	16
1) License Verification .....	17
ii. Administrator Registration .....	18
b. Authentication at Launch.....	19
i. Administrator Authentication .....	19
c. Function Details.....	20
i. Main Menu .....	20
ii. Administrator Registration .....	21
iii. Administrator Unregistration .....	21
iv. TruPass Configuration .....	23
1) Journal Storage.....	24
(a) Local Settings .....	24
(b) Flash Disk .....	24
2) Authentication.....	24
(a) Authentication Dialog .....	24
(b) Select Device Dialog.....	24
3) Player Recognition Rate .....	25
4) Delay at Play Back Test .....	25

5) Delay at Normal Operation .....	25
6) Administrator Configuration .....	25
(a) Configuration.....	25
(b) Storage Selection.....	25
(c) Function Control.....	25
7) Enable Functions .....	25
(a) Journal Play Back .....	25
(b) Journal Recording.....	25
(c) Journal File Management .....	25
8) Compatibility.....	25
v. TruPass File Management.....	26
1) Copy Individual File.....	26
(a) Local Settings to Flash Disk .....	26
(b) Flash Disk to Local Settings .....	26
2) Copy All Files.....	26
(a) Local Settings to Flash Disk .....	26
(b) Flash Disk to Local Settings .....	27
3) Delete All Files.....	27
(a) Delete All Journal Files on Local Settings .....	27
(b) Delete All Journal Files on Flash Disk .....	28
4) Delete Individual File.....	28
(a) Delete a Journal File on Local Settings .....	28
(b) Delete a Journal File on Flash Disk.....	28
5) Edit Journal File.....	28
(a) Edit Journal File on Local Settings .....	28
(b) Edit Journal File on Flash Disk .....	28
(c) Data Format of Journal File .....	29
vi. Delete Password .....	29
vii. Password Batch Registration.....	30
1) Data Format of CSV file .....	30
viii. Delete Certification and Private Key .....	32
ix. Register Well Known User .....	33
x. Unregister Well Known User.....	34
xi. License Registration.....	36
xii. Export of Configuration File .....	36
xiii. End of TruGate Manager.....	37
7. Hints of Operation .....	39

a.	Distribution of Journal File.....	39
b.	Distribution of Configuration Data .....	39
c.	Distribution of Well Known User List .....	39
8.	Distribution Example using Policy Template .....	40
a.	Create Group Policy Object for Distribution .....	40
i.	Launch Active Directory Users and Computers.....	40
ii.	Create New OU.....	40
iii.	Registration of Distribution Target Client PCs .....	41
iv.	Create New Group Policy Object.....	42
b.	Create Group Policy for Distribution.....	44
i.	Template Configuration .....	44
1)	Add Template .....	44
2)	Template Settings.....	46
(a)	Apply Authentication for Domain Log On .....	48
(b)	Apply Authentication for Workgroup Log On .....	48
(c)	Require detaching Flash just before authentication .....	48
(d)	Try to log on with previously logged on user name automatically .....	49
(e)	Disable to configure log on password registration option.....	49
(f)	Skip Ctrl+Alt+Del before logging on .....	49
(g)	Select action of Ctrl+Alt+Del after logged on .....	49
(h)	Product Key .....	49
(i)	Use ODBC .....	50
(j)	Use Local Database .....	50
(k)	Automatically detect valid device from registered Plugins .....	52
(l)	Vendor Code of selected plugin .....	52
(m)	Vendor code list of registered TruGate Plugins .....	52
c.	Distribution.....	62
d.	Procedure of Policy Template Update.....	62

## Figure Index

Figure 1 Setup Wizard Welcome Dialog Box.....	12
Figure 2 SOFTWARE LICENSE AGREEMENT .....	13
Figure 3 Destination Folder Dialog Box .....	13
Figure 4 Ready to Install Dialog Box .....	14
Figure 5 Installation Indicator Dialog Box .....	14
Figure 6 Installation Complete Dialog Box.....	15
Figure 7 Apps and Features Dialog Box .....	15
Figure 8 Confirmation of Program Uninstallation Dialog Box .....	16
Figure 9 Uninstall Indicator Dialog Box.....	16
Figure 10 Launch TruGate Manager.....	17
Figure 11 Trial Period Message .....	17
Figure 12 Trial Period Expired Warning Message .....	18
Figure 13 Request for Administrator Registration at First Launch .....	18
Figure 14 Administrator Registration Dialog Box.....	19
Figure 15 Message for End of Administrator Registration.....	19
Figure 16 Administrator Authentication .....	20
Figure 17 TruGate Manager Main Menu Dialog Box.....	20
Figure 18 Administrator Registration .....	21
Figure 19 Administrator Unregistration .....	21
Figure 20 Administrator Unregistration - select from list.....	22
Figure 21 Administrator Unregistration - unregister.....	22
Figure 22 Administrator Unregistration - unregister from shown list .....	22
Figure 23 Administrator Unregistration - unregister all .....	23
Figure 24 Confirmations for Unregistration of All Administrators.....	23
Figure 25 Administrator Unregistration - unregister all from shown list.....	23
Figure 26 TruPass Manager Configuration Dialog Box .....	24
Figure 27 TruPass Administrative File Manager Dialog Box .....	26
Figure 28 Confirm of copying all journal files - 1 .....	27
Figure 29 Confirm of copying all journal files - 2 .....	27
Figure 30 Confirm of deleting all journal files - 1 .....	28
Figure 31 Confirm of deleting all journal files - 2 .....	28
Figure 32 Journal File Editing screen .....	29
Figure 33 Delete Password Dialog Box .....	30
Figure 34 Delete Password Dialog Box - end.....	30
Figure 35 Select CSV File.....	31
Figure 36 Password Batch Registration Dialog Box.....	32

Figure 37 Password Batch Registration Dialog Box - end .....	32
Figure 38 Delete Certification and Private Key Dialog Box .....	33
Figure 39 Delete Certification and Private Key Dialog Box - end.....	33
Figure 40 Well Known User Registration Dialog Box .....	33
Figure 41 Well Known User Unregistration Dialog Box .....	34
Figure 42 Well Known User Unregistration Dialog Box - select from list .....	34
Figure 43 Well Known User Unregistration Dialog Box - unregister .....	34
Figure 44 Well Known User Unregistration Dialog Box - unregister from list.....	35
Figure 45 Well Known User Unregistration Dialog Box - unregister all .....	35
Figure 46 Message to confirm of unregistering all Well Known Users.....	35
Figure 47 Unregister Well Known User - unregister all of Well Known Users from the list....	36
Figure 48 License Registration .....	36
Figure 49 Export of Configuration File .....	37
Figure 50 End of Export .....	37
Figure 51 End of TruGate Manager Dialog Box .....	38
Figure 52 Active Directory Users and Computers - launch .....	40
Figure 53 Active Directory Users and Computers - create new OU .....	41
Figure 54 Create OU .....	41
Figure 55 Active Directory Users and Computers - register PCs to new OU .....	42
Figure 56 Group Policy Management - create new GPO .....	43
Figure 57 New GPO - designate Name .....	43
Figure 58 Group Policy Management - edit Policy .....	44
Figure 59 Group Policy Management Editor - add Template .....	45
Figure 60 Add/Remove Templates - launch.....	45
Figure 61 Select TruGate Manager Policy Template .....	46
Figure 62 Add/Remove Templates - TruGate Manager Template added .....	46
Figure 63 Group Policy Management Editor - TruGate settings .....	47
Figure 64 TruGate Properties .....	48
Figure 65 Group Policy Management Editor - TruGate Plugin settings .....	51
Figure 66 TruGate Plugin Properties .....	52
Figure 67 Group Policy Management Editor - TruPass settings .....	53
Figure 68 TruPass Admin Config Properties .....	54
Figure 69 TruPass Play-back Journal Properties .....	55
Figure 70 TruPass Record Journal Properties .....	56
Figure 71 TruPass Journal File Management Properties .....	57
Figure 72 TruPass Configuration Properties .....	58
Figure 73 Group Policy Management Editor - TruCSP settings .....	59



Figure 74 TruCSP Properties .....	60
Figure 75 TruCSP Certificate Storage Provider Properties .....	61
Figure 76 TruCSP Crypto Service Provider Properties .....	62

### 1. Introduction

This User's Guide explains the operation of TruGate Management Utility (TruGate Manager) for Trusted Stackware Products produced by D.O.I-Net Co., Ltd.

### 2. Operating Conditions

#### a. Supported OSs

Windows 10 32bit/64bit

Windows 11

Windows Server 2016

Windows Server 2019

#### b. Applicable Authentication Devices

Depends on TruGate. Refer to the TruGate User's Guide for more detail.

#### c. Necessary Device Plug-ins

Depends on TruGate. Refer to the TruGate User's Guide for more detail.

#### d. Installation Requirements

TruGate should be installed.

#### e. Operational Requirements

TruGate should be installed and initialized so that it can be utilized for the authentication.

In the case of volume license edition, when such as TruGate, TruPass and TruCSP are installed into the administrative client PC, the setup type should be complete and the initialization should be done.

### 3. Product Summary

#### a. Contents of Product

TruGate Manager is a management utility. It provides the following management functions to the administrator who manages Trusted Stackware series products such as TruGate, TruPass, TruCSP, and etc.

1. Set and Delete the password used for TruGate.
2. Set the default configuration value of TruPass.
3. Edit TruPass journal.

4. Clear certificate and private key storage area of TruCSP.
5. Create group policy template for distribution (available for only volume license edition).

### **b. Package**

2 types of installer packages are prepared; one for PCs with a single license edition, and another for PCs with a volume license edition.

#### **i. Single License Edition**

This is a package mainly for personal users. It comes with the exe installer package. The trial period is 1 month. Some restrictions such as not available to save the data of few functions are set during the trial period.

#### **ii. Volume License Edition**

This is a package mainly for corporate users. It comes with the MSI installer package. You cannot uninstall it from "Apps and Features" of the OS installed on the PC. Uninstall it from "Active Directory server" or "re-launched MSI installer". Either 32bit version or 64bit version is available. The trial period is 3 months. Some restrictions such as not available to save the data of few functions are set during the trial period.

## **4. Warnings**

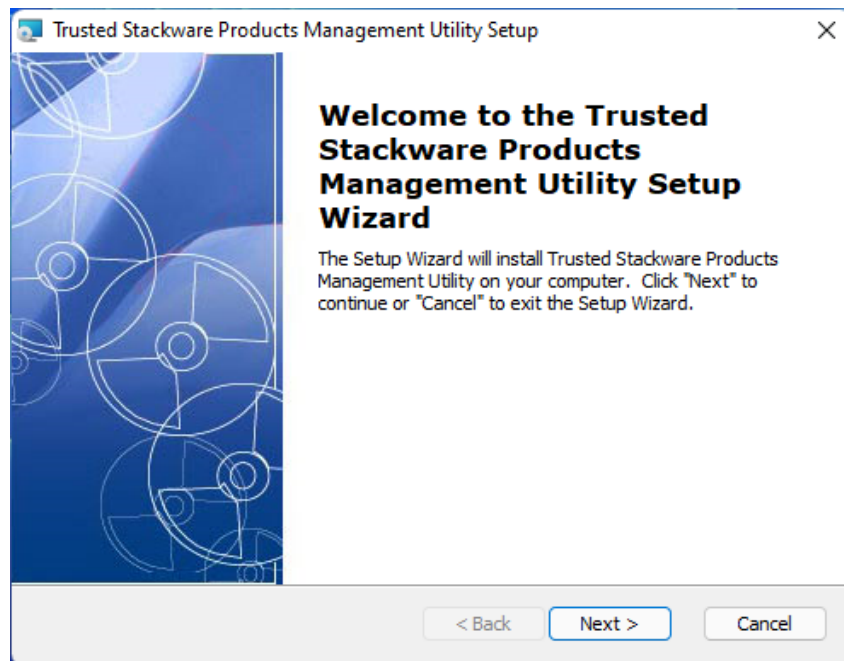
1. Please install TruGate Manager only into the client PC for administrator.
2. Password registration will be reflected to Windows OS and domain.
3. Password deletion will be made only for TruGate. The password of Windows OS and domain will not be deleted.
4. If the same user name account exists on both domain and the local PC in the case of joining domain, please register a password for the domain and local PC respectively.
5. It is required to be logged on with the administrator privilege of the domain, in the case of domain password registration.
6. It is required to be logged on with the administrator privilege of the local PC, in the case of local PC password registration.

## **5. Installation and Uninstallation Procedure**

**Note: Please check the Installation Requirements before installing TruGate Manager. In installing and uninstalling, please log on with the administrator privilege of the local computer.**

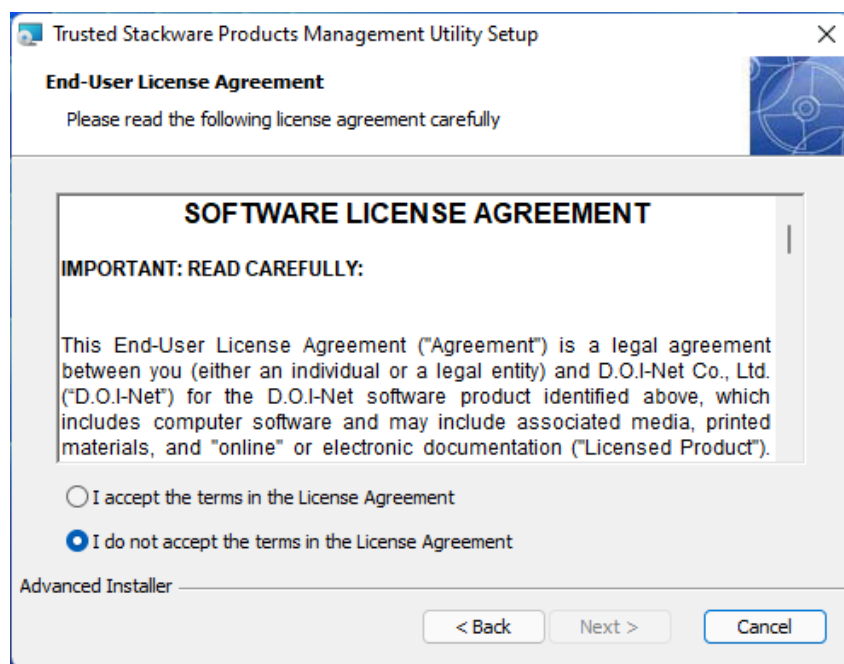
**a. Installation**

A dialog box shown below appears when you execute Trusted Stackware Products Management Utility.exe. Click the "Next" button.



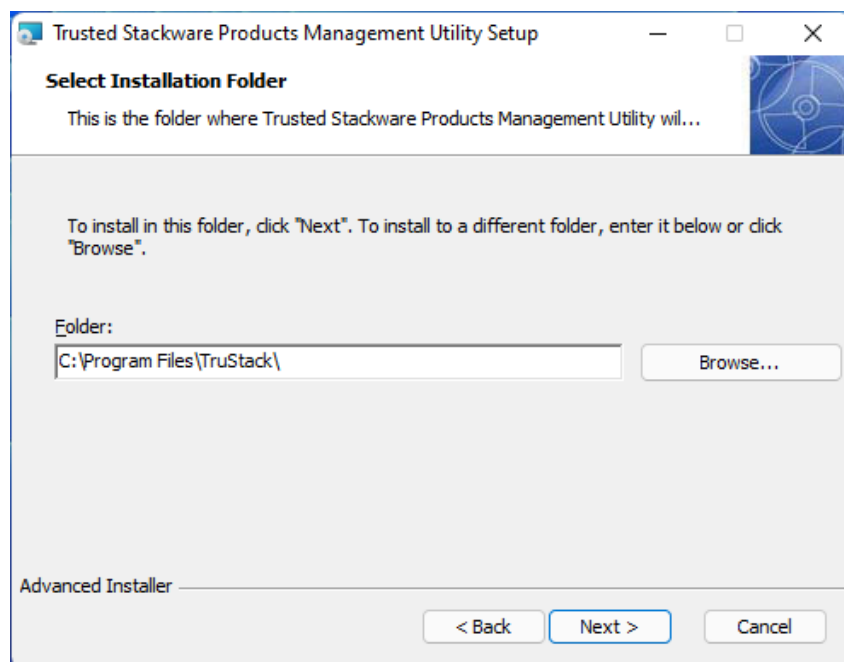
**Figure 1 Setup Wizard Welcome Dialog Box**

Read "SOFTWARE LICENSE AGREEMENT" shown in the dialog box carefully, and click the "I accept the terms in the license agreement" radio button if you agree, then click the "Next" button.



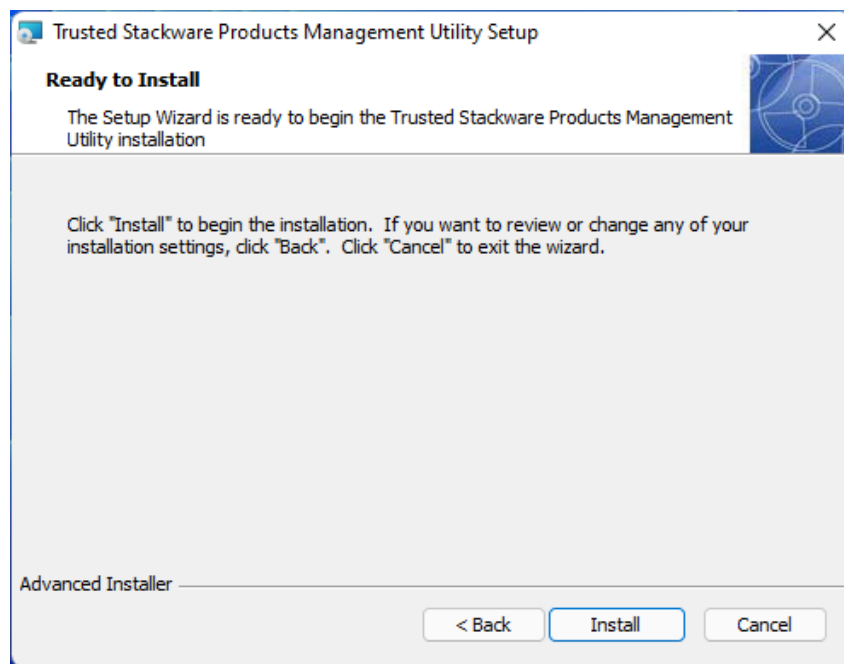
**Figure 2 SOFTWARE LICENSE AGREEMENT**

When the Destination Folder dialog box is displayed, modify the destination if you need. Generally, however, this product should be used without modification, click the “Next” button.



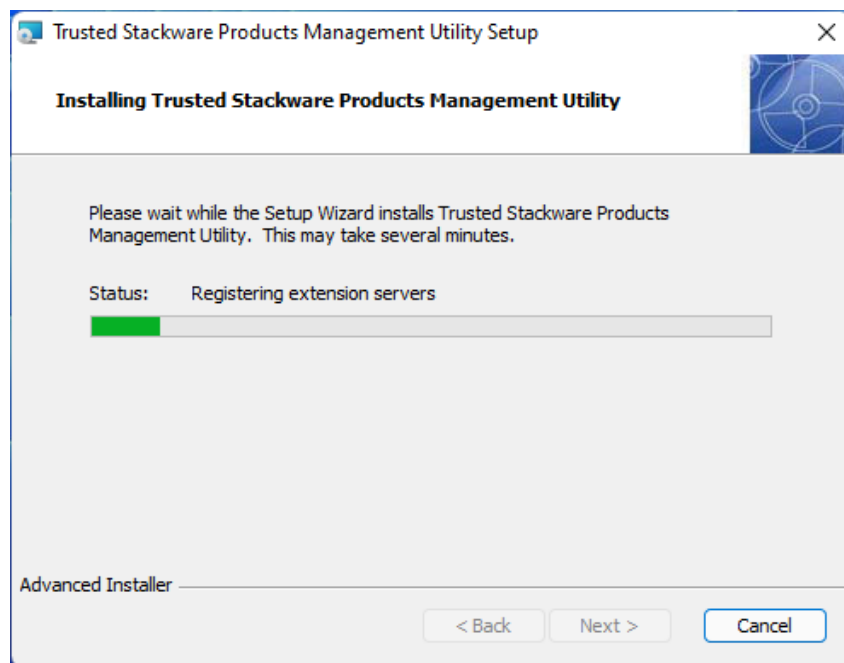
**Figure 3 Destination Folder Dialog Box**

Click the "Install" button unless you need to change. If you need to make some changes, click the "Back" button and return to the dialog box where you want to make changes.



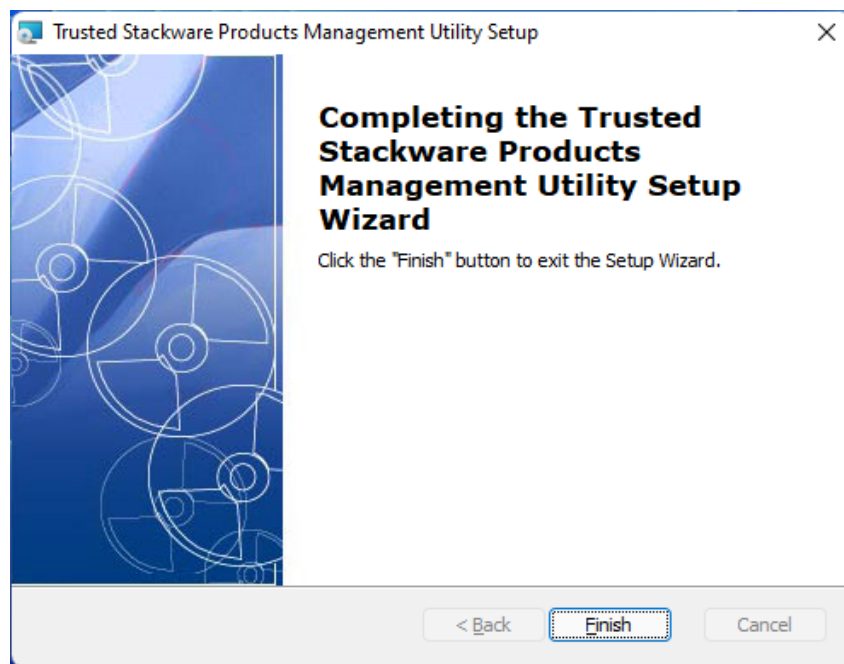
**Figure 4 Ready to Install Dialog Box**

During installation, the following indicator dialog box will be displayed.



**Figure 5 Installation Indicator Dialog Box**

When installation is finished, the following installation completion dialog will be displayed. Click the "Finish" button.

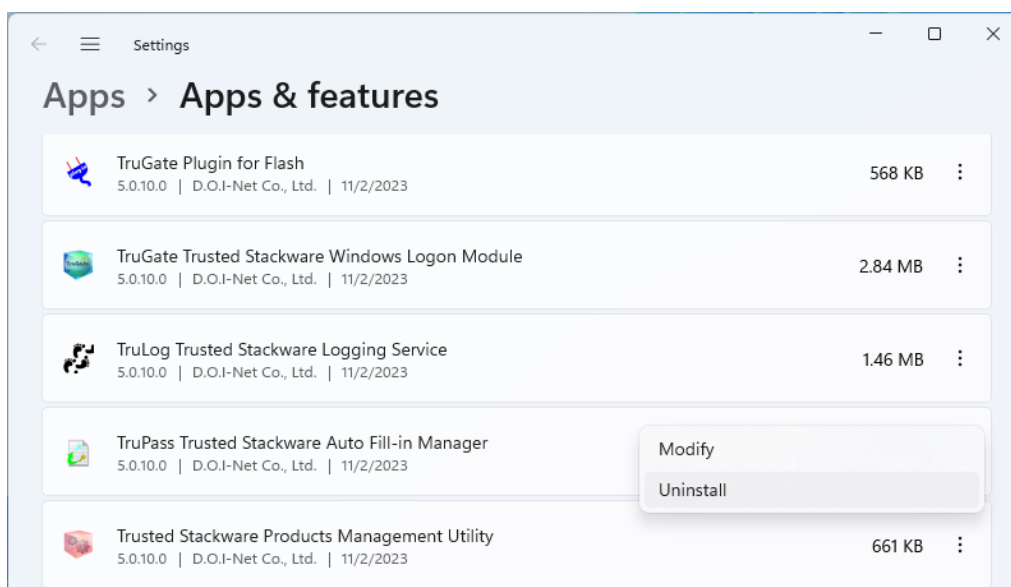


**Figure 6 Installation Complete Dialog Box**

**b. Uninstallation**

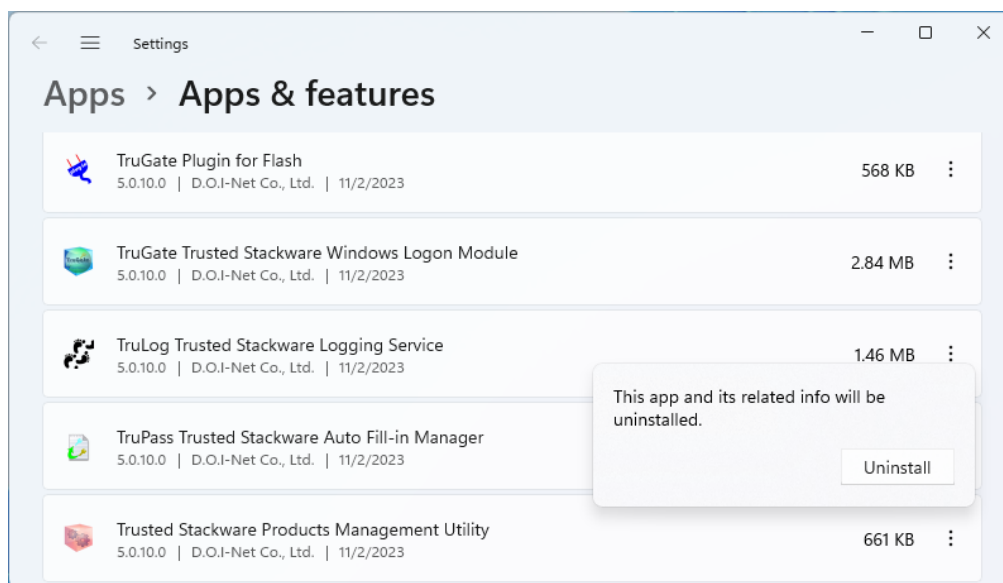
Select “Trusted Stackware Products Management Utility” from “Apps and Features” of the OS.

The following is an operation example, with Windows 11.



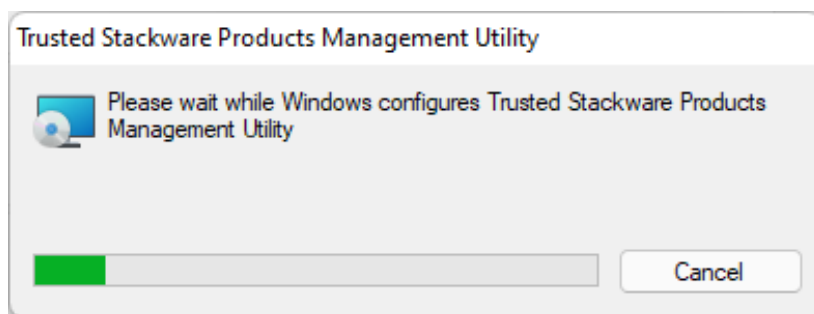
**Figure 7 Apps and Features Dialog Box**

Then click “Uninstall”, and uninstall TruGate Manager follows the message.



**Figure 8 Confirmation of Program Uninstallation Dialog Box**

During uninstallation, the following indicator dialog box will be displayed.



**Figure 9 Uninstall Indicator Dialog Box**

When uninstallation is complete, the indicator dialog box will disappear.

## 6. Operation Method

### a. Initialization

To use TruGate Manager, start by initializing the configuration according to the following steps.

**Note: TruGate Manager will not work without initialization.**

#### i. Launch TruGate Manager

Please log on with the administrator privilege after installing TruGate Manager.

Click in the order of "Start" – "All Apps" – "TruStack" – "TruGate Management".



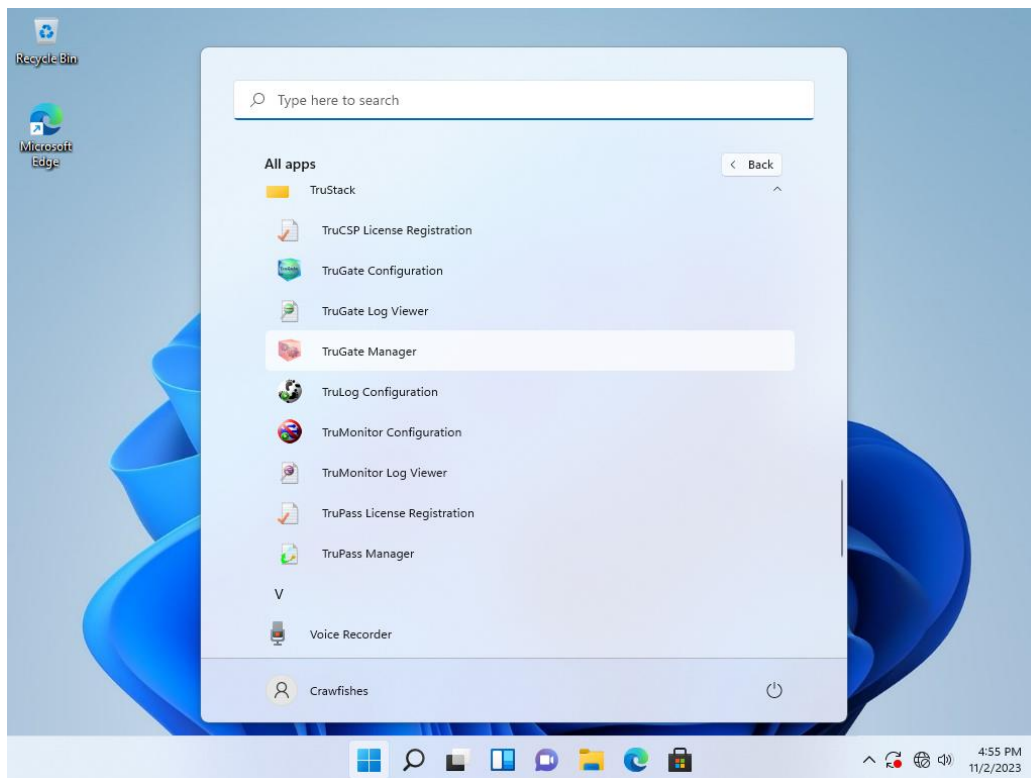


Figure 10 Launch TruGate Manager

#### 1) License Verification

The following popup message will be displayed during the trial period. If the message is shown, click the “OK” button.

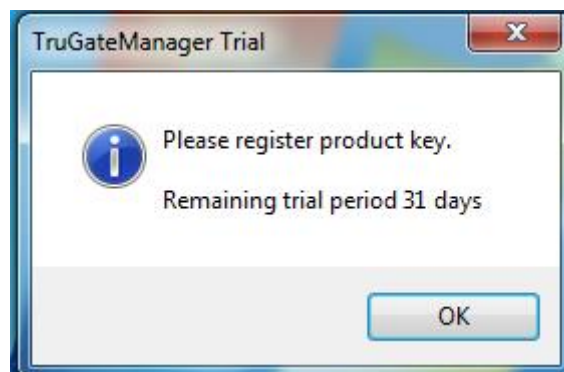
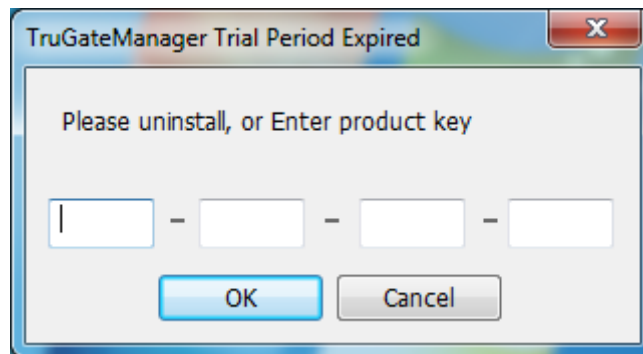


Figure 11 Trial Period Message

**Note: Trial period is 1 moth for the single license edition, and 3 months for the volume license edition. You cannot use the TruGate Manager after the trial period expires. Please register the product key to use TruGate Manager continuously.**

When the trial period is over, the dialog box as follows will be displayed. To keep

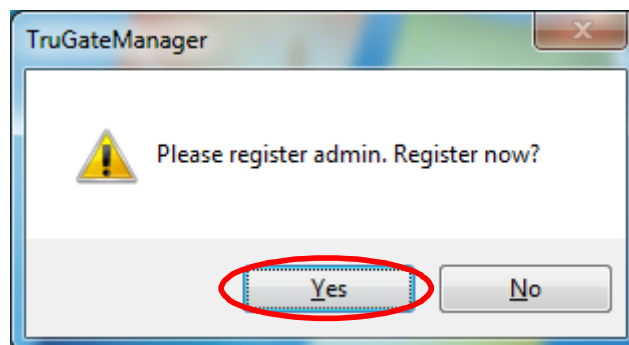
using it, enter the product key in the edit box, then click the “OK” button. To terminate the trial, click the “Cancel” button, and uninstall TruGate Manager.



**Figure 12 Trial Period Expired Warning Message**

**ii. Administrator Registration**

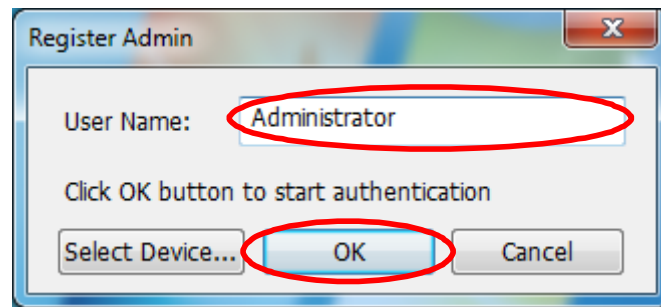
You will be requested to register the Administrator at the first application launching. The registering administrator user name should be a pre-registered user of TruGate. Click the “Yes” button if the following dialog box is shown.



**Figure 13 Request for Administrator Registration at First Launch**

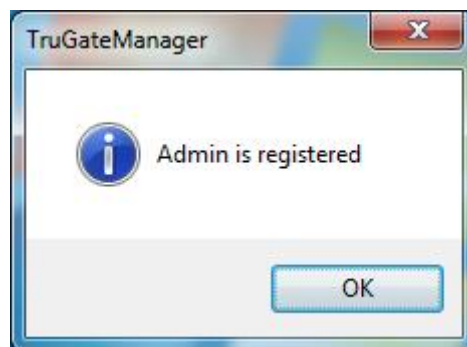
Next, if the dialog box shown below is displayed, enter the user name to register as an administrator. After that, click the “OK” button.

**Note: When a Well Known User name, such as Administrator is registered as an administrator, the device authentication will not be performed.**



**Figure 14 Administrator Registration Dialog Box**

After administrator registration is completed at launching, a confirmation dialog is displayed.



**Figure 15 Message for End of Administrator Registration**

Click the "OK" button and perform administrator authentication as in the next section.

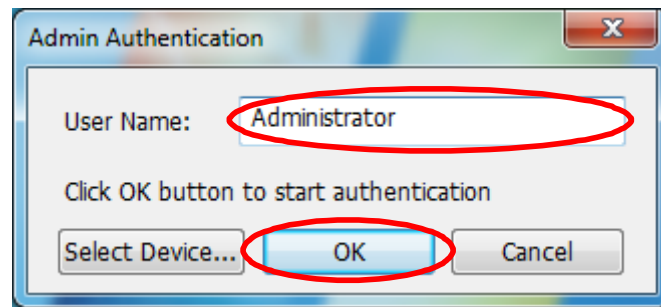
**b. Authentication at Launch**

**i. Administrator Authentication**

You will be requested to authenticate the registered administrator of TruGate Manager at the application launching.

If this dialog box is displayed, enter the registered administrator user name, and click the "OK" button to authenticate.

**Note: If a registered administrator is a Well Known User, the device authentication will not be performed.**



**Figure 16 Administrator Authentication**

If the authentication is successful, the TruGate Manager Main Menu as follows will be displayed.

**c. Function Details**

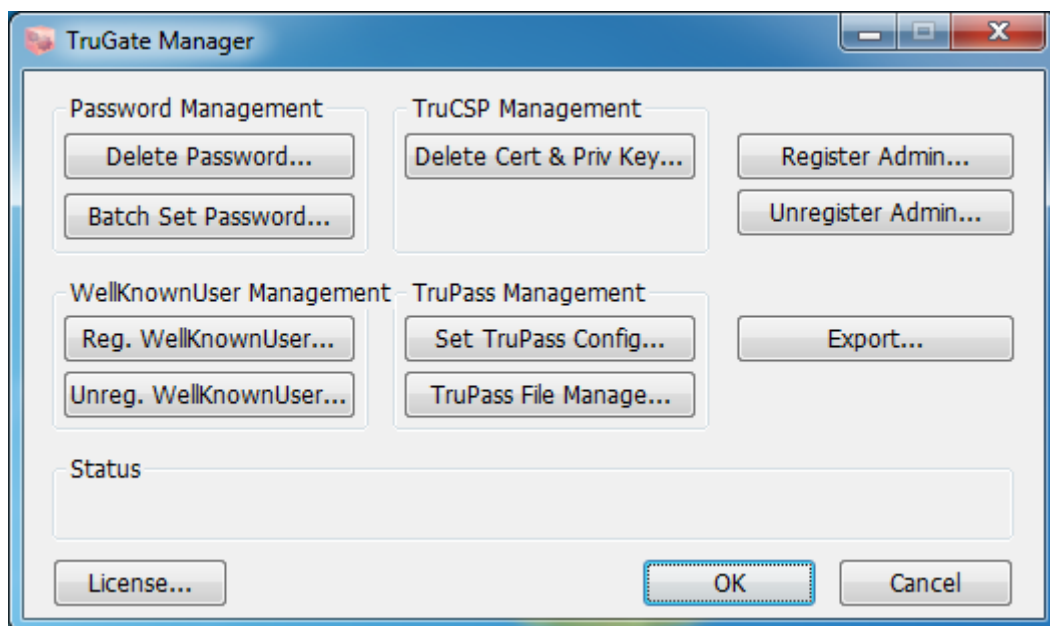
**i. Main Menu**

If the administrator authentication is successful, the TruGate Manager Main Menu as follows will be displayed.

When the Main Menu is displayed, select the device as you need. If not, the default device of TruGate will be used.

**Note: It is required to be logged on with the administrator privilege of the domain, in the case of domain password registration.**

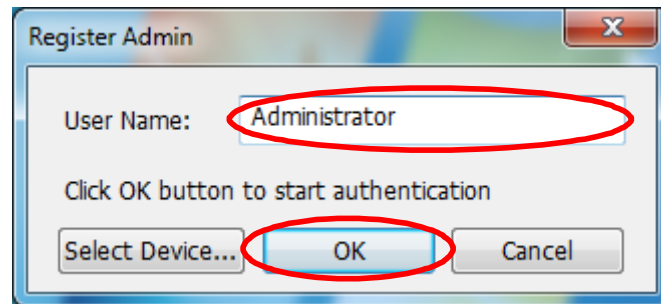
**Export function is only implemented on the volume license edition.**



**Figure 17 TruGate Manager Main Menu Dialog Box**

**ii. Administrator Registration**

You can add the administrators of TruGate Manager by Administrator Registration. When the “Register Admin...” button in the Main Menu is clicked, the following dialog box will be displayed. Enter the user name who you want to additionally register as an administrator, then click the “OK” button, and execute authentication.



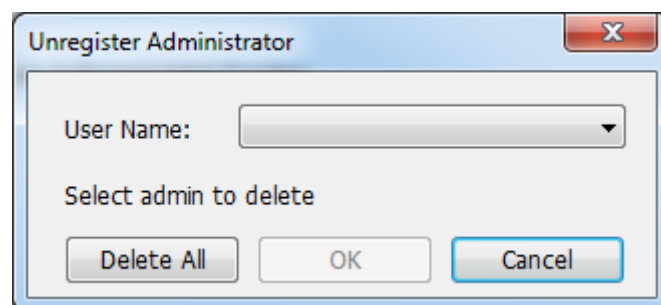
**Figure 18 Administrator Registration**

If the authentication is successful, the administrator will be registered, and the successful message will be shown on the status at returning to the Main Menu.

**iii. Administrator Unregistration**

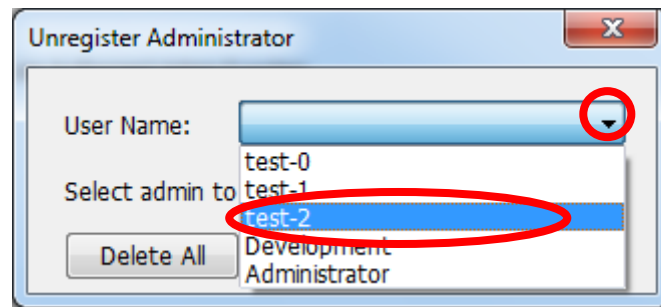
You can remove the administrators of TruGate Manager by Administrator Unregistration.

If the “Unregister Admin...” button in the Main Menu is clicked, Administrator Unregistration dialog box as follows will be displayed.



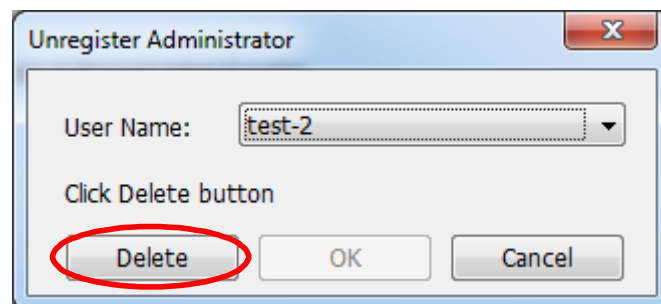
**Figure 19 Administrator Unregistration**

When the dialog box is displayed, select the administrator name you want to unregister from the “User Name” drop down list.



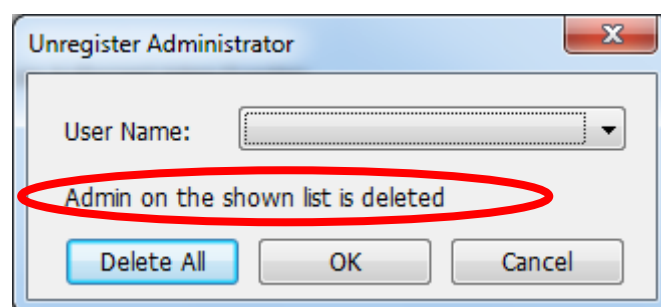
**Figure 20 Administrator Unregistration - select from list**

Click the “Delete” button after selecting the administrator, you want to unregister.



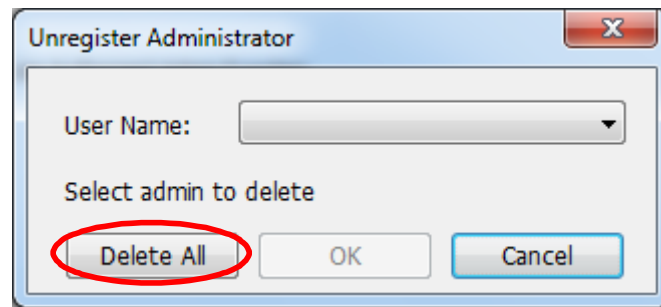
**Figure 21 Administrator Unregistration - unregister**

When the administrator is successfully unregistered from the shown list, a message like below will be displayed. Unregistering of the administrator will be completed when the “OK” button is clicked. If the “Cancel” button is clicked, the unregistering operation will be cancelled.



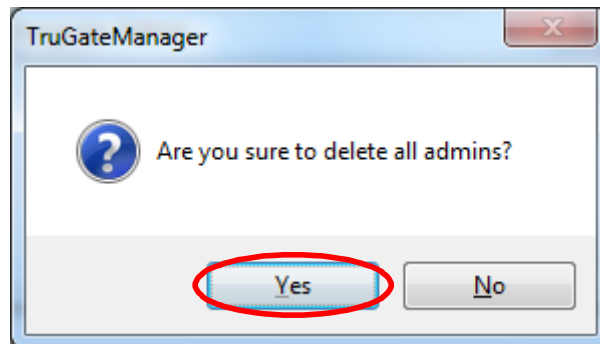
**Figure 22 Administrator Unregistration - unregister from shown list**

In order to unregister all of the administrators, click the “Delete All” button.



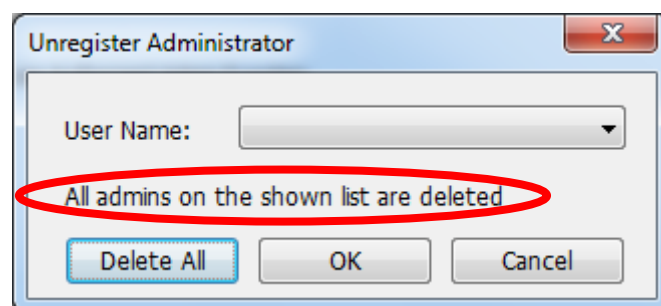
**Figure 23 Administrator Unregistration - unregister all**

A confirmation message like below will be displayed. Click the "Yes" button when you really want to do so.



**Figure 24 Confirmations for Unregistration of All Administrators**

The following message will be displayed if all the administrators are unregistered from the shown list successfully. After clicking the "OK" button, unregistering of all the administrators will be completed. If you click the "Cancel" button, the unregistering operation will be cancelled.



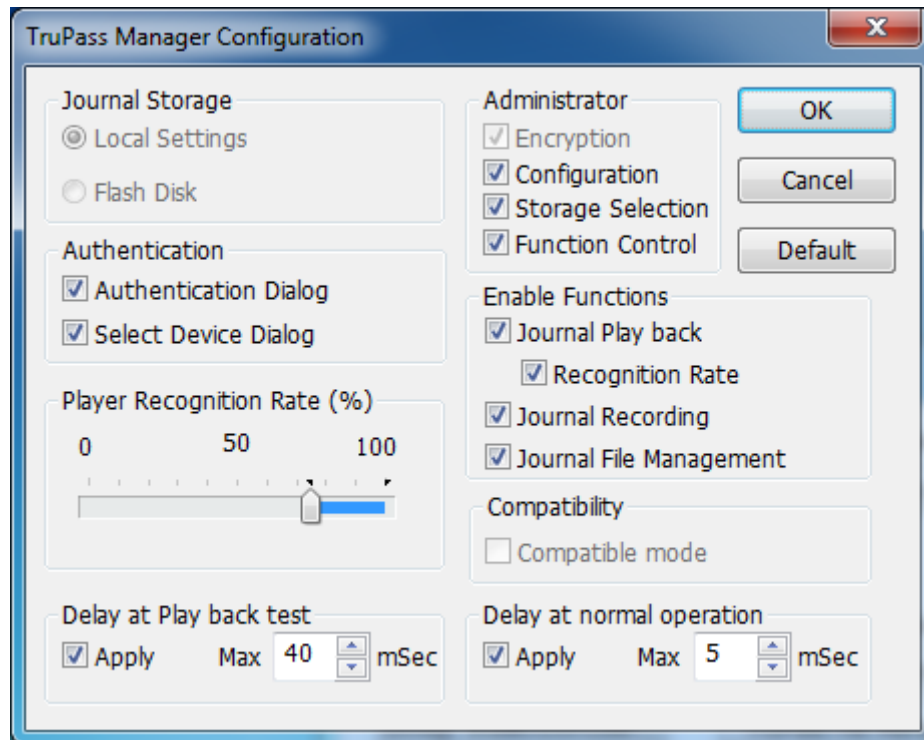
**Figure 25 Administrator Unregistration - unregister all from shown list**

#### iv. TruPass Configuration

You can modify the default value for each function of TruPass Manager by TruPass Configuration. This value is prioritized than the local value configured by the

TruPass Manager on the local PC, then it is possible to restrict the configurable functions on the client PC.

When the “Set TruPass Config...” button in the Main Menu is clicked, TruPass Manager Configuration dialog box as follows will be displayed.



**Figure 26 TruPass Manager Configuration Dialog Box**

**1) Journal Storage**

Designate the storage place for the journal.

**(a) Local Settings**

The journal will be created in the profile area of the local hard disk.

**(b) Flash Disk**

The journal will be created in the flash disk. This option will be available when the Generic USB Flash Memory Device Plug-in is used.

**2) Authentication**

**(a) Authentication Dialog**

It determines whether the Authentication is executed or not at the journal playback.

**(b) Select Device Dialog**

It determines whether the Select Device Dialog is shown or not in the journal playback.



**3) Player Recognition Rate**

For the similar title (the first half of the title is the same) of windows, by decreasing the recognition rate, TruPass will be able to recognize them as the same when it plays back the journal.

**Note: Be caution there will be a possibility that the security gets weak if you decrease the recognition rate since, such as the password will be shown due to wrong recognition of window.**

**4) Delay at Play Back Test**

Set the playback speed for the test of journal recording. There will be a possibility that the characters are missed depending on the PC performance. Therefore, modify this value according to your PC performance.

**5) Delay at Normal Operation**

Set the playback speed of the actual journal playback. There will be a possibility that the characters are missed depending on the PC performance. Therefore, modify this value according to your PC performance.

**6) Administrator Configuration**

Select the functions that you permit the end users to operate by TruPass Manager Configuration.

**(a) Configuration**

Configure whether the TruPass Manager Configuration is available or not.

**(b) Storage Selection**

Configure whether Journal Storage can be configurable or not.

**(c) Function Control**

Configure whether Enable Functions can be configurable or not.

**7) Enable Functions**

Configure whether each function is enabled and changeable by TruPass Manager.

**(a) Journal Play Back**

Set enable/disable of Journal Play Back from Task Tray.

**(i) Recognition Rate**

Set enable/disable of operation for Player Recognition Rate.

**(b) Journal Recording**

Set enable/disable of Journal Recording from Task Tray.

**(c) Journal File Management**

Set enable/disable of Journal File Management from Task Tray.

**8) Compatibility**

Set TruPass whether it uses the journal format compatible with version 2.0 and

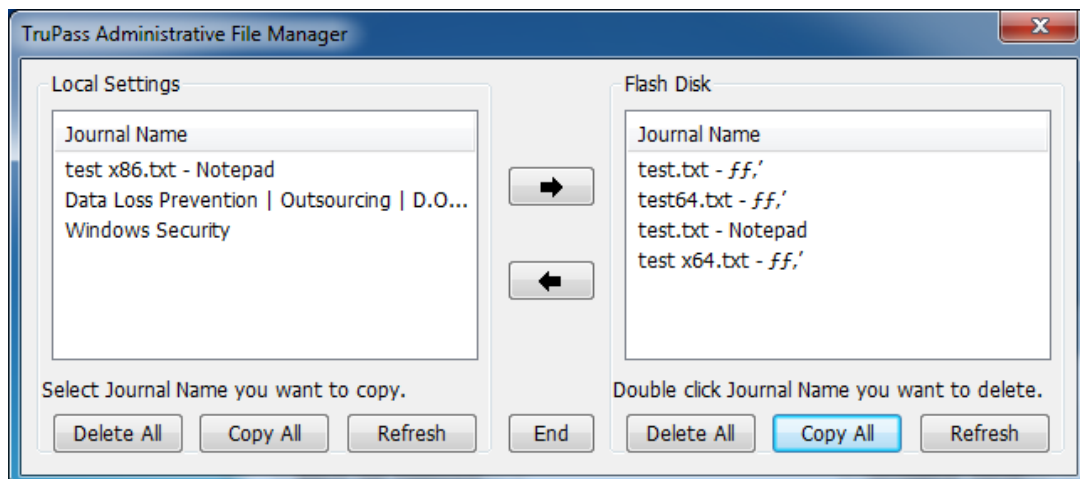
before.

**Note: Compatibility mode is not available for Windows Vista and above.**

**v. TruPass File Management**

The TruPass Administrative File Manager provides the ability of journal file deletion, copy, edit etc.

When the “TruPass File Manage...” button in the Main Menu is clicked, the following dialog box will be displayed.



**Figure 27 TruPass Administrative File Manager Dialog Box**

**1) Copy Individual File**

**(a) Local Settings to Flash Disk**

Select the journal name shown at Local Settings and click ➡ button, and then the selected journal will be copied to Flash Disk.

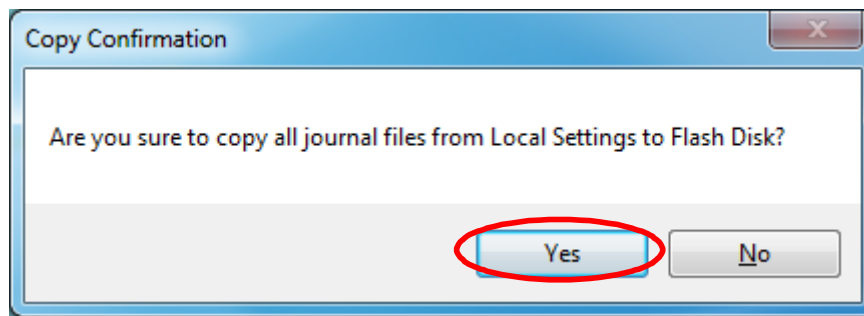
**(b) Flash Disk to Local Settings**

Select the journal name shown at Flash Disk and click ← button, and then the selected journal will be copied to Local Settings.

**2) Copy All Files**

**(a) Local Settings to Flash Disk**

When the “Copy All” button on the Local Settings side is clicked, the following dialog box will be displayed. Click the “Yes” button, then the all journal files will be copied to Flash Disk.

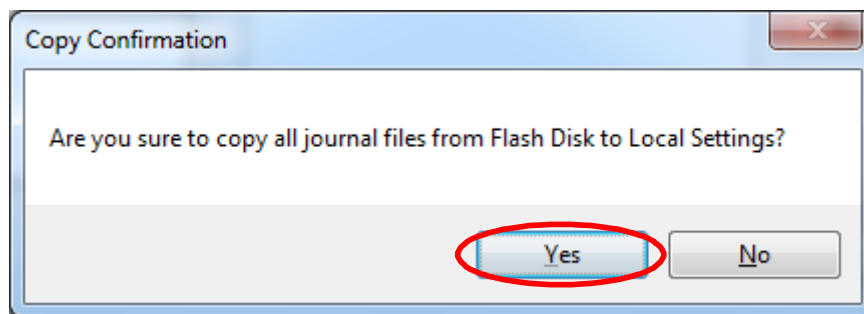


**Figure 28 Confirm of copying all journal files - 1**

If you want to copy to another user's flash disk, replace the flash disk and repeat the above operation.

**(b) Flash Disk to Local Settings**

When the "Copy All" button on the Flash Disk side is clicked, the following dialog box will be displayed. Click the "Yes" button, then the all journal files will be copied to Local Settings.



**Figure 29 Confirm of copying all journal files - 2**

**3) Delete All Files**

**(a) Delete All Journal Files on Local Settings**

When the "Delete All" button on the Local Settings side is clicked, the following dialog box will be displayed. Click the "Yes" button, and then the all journal files on Local Settings will be deleted.

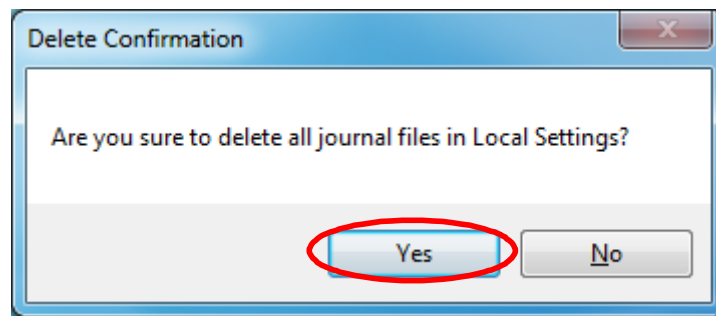


Figure 30 Confirm of deleting all journal files - 1

**(b) Delete All Journal Files on Flash Disk**

When the "Delete All" button on the Flash Disk side is clicked, the following dialog box will be displayed. Click the "Yes" button, and then the all journal files on Flash Disk will be deleted.

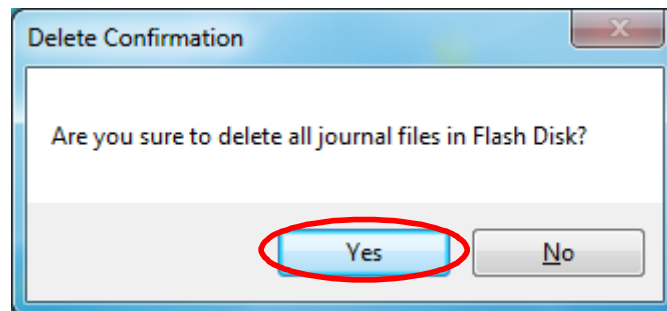


Figure 31 Confirm of deleting all journal files - 2

If you want to delete the journal files in another user's flash disk, replace the flash disk and repeat the above operation.

**4) Delete Individual File**

**(a) Delete a Journal File on Local Settings**

Select the journal name shown at Local Settings and double click, then the selected journal will be deleted.

**(b) Delete a Journal File on Flash Disk**

Select the journal name shown on Flash Disk and double click, then the selected journal will be deleted.

**5) Edit Journal File**

**(a) Edit Journal File on Local Settings**

Select the journal name shown at Local Settings and click the right mouse button, then the following edit dialog box will be displayed.

**(b) Edit Journal File on Flash Disk**

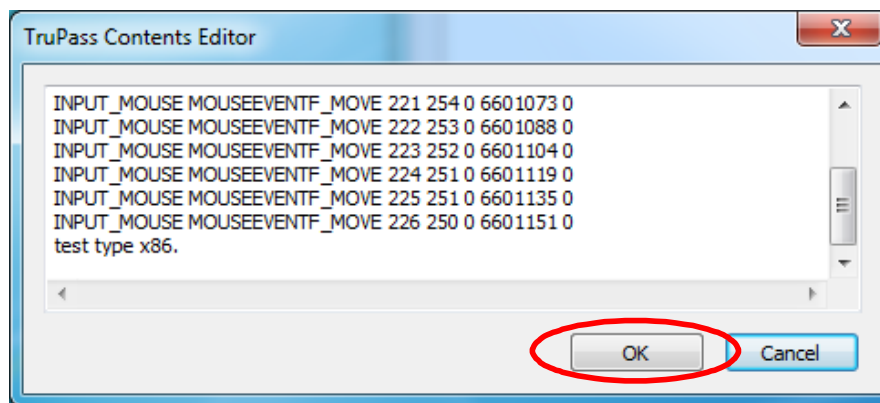
Select the journal name shown on Flash Disk and click the right mouse

button, then the following edit dialog box will be displayed.

**(c) Data Format of Journal File**

The following shows the file format of the journal. The field is separated by "space". The continuous key input event will be displayed after converting to the strings.

1 <sup>st</sup> field:	event type ID
2 <sup>nd</sup> field:	event description
3 <sup>rd</sup> field:	mouse position (X) or virtual key code
4 <sup>th</sup> field:	mouse position (Y) or key scan code
5 <sup>th</sup> field:	mouse data or key input time value
6 <sup>th</sup> field:	mouse time value or key additional info
7 <sup>th</sup> field:	mouse additional info (only INPUT_MOUSE event type)



**Figure 32 Journal File Editing screen**

In the pane of TruPass Contents Editor, delete the unnecessary mouse operation (example: MOUSEEVENTF\_MOVE pointing the same position), edit the string of user name and password according to your necessity. To save the edited result, click the "OK" button. The existing data will be overwritten. If you click the "Cancel" button, the edited data will be discarded.

**Note: Available characters are alphanumeric and numerical symbols. It is not guaranteed if invalid characters are used.**

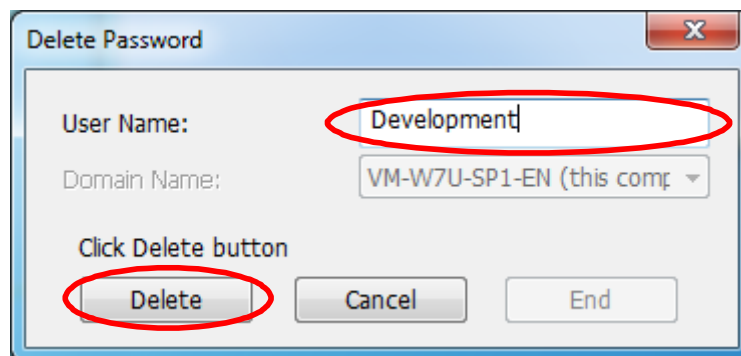
**vi. Delete Password**

Delete Password deletes the password that is used to log on to Windows by TruGate.

**Note: Delete Password will not delete the password of Windows OS.**

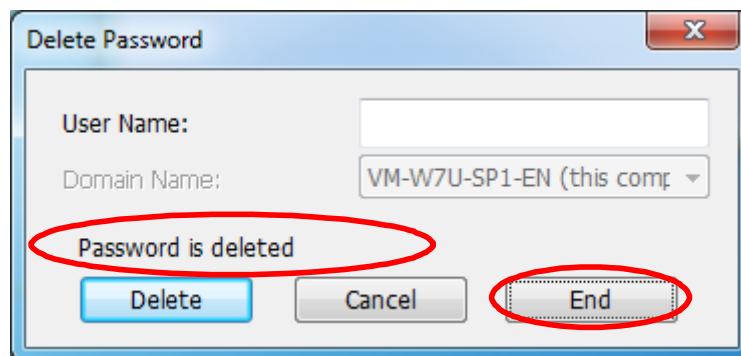
When the "Delete Password..." button in the Main Menu is clicked, the following dialog box will be displayed. Enter the user ID in "User Name" edit box and click the "Delete" button.

**Note: If you use TruGate and set the password to both domain and Workgroup, please specify the target of deletion by “Domain Name” list box.**



**Figure 33 Delete Password Dialog Box**

If the deletion is successful, the message as follows will be displayed.



**Figure 34 Delete Password Dialog Box - end**

If you want to delete the other user's password, repeat the above procedure.

To complete the operation, click the “End” button and return to the Main Menu.

#### **vii. Password Batch Registration**

You can register the password at once by using the Password Batch Registration function with the prepared CSV file.

##### **1) Data Format of CSV file**

The following shows the data format of the CSV file. The title header of the field name is not necessary.

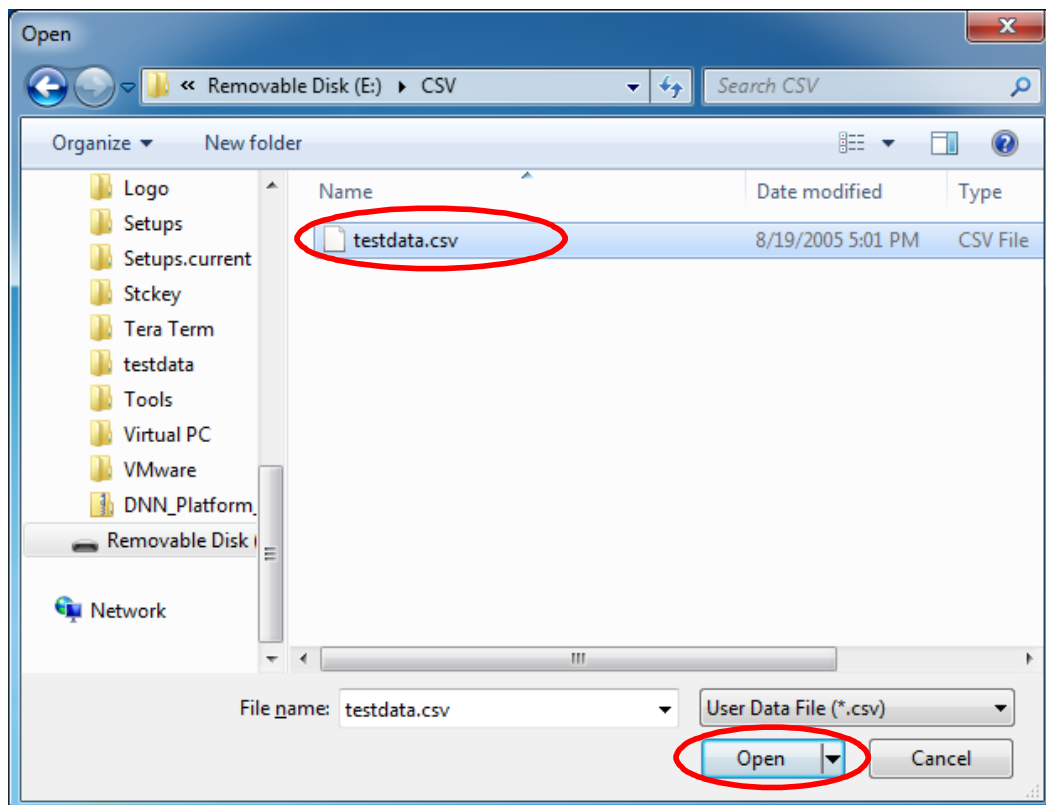
- |                        |  |
|------------------------|--|
| 1 <sup>st</sup> field: | sequential number or ID (for only display. You can specify any, but it should exist) |
| 2 <sup>nd</sup> field: | user ID of Windows (necessary)   |
| 3 <sup>rd</sup> field: | password of Windows (necessary)  |
| 4 <sup>th</sup> field: | user info, name, etc. (for only display. You can specify any.)                       |
| 5 <sup>th</sup> field: | domain name or local PC name (if not exists, the local PC                            |

name will be applied)

6<sup>th</sup> and above field: will be ignored

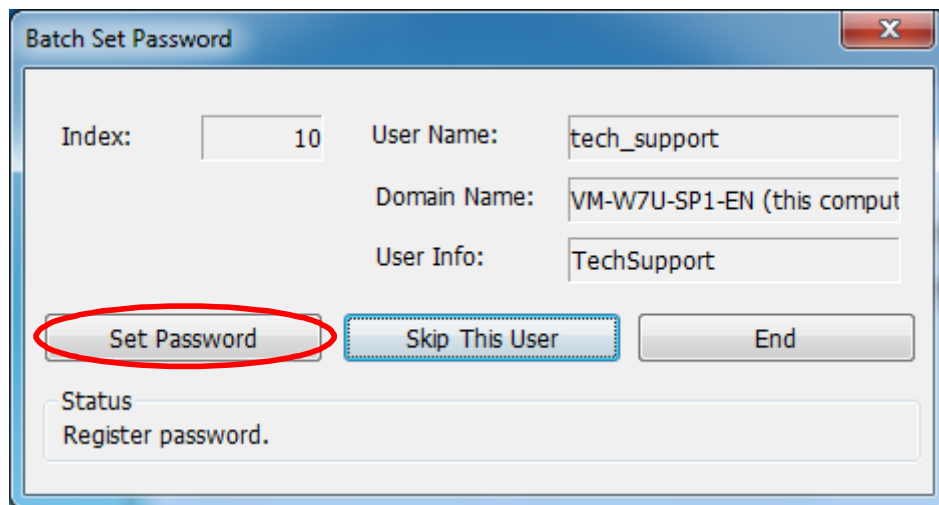
**Note: The 5<sup>th</sup> field will determine the target that the password is set.**

When the “Batch Set Password...” button in the Main Menu is clicked, the following dialog will be displayed. If “Open” dialog is displayed, select the CSV file you are going to set and click the “Open” button.



**Figure 35 Select CSV File**

If the CSV file is read normally, the following dialog box will be displayed. Click the “Set Password” button, then the password will be registered.

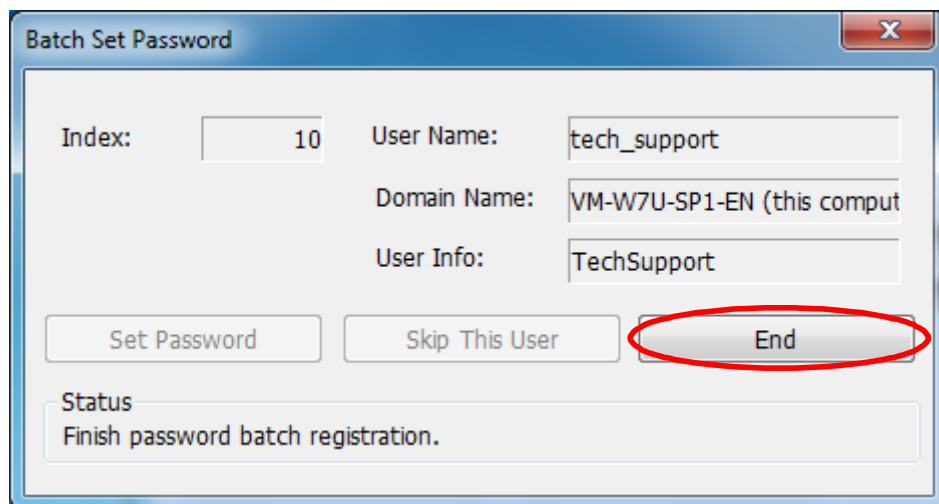


**Figure 36 Password Batch Registration Dialog Box**

If the password is correctly set, the user info as follows will be shown, so repeat the operation mentioned above.

Also, if you want to skip the displayed user, click the “Skip This User” button. Then the next user info will be displayed without registering the password.

To finish the operation, click the “End” button, and return to the Main Menu.



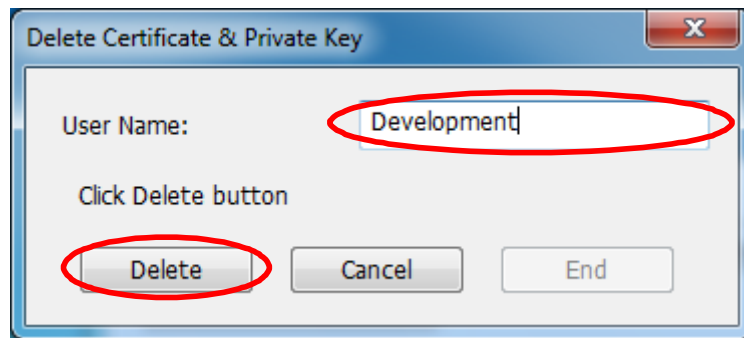
**Figure 37 Password Batch Registration Dialog Box - end**

#### **viii. Delete Certification and Private Key**

By Delete Certification and Private Key, you can delete the certificate and private key used by TruCSP.

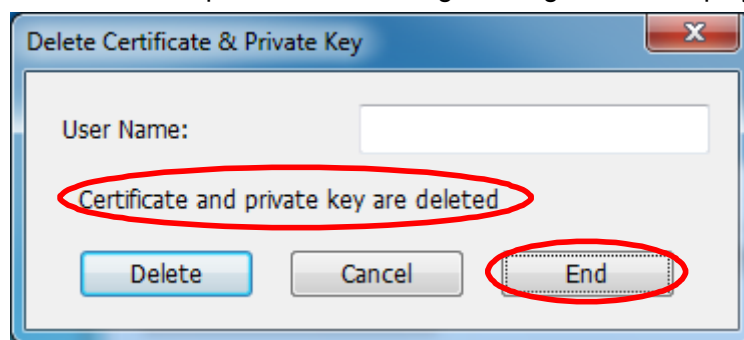
When the “Delete Cert & Priv Key...” button in the Main Menu is clicked, the dialog box as follows will be displayed. Then enter the user name in “User Name” edit box, and click the “Delete” button.





**Figure 38 Delete Certification and Private Key Dialog Box**

If the deletion is completed, the following message will be displayed.



**Figure 39 Delete Certification and Private Key Dialog Box - end**

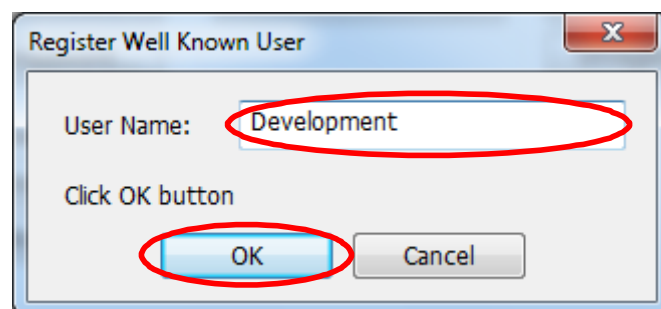
If you want to continuously delete other user's certificate and private key, repeat the operation mentioned above.

To finish the operation, click the "End" button, and return to the Main Menu.

**ix. Register Well Known User**

By Register Well Known User, you can additionally register the Well Known User.

When the "Reg. Well Known User..." button in the Main Menu is clicked; the dialog box as follows will be displayed. Enter the user name who you want to additionally register as Well Known User in "User Name" edit box, and then click the "OK" button.



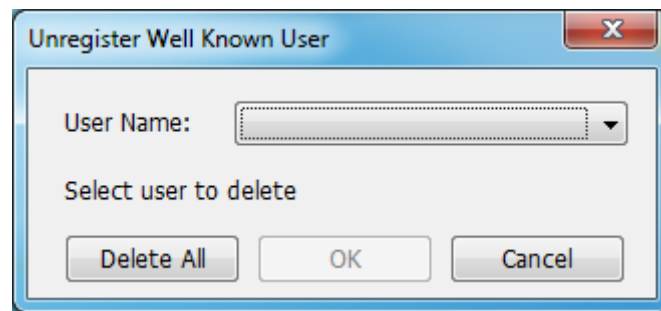
**Figure 40 Well Known User Registration Dialog Box**

If the Well Known User is successfully added, the message such as “Well Known User is added” will be displayed when it returns to the Main Menu.

**x. Unregister Well Known User**

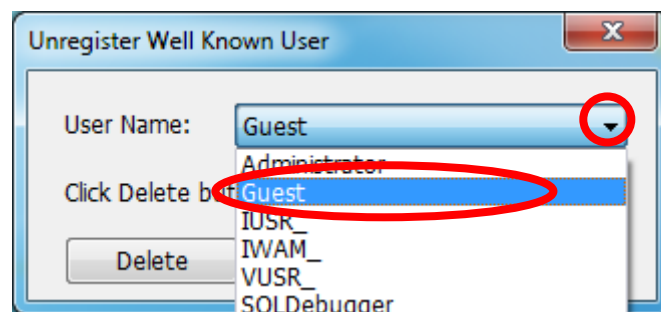
By Unregister Well Known User, you can delete registered Well Known User.

When the “Unreg. Well Known User...” button in the Main Menu is clicked; the dialog box as follows will be displayed.



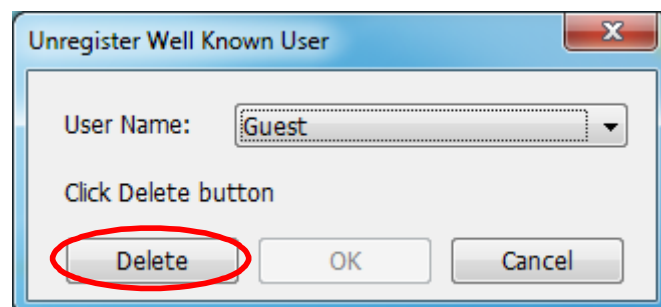
**Figure 41 Well Known User Unregistration Dialog Box**

To delete individually, select the user name from the “User Name” drop down list.



**Figure 42 Well Known User Unregistration Dialog Box - select from list**

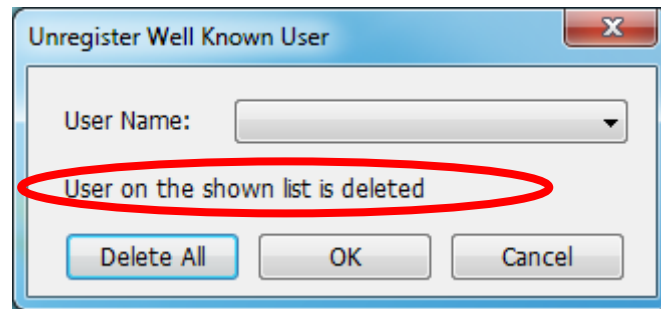
Then, click the “Delete” button.



**Figure 43 Well Known User Unregistration Dialog Box - unregister**

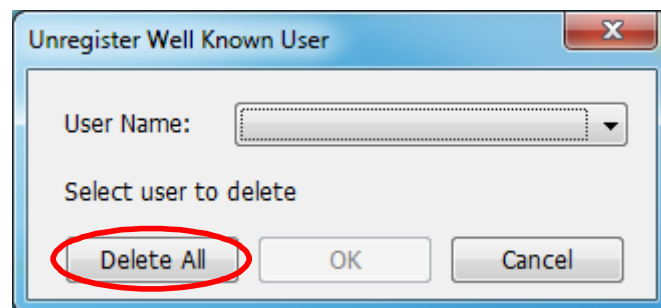
If the Well Known User is successfully deleted from the list, the message such as follows will be displayed. To complete the deletion, click the “OK” button. To discard

the operation, click the “Cancel” button.



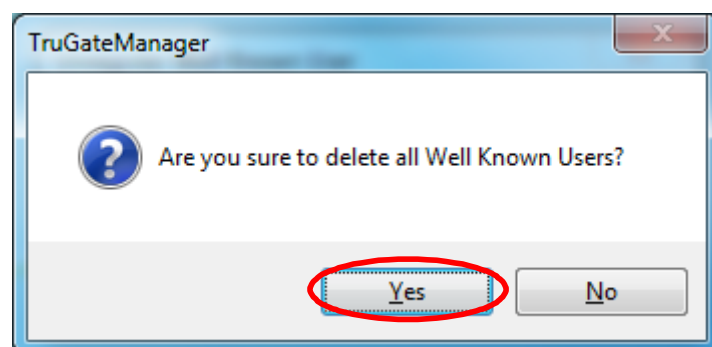
**Figure 44 Well Known User Unregistration Dialog Box - unregister from list**

If you want to delete the all Well Known Users, click the “Delete All” button.



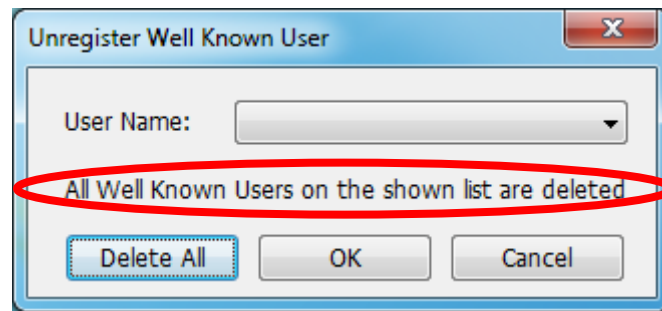
**Figure 45 Well Known User Unregistration Dialog Box - unregister all**

In the case of Delete All, the confirmation message as follows will be displayed. If you are really sure to delete the all Well Known Users, click the “yes” button.



**Figure 46 Message to confirm of unregistering all Well Known Users**

If the all Well Know Users are successfully deleted from the list, the message as follows will be displayed. To complete the deletion of all Well Known Users, click the “OK” button. To discard the operation, click the “Cancel” button.

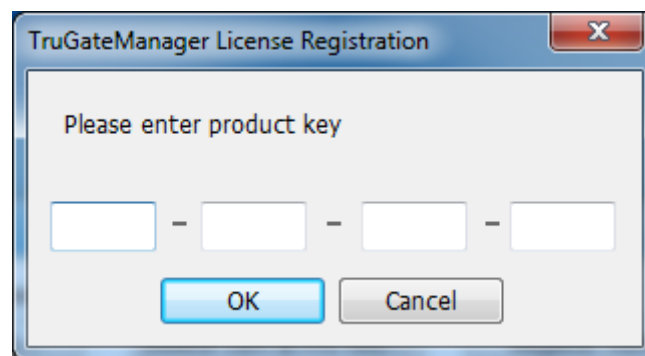


**Figure 47 Unregister Well Known User - unregister all of Well Known Users from the list**

**xi. License Registration**

To register the product license, click the "License..." button in the Main Menu.

When License Registration dialog box appears, click the "OK" button after entering the product key you obtained separately in the edit box. If the "Cancel" button is clicked, the License Registration operation will be cancelled.



**Figure 48 License Registration**

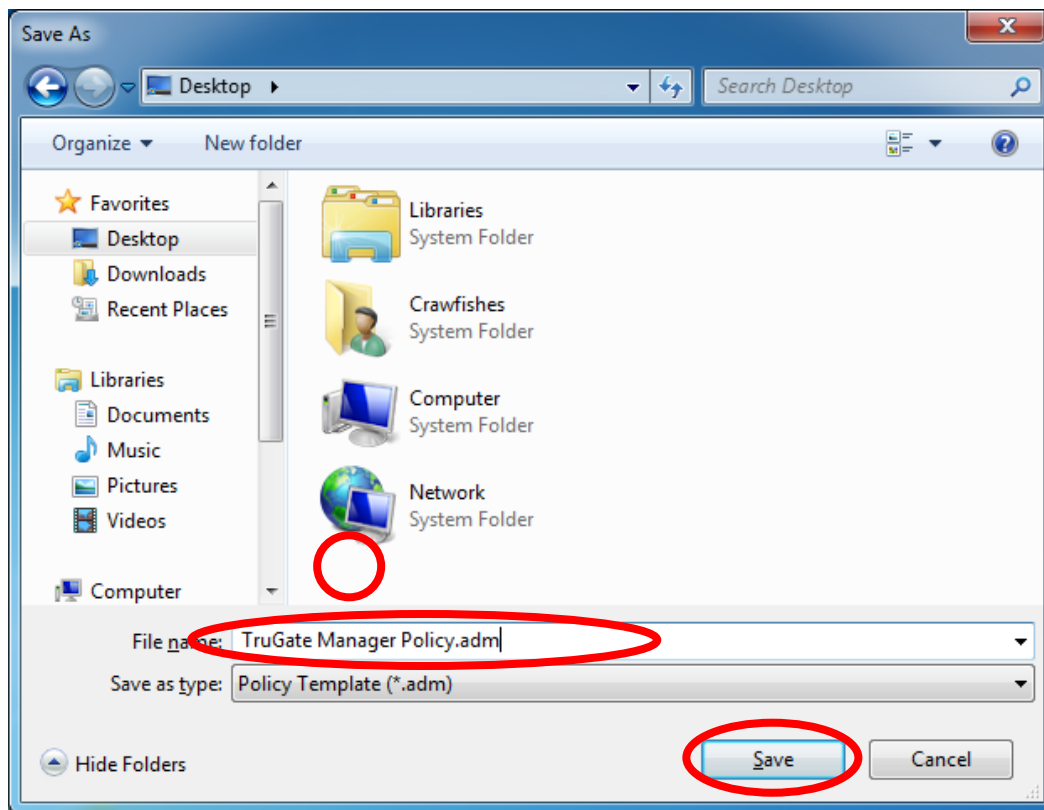
If the verification of product key is successfully done, and the registration is normally completed, the "License..." button on the Main Menu will disappear.

**xii. Export of Configuration File**

There is a function to export the configuration file on the volume license edition.

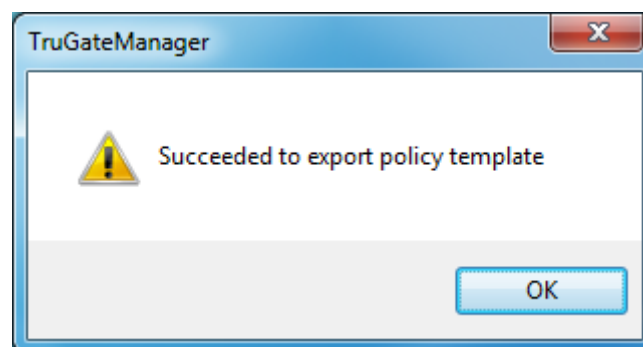
To export the configuration file, click the "Export..." button on the Main Menu.

If the "Save As" dialog box is displayed, designate the location to which you want to export the file, and select "Policy Template" or "Registry File" from the "Save as type" drop down list, then enter the file name in the "File name" combo box, and click the "Save" button. If you click the "Cancel" button, the export will be cancelled.



**Figure 49 Export of Configuration File**

If the export was successful, the “End of Export” dialog box is shown as follows. Click the “OK” button.



**Figure 50 End of Export**

### **xiii. End of TruGate Manager**

After completing operation, click the “OK” button in the Main Menu to end TruGate Manager.

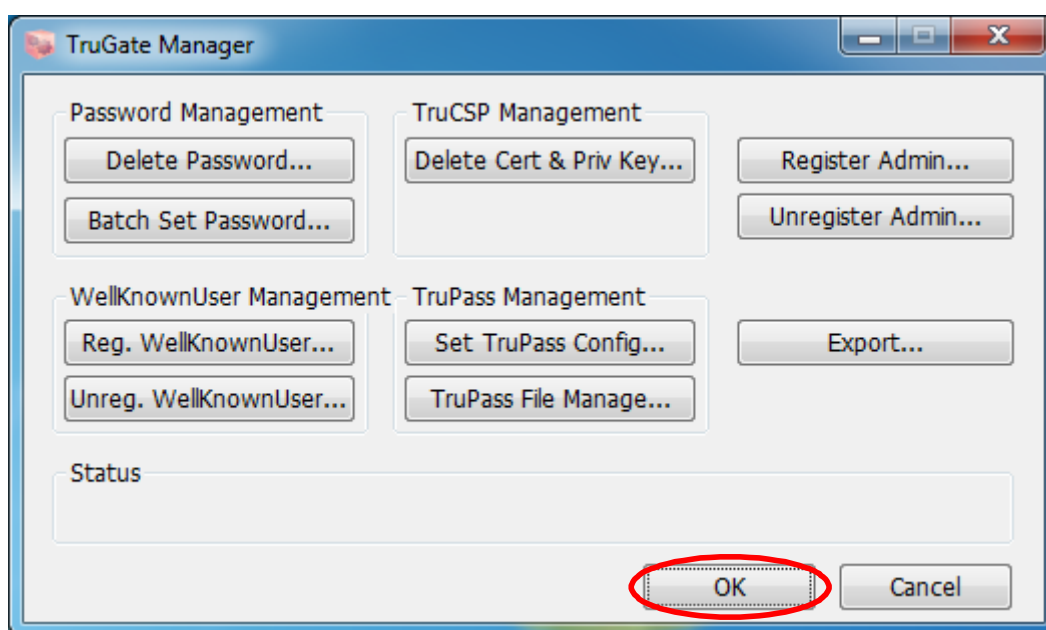


Figure 51 End of TruGate Manager Dialog Box

## 7. Hints of Operation

### a. Distribution of Journal File

At setting of TruPass Manager Configuration, if the Journal Storage was selected as Local Settings, the journal file will be created in the folder under the user profile as follows with encoded file name, hidden and system property (1 file per 1 journal).

Local Settings¥Application Data¥TruStack¥TP¥Cache(in the case of XP)

AppData¥Local¥TruStack¥TP¥Cache (in the case of Windows 7 and above)

You can distribute this journal file created by administrative client PC to each client PC by the administration tool, at once.

### b. Distribution of Configuration Data

You can distribute the TruPass Manager configuration created on the administrative client PC through the export function of TruGate Manager volume license edition to each client PC by the administration tool, at once.

### c. Distribution of Well Known User List

You can distribute the TruGate configuration, including Well Known User list created on the administrative client PC through the export function of TruGate Manager volume license edition to each client PC by the administration tool, at once.

## 8. Distribution Example using Policy Template

**Note: The following operation of the application should be made with domain administrator privilege.**

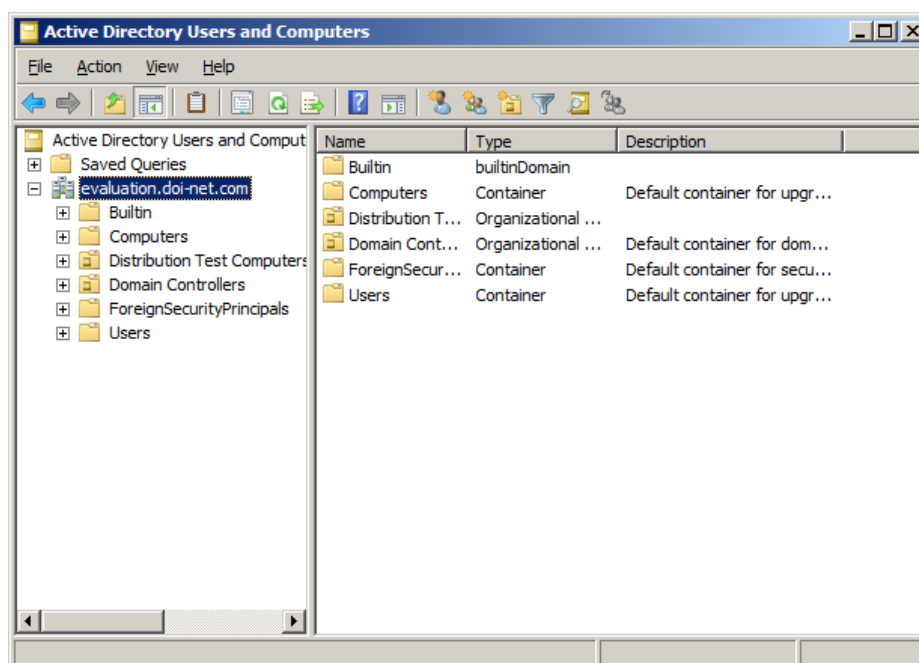
### a. Create Group Policy Object for Distribution

In this section, you make the group policy object, and link it to the Active Directory Container containing the distribution target client PCs.

#### i. Launch Active Directory Users and Computers

On Active Directory Server, click in the order of “Start” – “Windows Administrative Tools” – “Active Directory Users and Computers”.

If it is launched normally, Active Directory Users and Computers console as follows will be displayed.

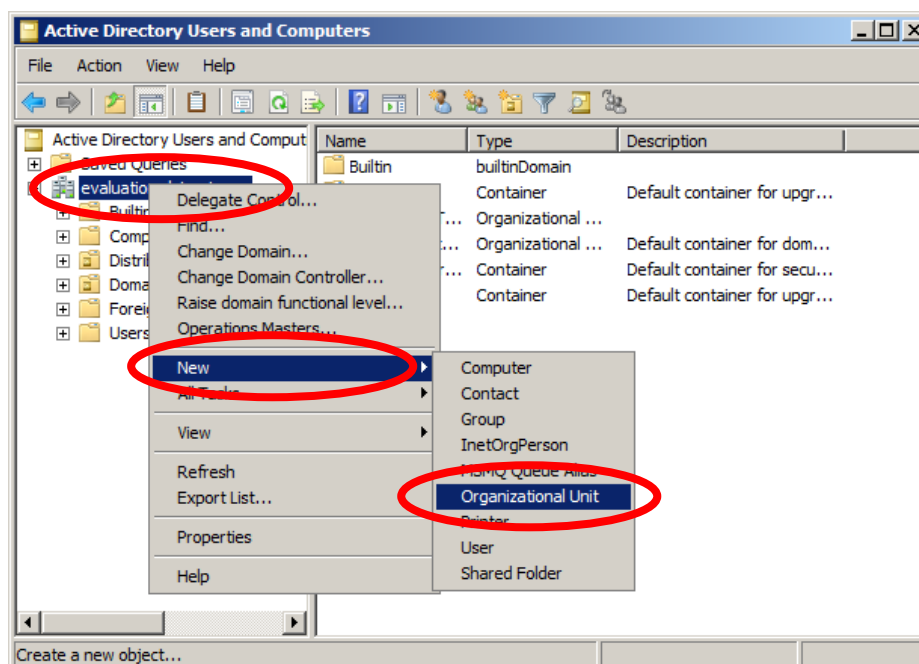


**Figure 52 Active Directory Users and Computers - launch**

#### ii. Create New OU

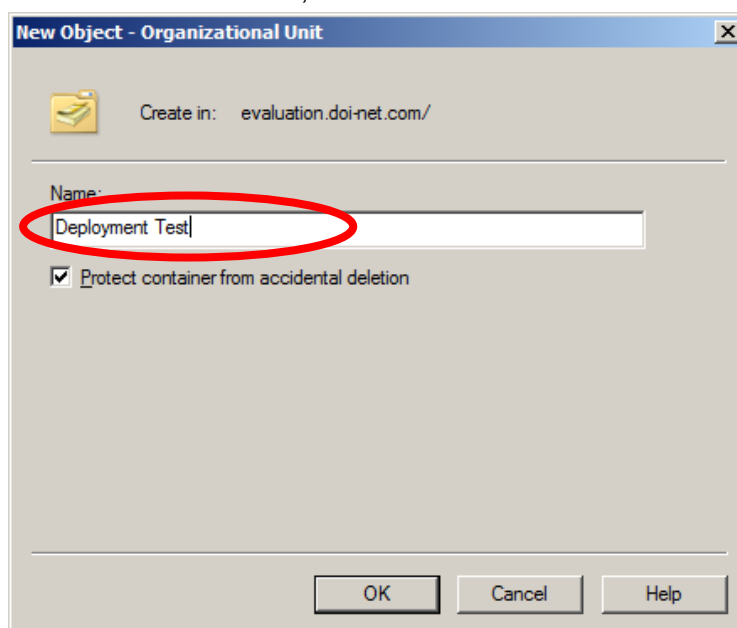
When Active Directory Users and Computers console is displayed, click the right mouse button on the distribution target domain in the left pane, and select “New” – “Organizational Unit”.





**Figure 53 Active Directory Users and Computers - create new OU**

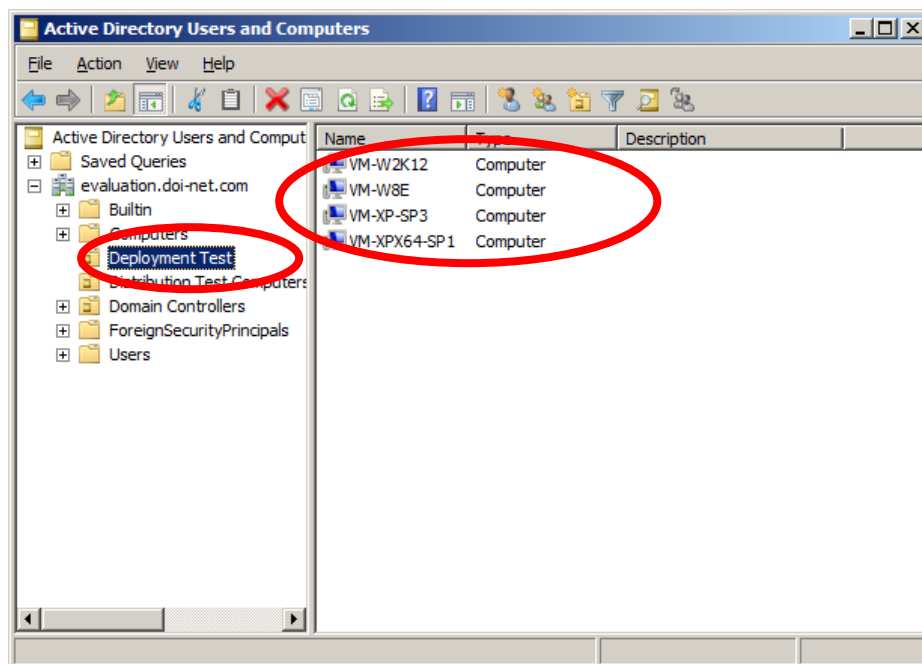
When New Object - Organizational Unit dialog box as follows is displayed, enter any OU name in “Name” edit box, and click the “OK” button.



**Figure 54 Create OU**

### iii. Registration of Distribution Target Client PCs

When it returns to Active Directory Users and Computers console, select the created OU in the left pane, and register the distribution target client PCs in the right pane. Then, close Active Directory Users and Computers console.

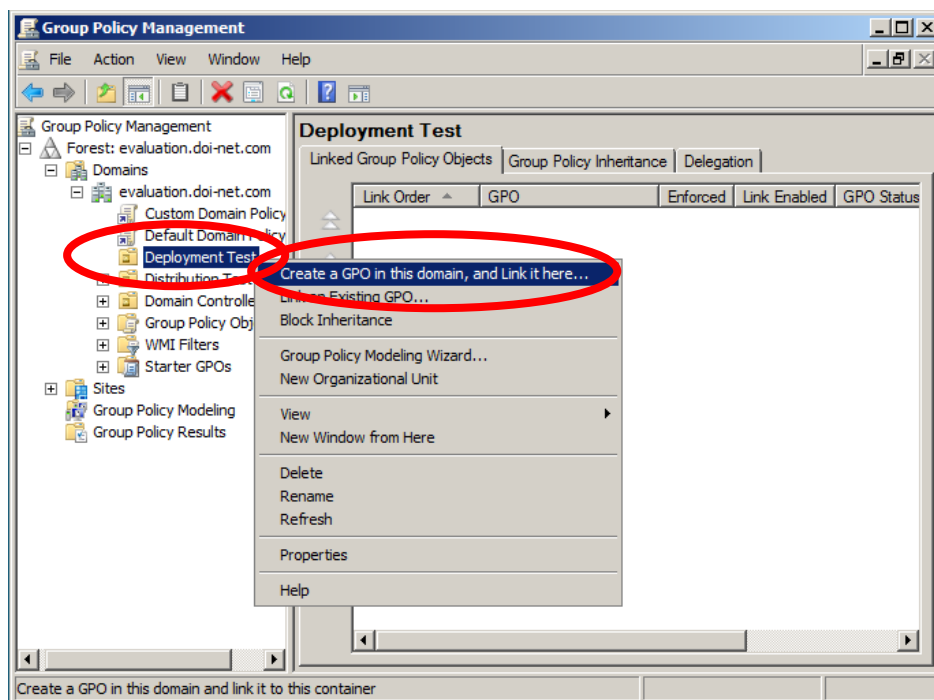


**Figure 55 Active Directory Users and Computers - register PCs to new OU**

**iv. Create New Group Policy Object**

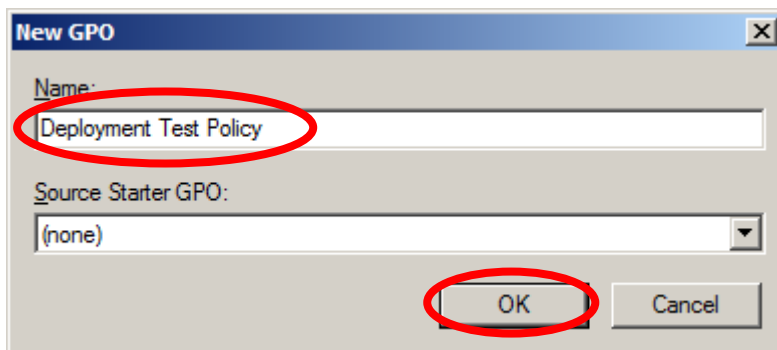
Next, click in the order of “Start” – “Windows Administrative Tools” – “Group Policy Management”.

When Group Policy Management console as follows is displayed, click the right mouse button on the newly created OU in the left pane, and select “Create a GPO in this domain, and Link it here...”



**Figure 56 Group Policy Management - create new GPO**

When New GPO dialog box as follows is displayed, enter any Policy Name in “Name” edit box, and click the “OK” button.



**Figure 57 New GPO - designate Name**

When it brings back to the Group Policy Management console, click the right mouse button on the newly created policy in the left pane, and select “Edit...”

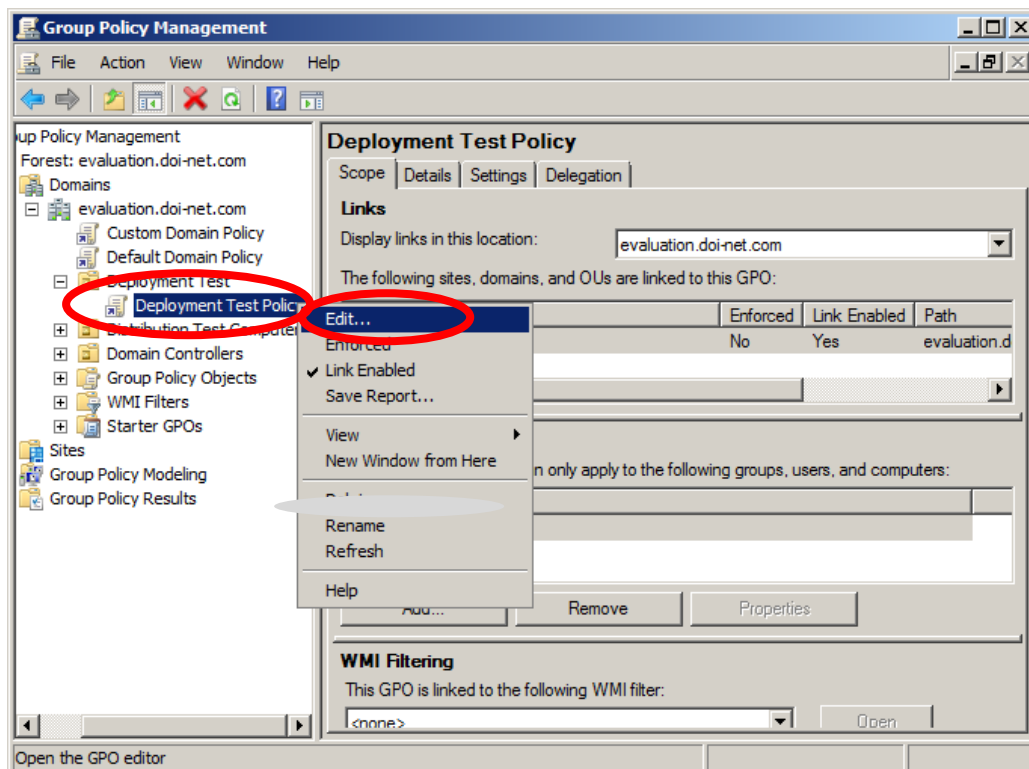


Figure 58 Group Policy Management - edit Policy

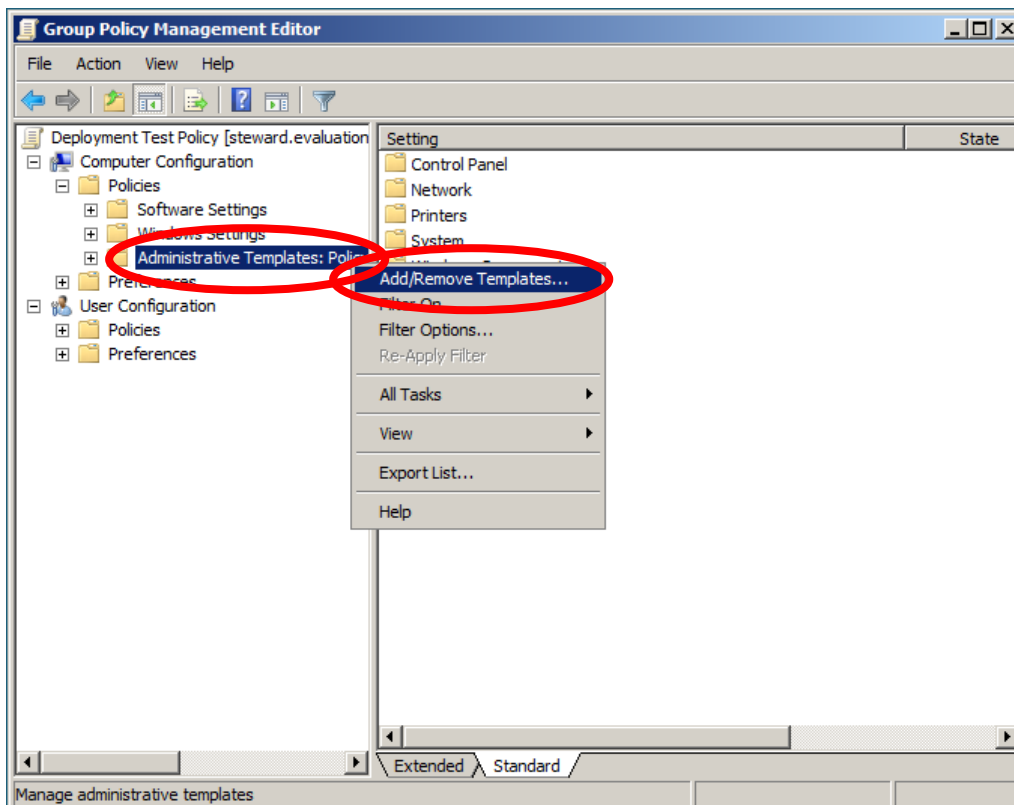
**b. Create Group Policy for Distribution**

After creating the group policy object, create the distribution group policy.

**i. Template Configuration**

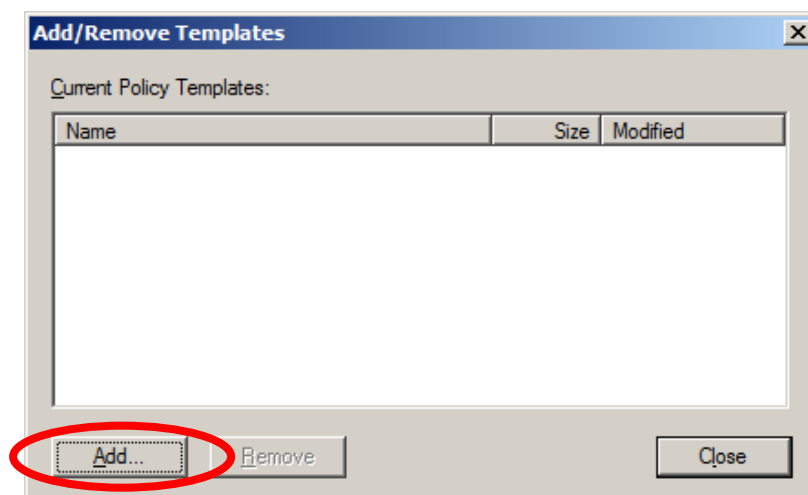
**1) Add Template**

After creating the group policy object, import the administrative template. First, copy the ADM file which is exported by the TruGate Manager to the <OS folder name>\inf folder of Active Directory Server. Then, on Group Policy Management Editor console, click the right mouse button on “Administrative Templates: Policy definitions” in the left pane, and select “Add/Remove Templates...”



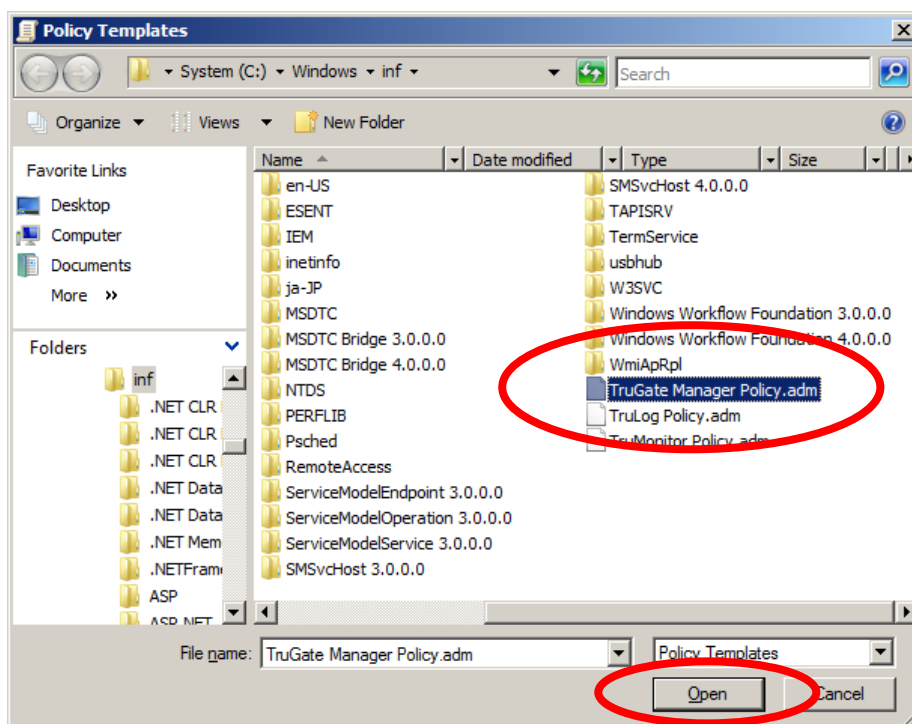
**Figure 59 Group Policy Management Editor - add Template**

When Add/Remove Templates dialog box as follows is displayed, click the “Add...” button.



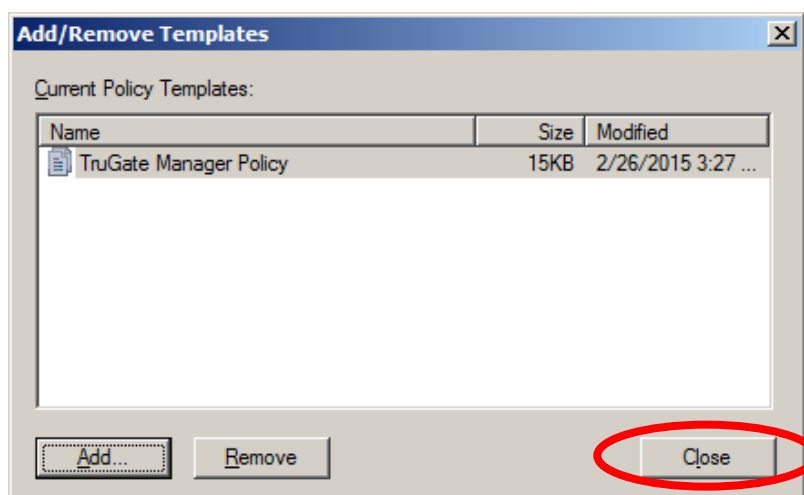
**Figure 60 Add/Remove Templates - launch**

If Policy Templates dialog box is displayed, select the copied ADM file, and click the “Open” button.



**Figure 61 Select TruGate Manager Policy Template**

After completing to add the template, click the “Close” button on Add/Remove Template dialog box.



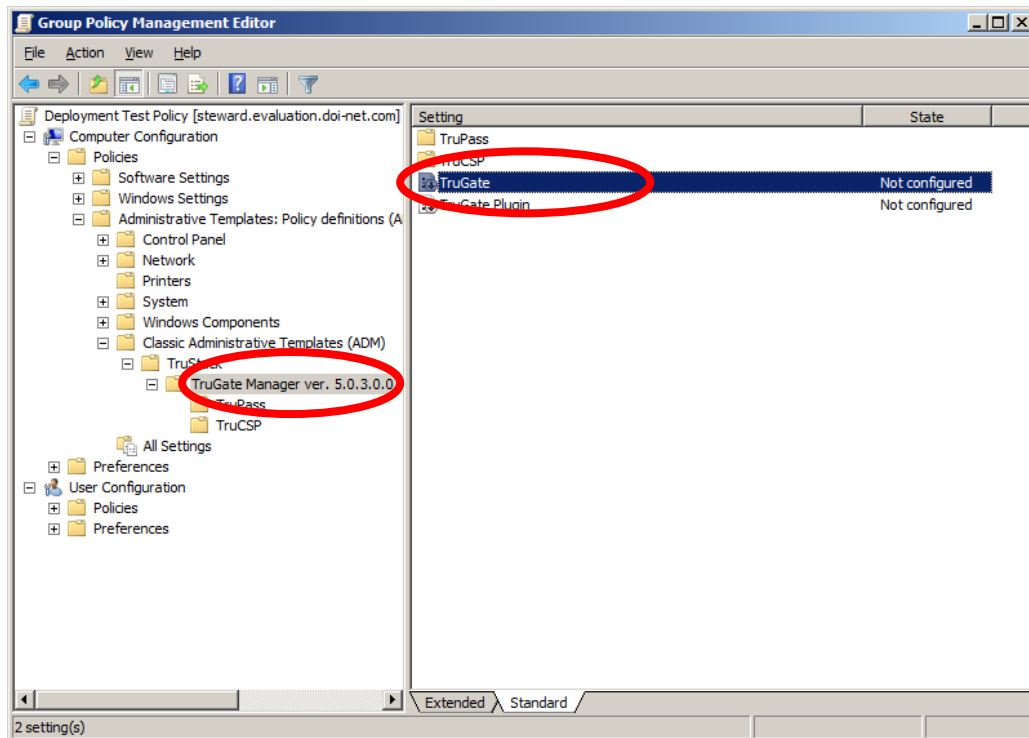
**Figure 62 Add/Remove Templates - TruGate Manager Template added**

## 2) Template Settings

When it returns to the Group Policy Management Editor console, select in the order of “Administrative Templates: Policy definitions” – “Classic Administrative Templates” – “TruStack” – “TruGate Manager ver.x.x.x” in the left pane, and

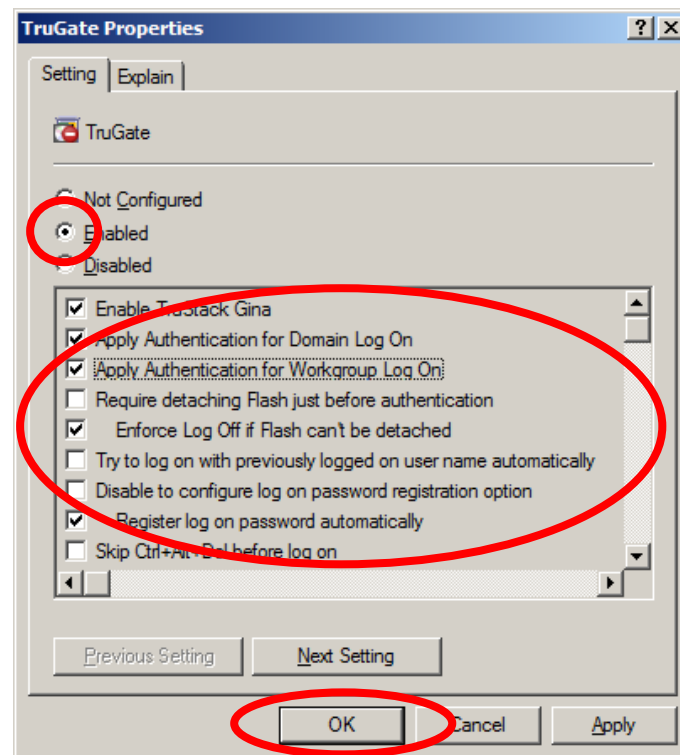
double click “TruGate” in the right pane.

**Note: The template setting will override the setting configured by the client user. Please use the template if you want to apply it to the client PCs at once.**



**Figure 63 Group Policy Management Editor - TruGate settings**

When TruGate Properties dialog box as follows is displayed, select the “Enabled” radio button and enter the setting data in the lower pane. Generally, however, this product should be used without modification.



**Figure 64 TruGate Properties**

**(a) Apply Authentication for Domain Log On**

This feature will be valid if the “Enable TruStack Gina” check box is checked. Here, the device authentication will be applied when logging on to the domain or unlocking the workstation.

**(b) Apply Authentication for Workgroup Log On**

This feature will be valid if the “Enable TruStack Gina” check box is checked. Here, the device authentication will be applied when logging on to the Workgroup and unlocking the workstation.

**(c) Require detaching Flash just before authentication**

This feature will be valid if the “Enable TruStack Gina” check box is checked. If the “Require detaching Flash just before authentication” check box is checked, TruStack Gina will try to detach the USB flash memory before the authentication at Windows Logon or Unlock Workstation. Due to detaching the USB flash memory, it is requested to re-attach the USB flash memory and re-authenticate the user.

**Note: It is necessary that TruLog Service Ver.5.0.0 or later should be installed and running to achieve its functionality in the case of Windows Vista or later.**



**(i) Enforce Log Off if Flash can't be detached**

This feature will be available when the "Require detaching Flash just before authentication" check box is checked. If this check box is checked, when TruStack Gina tries to detach the USB flash memory, according to "Require detaching Flash just before authentication", and the USB flash memory can't be detached, it will execute Log off instead.

**(d) Try to log on with previously logged on user name automatically**

This feature will be valid if the "Enable TruStack Gina" check box is checked. If this check box is checked TruStack Gina tries to log onto Windows with previously logged on user name.

**(e) Disable to configure log on password registration option**

This feature will be valid if the "Enable TruStack Gina" check box is checked. If this check box is checked "Register Log on Password automatically" as follows will be disabled.

**(i) Register log on password automatically**

This feature will be valid if the "Enable TruStack Gina" check box is checked. If this check box is checked the password will be registered in the database automatically. This feature will be used if the password is not registered by the TruGate Configuration Utility. If the password is already registered, it will be overwritten in the case of the user name is same. Please uncheck this check box as soon as possible after the registration is completed.

**(f) Skip Ctrl+Alt+Del before logging on**

This feature will be valid if the "Enable TruStack Gina" check box is checked. If this check box is checked the request of Ctrl+Alt+Del key pressing before displaying Windows log on screen will be skipped even if "Secure Logon" of "User Accounts" for the OS is enabled.

**(g) Select action of Ctrl+Alt+Del after logged on**

This feature will be valid if the "Enable TruStack Gina" check box is checked. Select the action from the drop down list that OS performs when Ctrl+Alt+Del key is pressed. Generally, however, this product should be used without modification.

**(h) Product Key**

Enter the product key of the TruGate volume license edition you obtained separately in this edit box without hyphen (-).

**(i) Use ODBC**

If you want to use the database other than the default database of TruGate, check this check box.

**(i) Data Source Name**

This feature will be valid if the “Use ODBC” check box is checked. Enter the data source name in this edit box.

**(ii) User Name**

This feature will be valid if the “Use ODBC” check box is checked. If the user name connects the database server is specified, enter it in this edit box.

**(iii) Password**

This feature will be valid if the “Use ODBC” check box is checked. If the password connects the database server is specified, enter it in this edit box. Generally, however, this should be used without modification.

**(j) Use Local Database**

If you allow the end users to be authenticated by using the cached data at off line, check this check box.

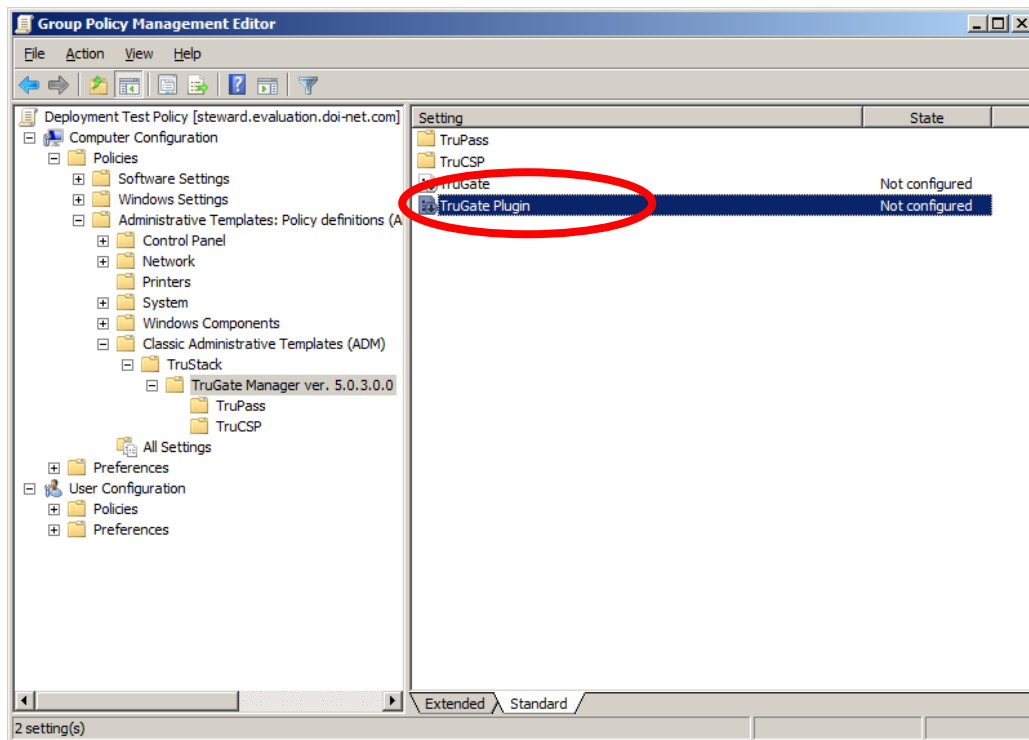
**(i) Data Base File Name**

In the case of sharing the database file that is located on the server, enter the full UNC path of database file name in this edit box. For example, enter \\file server\share\file name.db.

**Note: If you share the database file, please carefully grant the Read/Write right of the file to OU only. We recommend you to use ODBC instead of sharing the database file.**

When you have finished the settings, click the “OK” button.

If you returned to the Group Policy Management Editor console, double click “TruGate Plugin” in the right pane.



**Figure 65 Group Policy Management Editor - TruGate Plugin settings**

When TruGate Plugin Properties dialog box as follows is displayed, select the “Enabled” radio button and enter the setting data in the lower pane. Generally, however, this product should be used without modification.

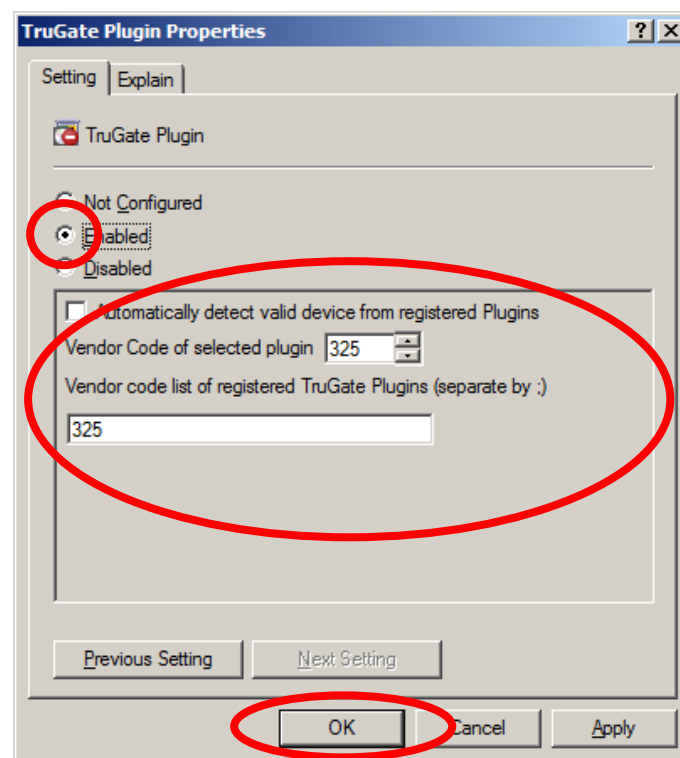


Figure 66 TruGate Plugin Properties

**(k) Automatically detect valid device from registered Plugins**

If this check box is checked, the first enumerated device of “Vendor Code of selected plugin” will be automatically used in authentication. If that device is not available, the next enumerated device will be used automatically.

**(l) Vendor Code of selected plugin**

Specify the default Plugin number that will be applied in the authentication. The Plugin number to be designated should be included in the list of “Vendor code list of registered TruGate Plugins”.

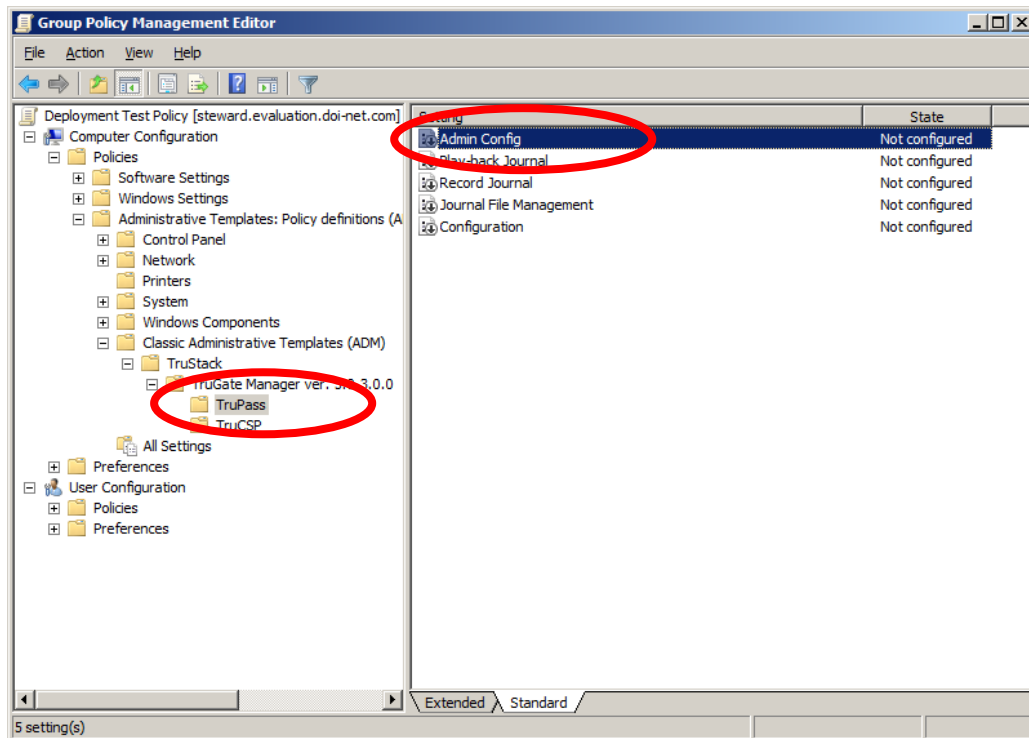
**(m) Vendor code list of registered TruGate Plugins**

Show the list of TruGate Plug-in numbers that were installed into the client PC.

When you return to the Group Policy Management Editor console, select in the order of “Administrative Templates: Policy definitions” – “Classic Administrative Templates” – “TruStack” – “TruGate Manager ver.x.x.x” – “TruPass” in the left pane, and double click “Admin Config” in the right pane.

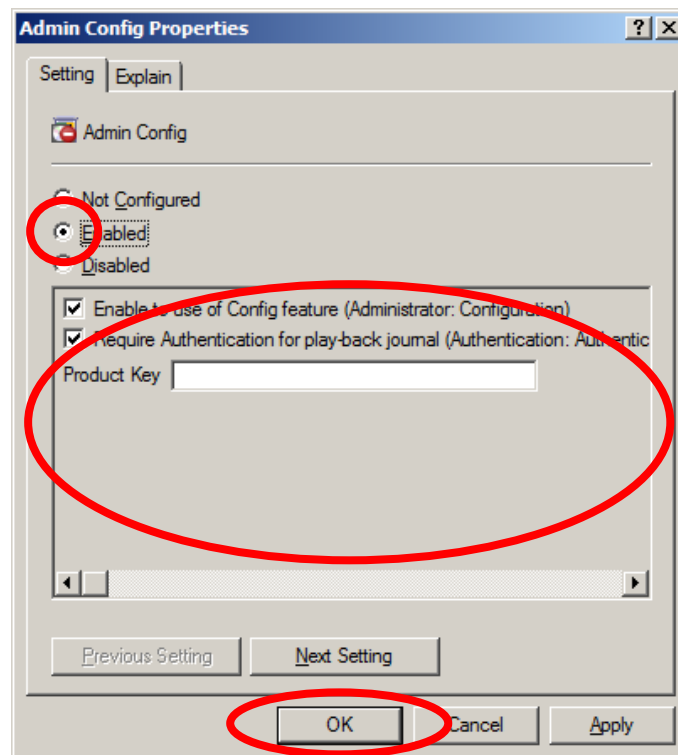
**Note: The template setting will override the setting configured by the client user. Please use the template if you want to apply it to the client PCs**

at once.



**Figure 67 Group Policy Management Editor - TruPass settings**

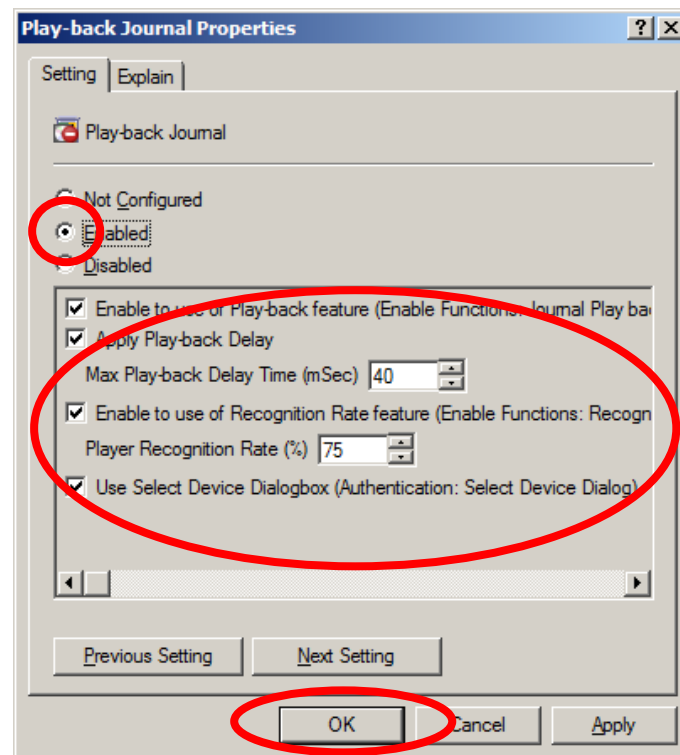
When Admin Config Properties dialog box is displayed, select the “Enabled” radio button and enter the setting data in the lower pane. Refer to TruPass Configuration section described above for more detail. For product Key, enter the product key of the TruPass volume license edition you obtained separately in this edit box without hyphen (-). Click the “OK” button after completing.



**Figure 68 TruPass Admin Config Properties**

When you return to the Group Policy Management Editor console, double click "Play-back Journal" in the right pane.

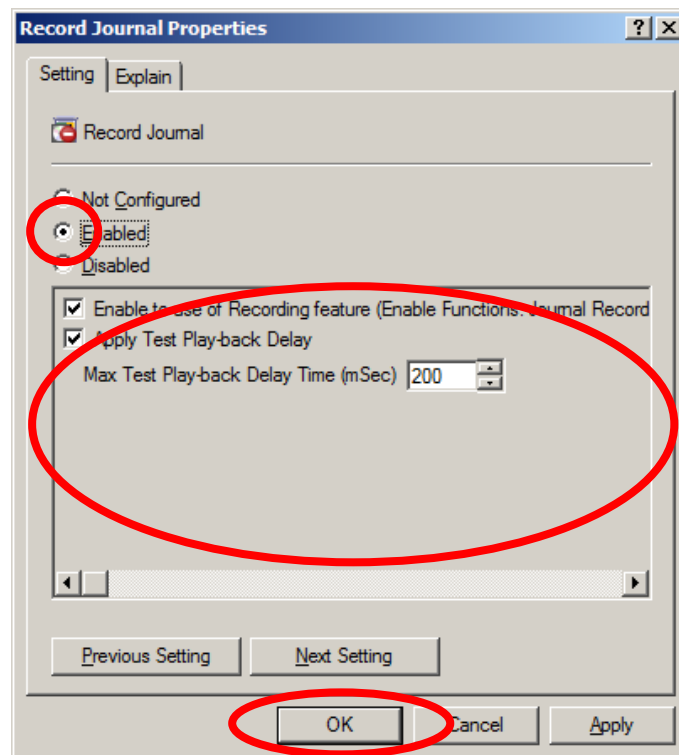
When Play-back Journal Properties dialog box is displayed, select the "Enabled" radio button and enter the setting data in the lower pane. Refer to TruPass Configuration section described above for more detail. Click the "OK" button after completing.



**Figure 69 TruPass Play-back Journal Properties**

When you return to the Group Policy Management Editor console, double click "Record Journal" in the right pane.

When Record Journal Properties dialog box is displayed, select the "Enabled" radio button and enter the setting data in the lower pane. Refer to TruPass Configuration section described above for more detail. Click the "OK" button after completing.

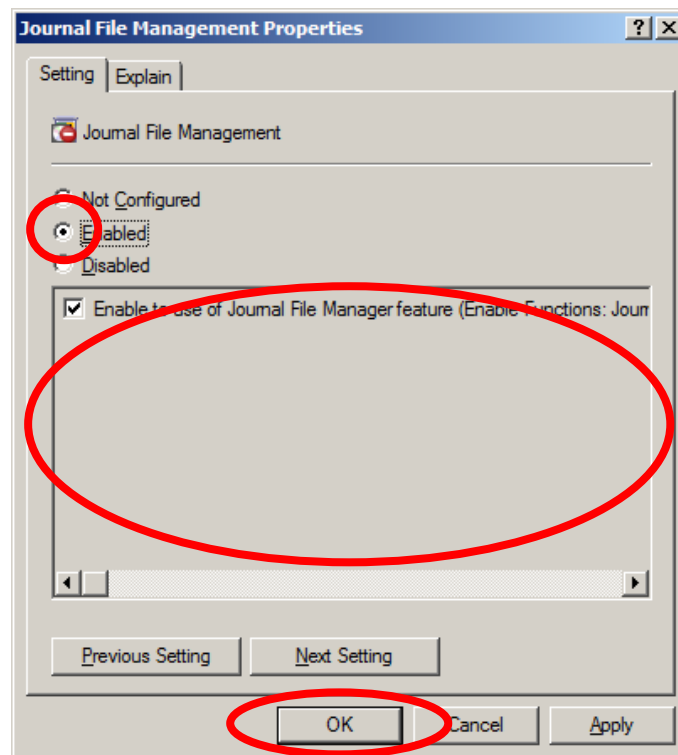


**Figure 70 TruPass Record Journal Properties**

When you return to the Group Policy Management Editor console, double click “Journal File Management” in the right pane.

When Journal File Management Properties dialog box is displayed, select the “Enabled” radio button and enter the setting data in the lower pane. Refer to TruPass Configuration section described above for more detail. Click the “OK” button after completing.

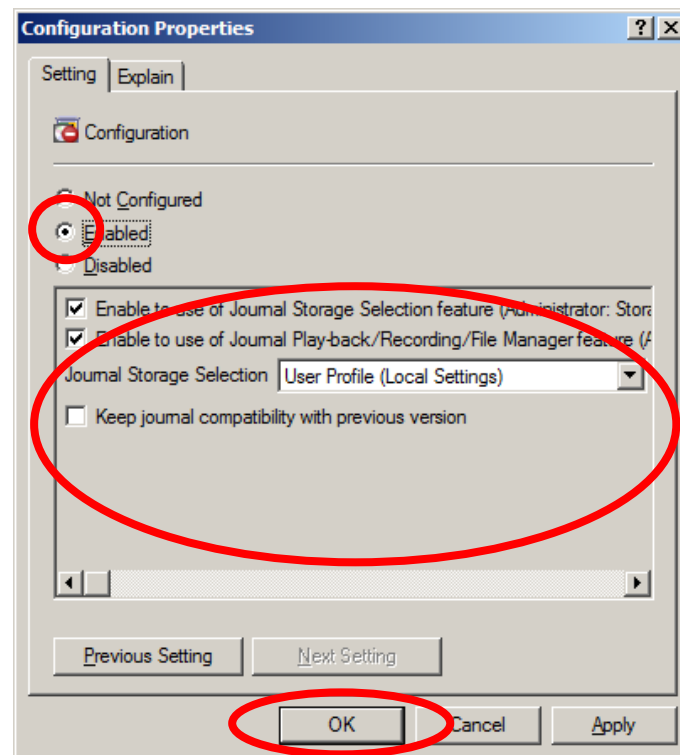




**Figure 71 TruPass Journal File Management Properties**

When you return to the Group Policy Management Editor console, double click “Configuration” in the right pane.

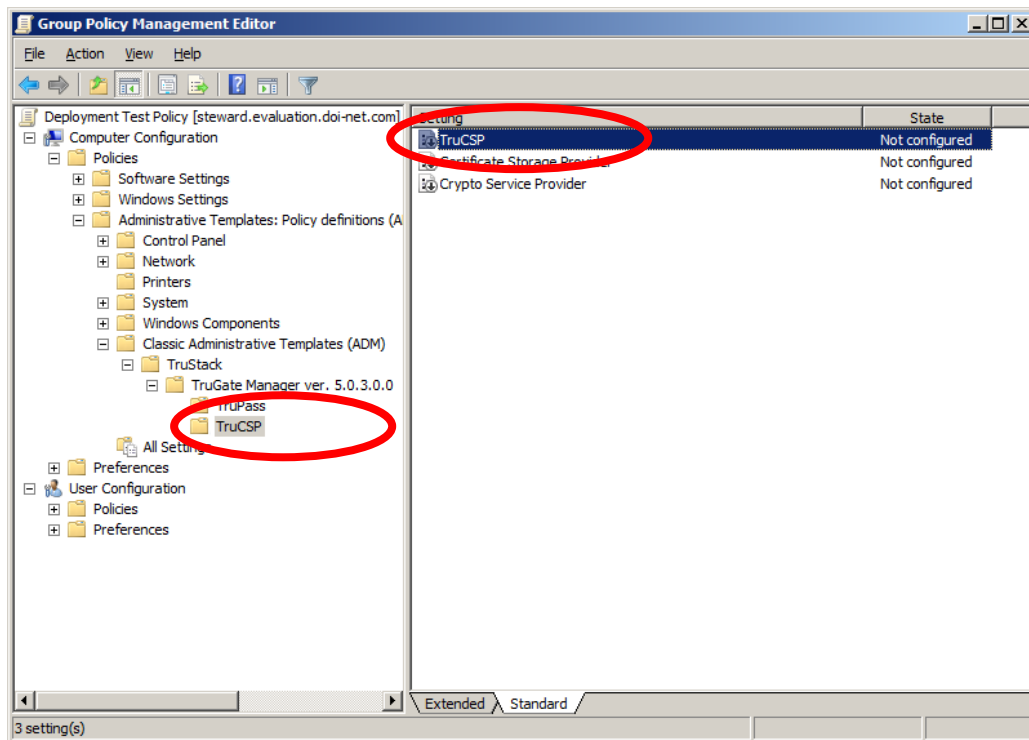
When Configuration Properties dialog box is displayed, select the “Enabled” radio button and enter the setting data in the lower pane. Refer to TruPass Configuration section described above for more detail. Click the “OK” button after completing.



**Figure 72 TruPass Configuration Properties**

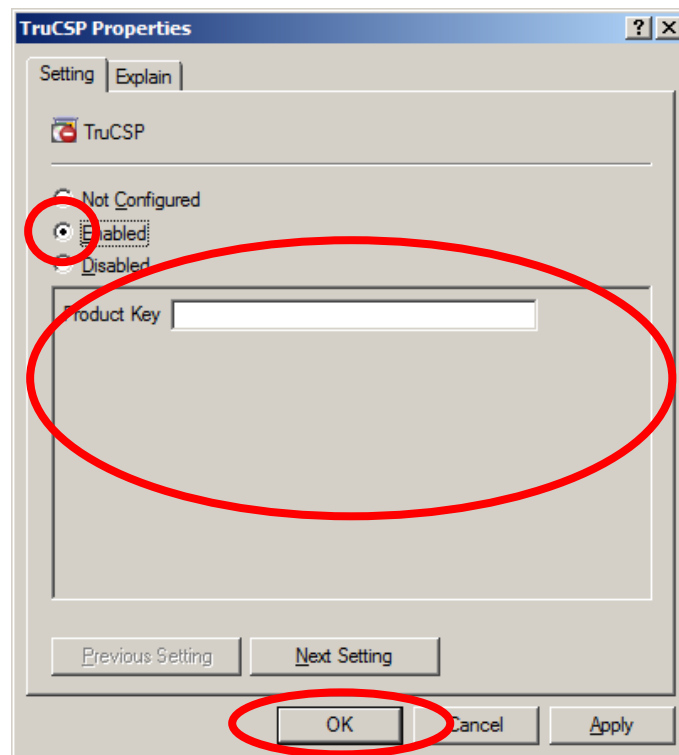
When you return to the Group Policy Management Editor console, select in the order of “Administrative Templates: Policy definitions” – “Classic Administrative Templates” – “TruStack” – “TruGate Manager ver.x.x.x” – “TruCSP” in the left pane, and double click “TruCSP” in the right pane.

**Note: The template setting will override the setting configured by the client user. Please use the template if you want to apply it to the client PCs at once.**



**Figure 73 Group Policy Management Editor - TruCSP settings**

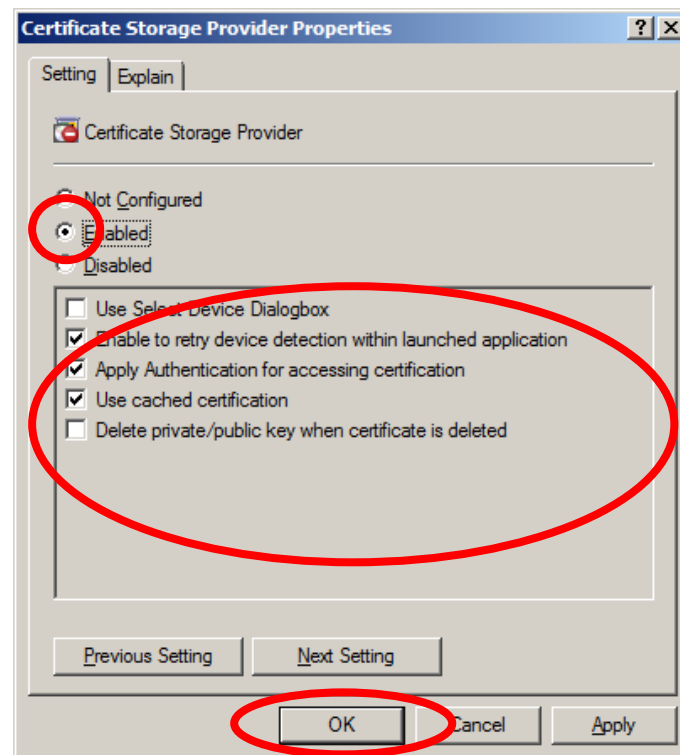
When TruCSP Properties dialog box is displayed, select the “Enabled” radio button and enter the product key of the TruPass volume license edition you obtained separately in Product Key edit box of lower pane without hyphen (-). Click the “OK” button after completing.



**Figure 74 TruCSP Properties**

When you return to the Group Policy Management Editor console, double click "Certificate Storage Provider" in the right pane.

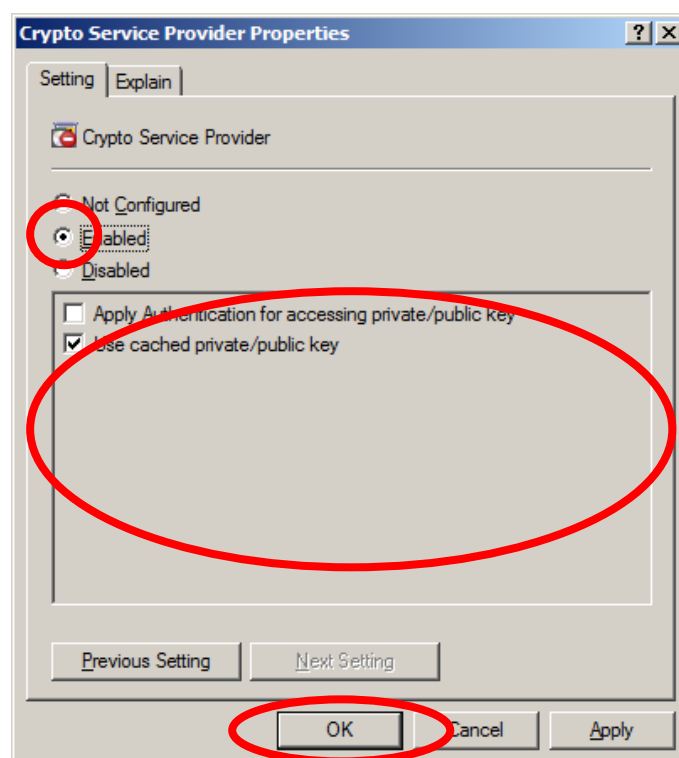
When Certificate Storage Provider Properties dialog box is displayed, select the "Enabled" radio button and enter the setting data in the lower pane. Generally, however, this product should be used without modification. Click the "OK" button after completing.



**Figure 75 TruCSP Certificate Storage Provider Properties**

When you return to the Group Policy Management Editor console, double click "Crypto Service Provider" in the right pane.

When Crypto Service Provider Properties dialog box is displayed, select the "Enabled" radio button and enter the setting data in the lower pane. Generally, however, this product should be used without modification. Click the "OK" button after completing.



**Figure 76 TruCSP Crypto Service Provider Properties**

When you return to the Group Policy Management Editor console, click in the order of “File” – “Exit” to complete.

**c. Distribution**

After the distribution group policy is created, that group policy will be applied when the distribution target client PC is rebooted.

If you want to apply the group policy immediately, execute the following command within the command prompt on the client PC.

```
gpupdate.exe /force
```

**d. Procedure of Policy Template Update**

To update the policy template, follow the procedure below.

- ① Temporarily change the using template to “Disabled”. If the settings data are empty, it will be changed to “Not Configured” after applying “Disabled”.
- ② Copy the renewal template to <OS folder name>\inf folder of Active Directory Server with a different name from existing.
- ③ Add the renewal template.

**Note: TruGate Manager increments the internal revision number of the policy**

**template when the configuration is changed.**

- ④ Select the “Enabled” radio button after confirming the setting data of renewal template.
- ⑤ Change the previous template to “Not Configured” after the renewal template is distributed with all target PCs.
- ⑥ When the previous template becomes no more necessary, delete it from Add/Remove Templates dialog box, after that delete the previous template file from <OS folder name>\inf folder of Active Directory Server.

End of document

Questions to Trusted Stackware series product

D.O.I-Net Co., Ltd.

Zip Code: 190-0011

2-25-23 Takamatsu, Tachikawa, Tokyo JAPAN

E-Mail: [info@doi-net.com](mailto:info@doi-net.com)

URL: <https://www.doi-net.com/>