

FARONICS  
**DATAIGLOO™**

**AUTOMATED Data Redirection**

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# **User Guide**

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**Faronics™**  
Intelligent Solutions for ABSOLUTE Control

[www.faronics.com](http://www.faronics.com)



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# Preface

This user guide explains how to install and use Data Igloo.

## Topics

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***Important Information***

***Technical Support***



## Important Information

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This section contains important information about your Faronics Product.

### About Faronics

Faronics delivers market-leading solutions that help manage, simplify, and secure complex IT environments. Our products ensure 100% machine availability, and have dramatically impacted the day-to-day lives of thousands of information technology professionals. Fueled by a market-centric focus, Faronics' technology innovations benefit educational institutions, health care facilities, libraries, government organizations, and corporations.

### Product Documentation

The following documents form the Data Igloo documentation set:

- *Data Igloo User Guide* — This document guides you how to use the product.
- *Data Igloo Release Notes* — This document lists the new features, known issues, and closed issues.



## Technical Support

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Every effort has been made to design this software for ease of use and to be problem free. If problems are encountered, contact Technical Support.

Email: [support@faronics.com](mailto:support@faronics.com)

Phone: 1-800-943-6422 or 1-604-637-3333

Hours: 7:00am to 5:00pm (Pacific Time)

## Contact Information

- Web: [www.faronics.com](http://www.faronics.com)
- Email: [sales@faronics.com](mailto:sales@faronics.com)
- Phone: 1-800-943-6422 or 1-604-637-3333
- Fax: 1-800-943-6488 or 1-604-637-8188
- Hours: 7:00am to 5:00pm (Pacific Time)
- Address: Faronics Technologies USA Inc.  
2411 Old Crow Canyon Road, Suite 170  
San Ramon, CA 94583  
USA

Faronics Corporation  
609 Granville Street, Suite 620  
Vancouver, BC V7Y 1G5  
Canada

Faronics Corporation (Europe)  
Siena Court  
The Broadway Maidenhead  
Berkshire, SL6 1NJ UK







# Introduction

Data Igloo was created to work with Deep Freeze. Deep Freeze protects a computer and restores it to the original state on reboot. Data Igloo is a utility that allows you to redirect User Profiles, Folders, and Registry Keys to a different location on your computer and retain data even after a reboot when the computer is protected by Deep Freeze.

Data Igloo can also be used independently without installing Deep Freeze.

## Topics

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### ***System Requirements***



## System Requirements

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The system requirements for Data Igloo are:

- Windows XP, Windows Vista or Windows 7 (32-bit and 64-bit)
- Microsoft .NET 2.0 (SP1) or higher
- Deep Freeze Enterprise 6.3 or higher



# Installing Data Igloo

This chapter describes how to install Data Igloo.

## Topics

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***Installing Data Igloo***



## Installing Data Igloo

To install Data Igloo, complete the following steps:

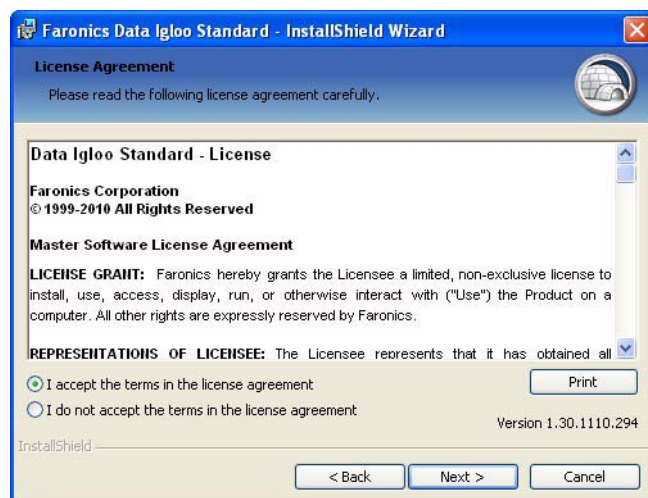


If .NET is not installed on your computer, the installer will automatically download it from the Internet and install it. Ensure that your computer is connected to the Internet.

1. Double-click *FaronicsDataIglooStandard.exe*. Click *Next*.

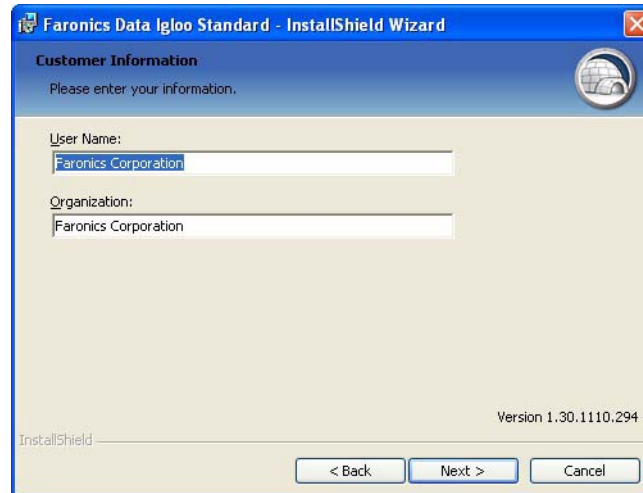


2. Read and accept the License Agreement. Click *Next*.





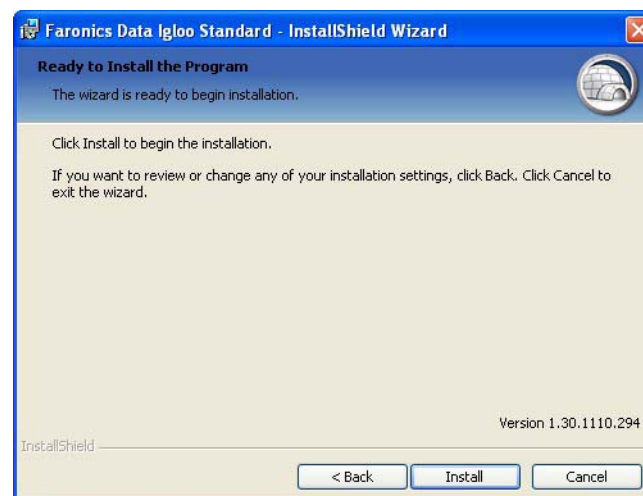
3. Enter the *User Name* and *Organization*. Click *Next*.



4. The default location for Data Igloo is *C:\Program Files\Faronics\Data Igloo Standard*. Click *Change...* to change the location where Data Igloo is installed. Click *Next*.



5. Click *Install* to install Data Igloo.



6. Click *Finish* to complete installation.



While it is possible to install Data Igloo when Deep Freeze status is *Frozen*, redirections created will not remain after a reboot. This is useful for testing redirections. It is not possible to uninstall or repair Data Igloo when Deep Freeze status is *Frozen*.

## Accessing Data Igloo

Data Igloo can be accessed via *Start>Programs>Faronics>Data Igloo*.



# Using Data Igloo

This chapter explains how to use Data Igloo.

## Topics

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***[Data Igloo Overview](#)***

***[Deep Freeze Status](#)***

***[User Profile Redirection](#)***

***[Folder Redirection](#)***

***[Registry Key Redirection](#)***

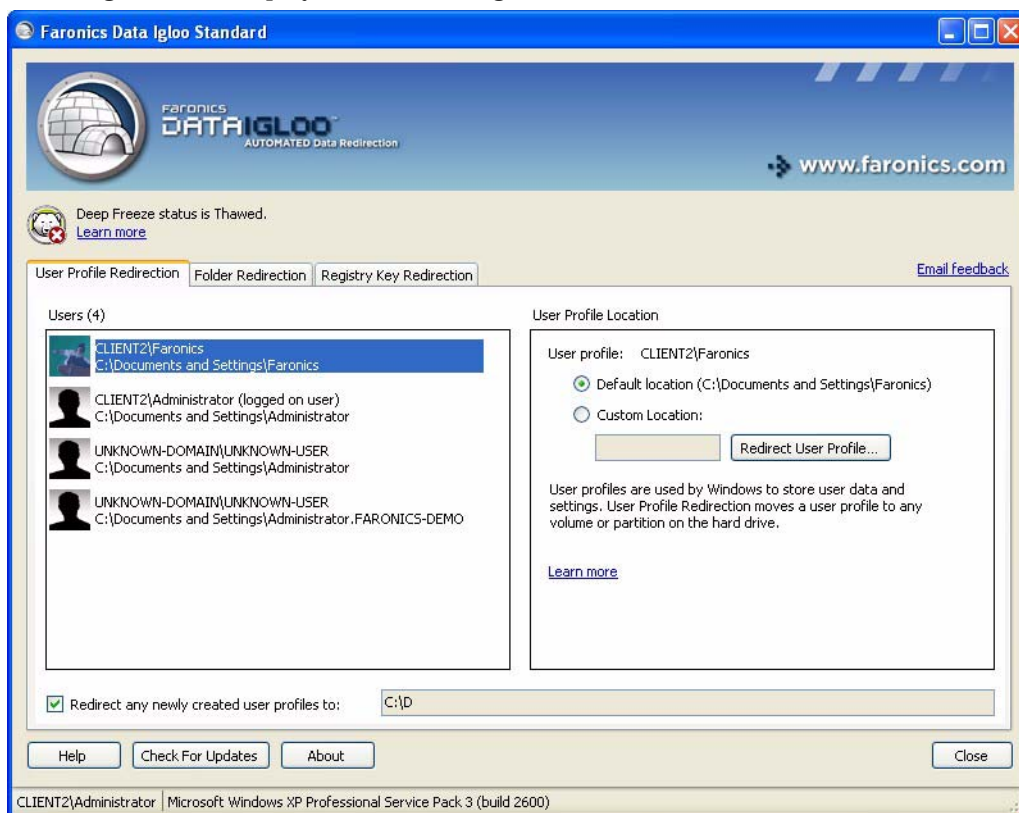
***[Closing Data Igloo](#)***

***[Logging Events in Data Igloo](#)***



## Data Igloo Overview

The following screen is displayed when Data Igloo is launched:



- **Deep Freeze Status Icon** — The status of Deep Freeze is displayed.
- **Tabs** — Data Igloo provides the User Profile Redirection, Folder Redirection and Registry Key Redirection tabs. All tabs are explained in detail further in the user guide.
- **Help** — Launches the Online Help.
- **Check for Updates** — Checks if there is a new version of Data Igloo available.
- **About** — Displays information about the Data Igloo version and the End User License Agreement.
- **Status Bar** — The status bar at the bottom of the Data Igloo screen displays the following information:
  - **User Name** — The User Name of the user account currently logged in.
  - **Operating System** — The Operating System and service pack (if applicable).



Only users with administrative rights are allowed to use Data Igloo.







## Deep Freeze Status

Deep Freeze protects a computer and restores it to the original state on reboot. Once Deep Freeze is installed on a computer, any changes made to the computer—regardless of whether they are accidental or malicious—are never permanent. For more information on Deep Freeze visit <http://www.faronics.com/deepfreeze>

The following Deep Freeze status are displayed on Data Igloo:

| Icon  | Definition   |
|---|--|
|    | Deep Freeze Status is Frozen — Changes made to the computer will be lost when the computer is restarted.           |
|    | Deep Freeze Status is Thawed — Changes made to the computer will be retained even after the computer is restarted. |
|  | Deep Freeze not installed — Deep Freeze is not installed on this computer.   |
|  | Deep Freeze Seed installed — Deep Freeze seed is installed on this computer.                                       |
|  | Deep Freeze is Thawed and Locked — Deep Freeze is Thawed and the keyboard and mouse are disabled.                  |
|  | Deep Freeze is in Maintenance — Deep Freeze maintenance is in progress.  |



## ThawSpace

ThawSpace is a feature of DeepFreeze Enterprise. ThawSpace is a virtual partition that can be used to store programs, save files, or make permanent changes. All files stored in the ThawSpace are retained after a restart, even if the computer is Frozen.

A ThawSpace must be created in Deep Freeze Enterprise before saving data. Alternatively, you can also save data on *Thawed Drives* if you are using Deep Freeze Standard.

Data Igloo allows you to redirect the User Profile and specific Folders to a ThawSpace. Deep Freeze allows you to create Hidden ThawSpaces. For more information on the process to Hide or Display a ThawSpace refer to [Appendix A, Redirecting to Hidden ThawSpaces](#).



## User Profile Redirection

The User Profile Redirection feature redirects the entire user profile to any NTFS volume or partition on the computer. This is useful if Deep Freeze is installed, in order to retain new or modified user data like Internet Favorites, My Documents and Desktop information even after reboot.



It is not possible to redirect the profile of the user currently logged in.

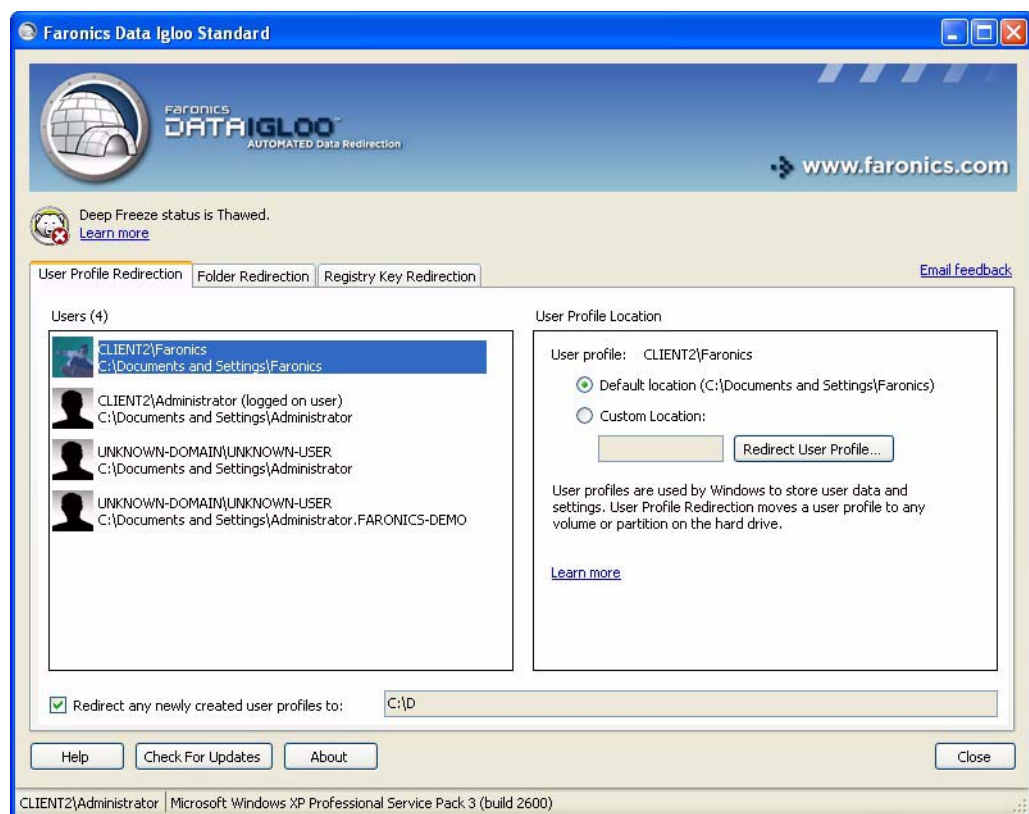


Both the source and target drives must be NTFS partitions.



If an error occurs during the redirection process, Data Igloo will revert to the original state without any changes to the data or settings.

The *User Profile Redirection* tab is displayed as follows:

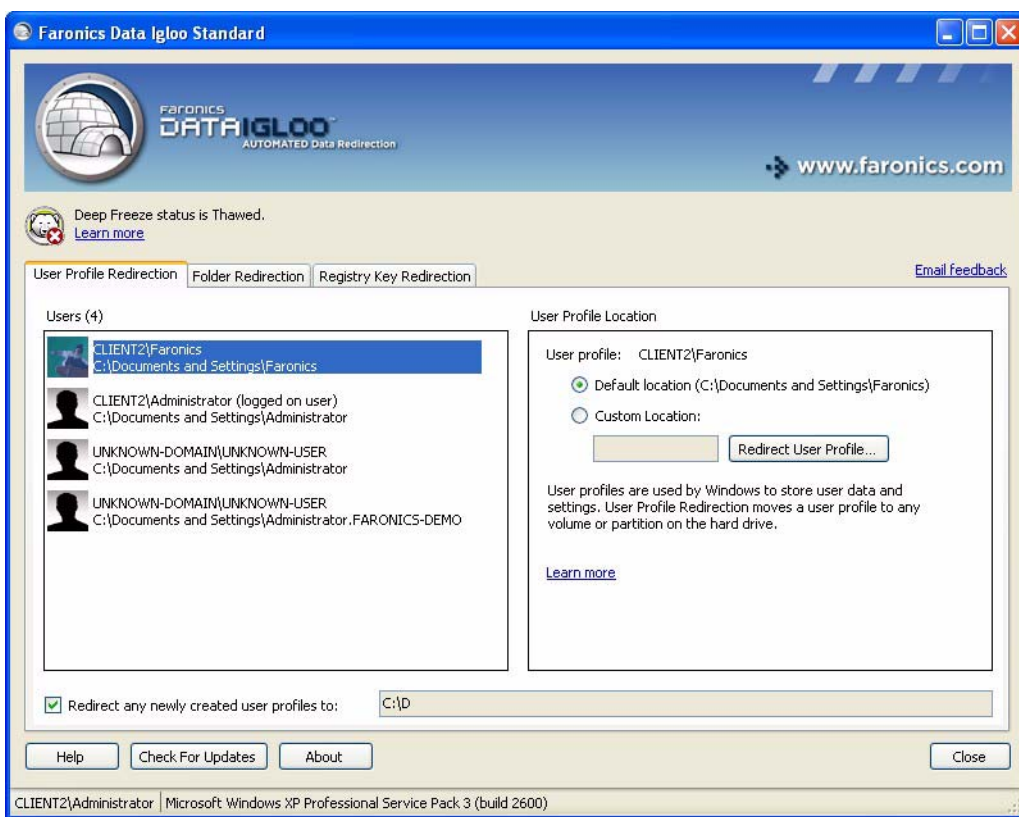




## Creating a User Profile Redirection (for Existing User Profiles)

Complete the following steps to redirect a user profile from the default location to another drive on your computer:

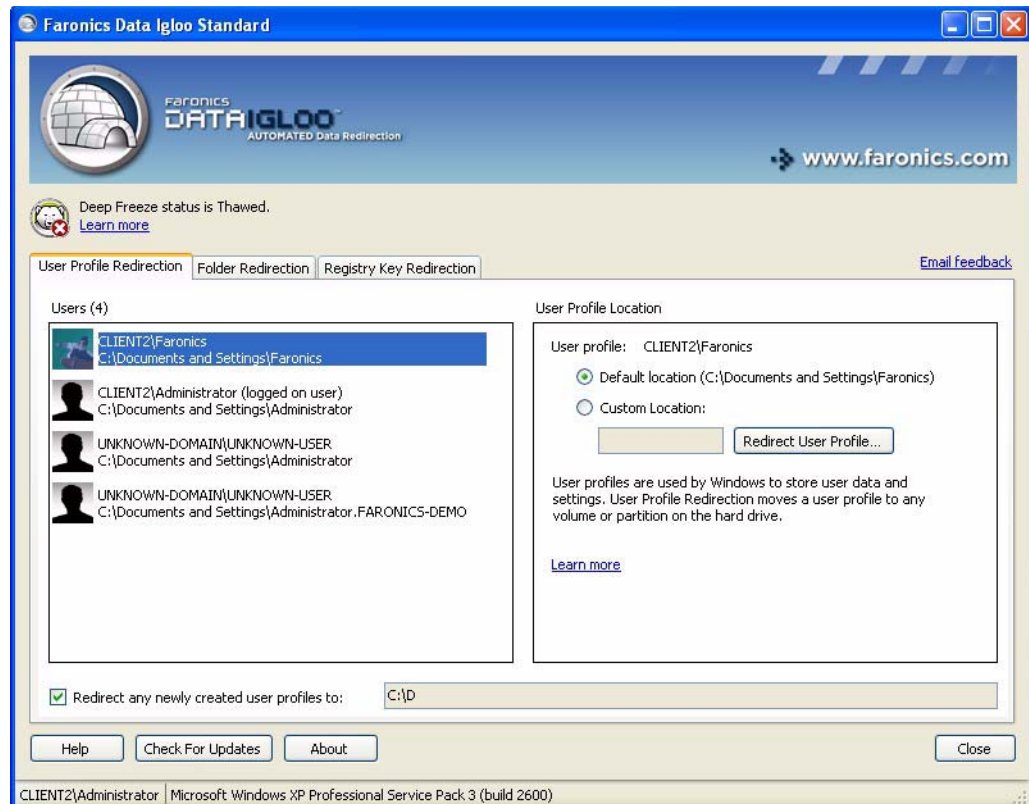
1. Ensure the Deep Freeze status is *Thawed*.
2. Select the user from the *Users* pane.
3. This step is optional. Select the *Redirect any newly created user profiles to:* check box to redirect newly created user profiles to a ThawSpace. Browse to select the location of the ThawSpace. If a new user profile is created, it will automatically be redirected to the selected location.



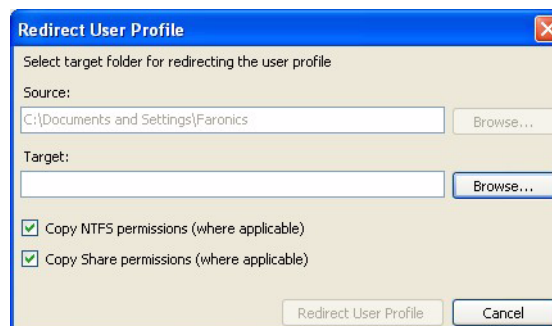
Selecting the *Redirect any newly created user profiles to:* check box automatically selects the *Redirect registry key changes to:* check box in the *Registry Key Redirection* tab. For more information, refer to [Registry Key Redirection](#).



4. In the *User Profile Location* pane select *Custom Location*. Click *Redirect User Profiler* to select the location.

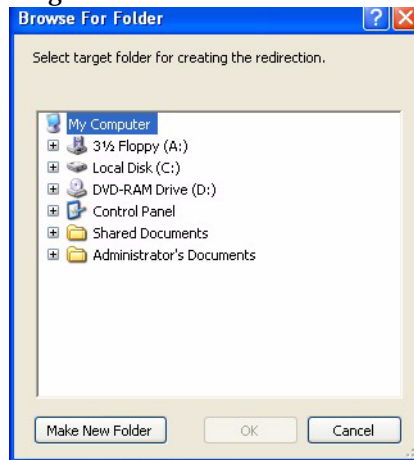


5. The *Redirect User Profile* dialog is displayed with the *Source* auto-filled. This is a read-only field and cannot be edited.

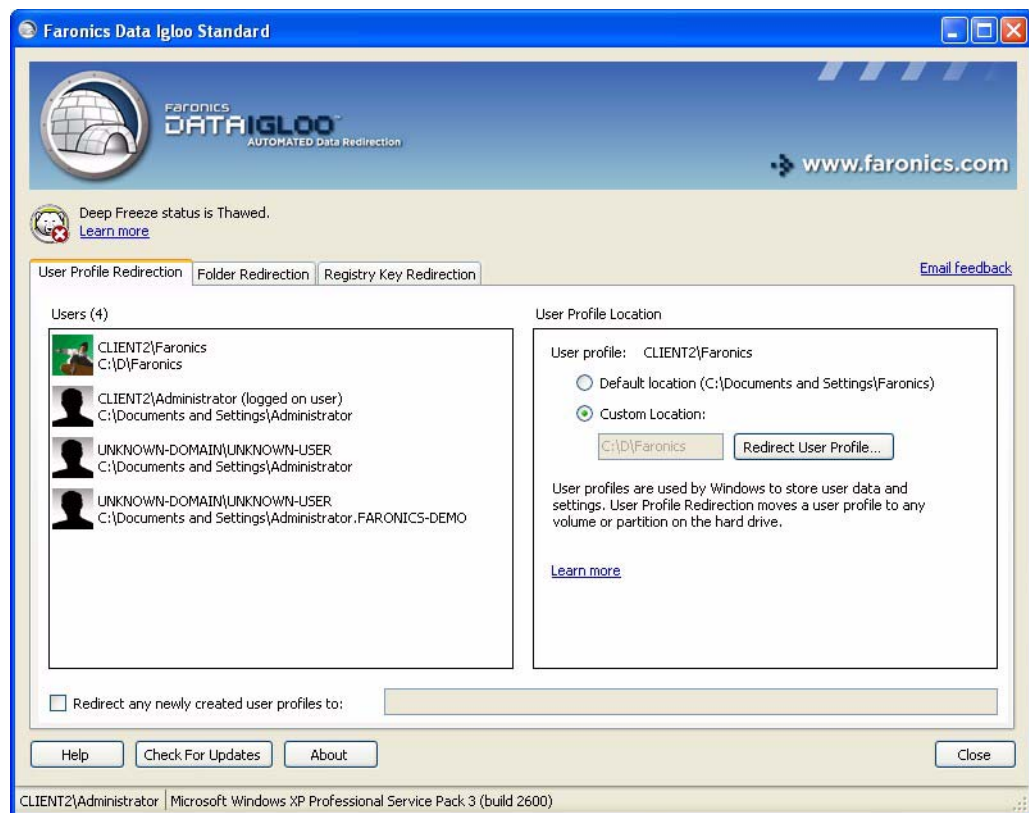




6. Click *Browse* to select the Target.



- Select the *Copy NTFS permissions (where applicable)* check box to copy the permissions for NTFS. The security applied to Source folder by the NTFS file system is copied to the Target folder. The security and share permissions are also applied to the files and folders within the Target folder.
  - Select the *Copy Share permissions (where applicable)* check box to copy the Share permissions for the user profile folder.
7. Select the Target in the *Browse for folder* dialog and click *OK*.
8. Data Igloo scans the files and if errors occur, it is displayed in the Error Dialog. For more information about the Error Dialog refer to [Data Igloo Error Dialog](#). If no error is displayed, a progress bar is displayed and the User Profile is redirected to the target location.



If Deep Freeze status is *Frozen*, you can still redirect a User Profile. The files and folders related to the User Profile will be successfully moved even when the Deep Freeze status is *Frozen*. However, the User Profile Redirection will not be retained when the computer is restarted.



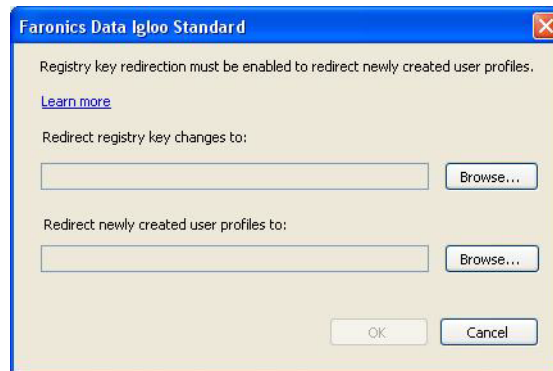
The User Profile redirected to the target folder inherits permissions from its parent folder. In addition, the owner of the User Profile will be added to the folder with *Full Control* permissions.

## Automatically Redirecting Newly Created User Profiles

Data Igloo provides an option to automatically redirect newly created user profiles. This feature saves time and effort for the administrator by ensuring that all newly created user profiles are redirected to the selected location automatically.

Complete the following steps to automatically redirect newly created user profiles:

1. Go to User Profile Redirection tab.
2. Select the *Redirect any newly created user profiles to:* check box to redirect newly created user profiles to a ThawSpace.

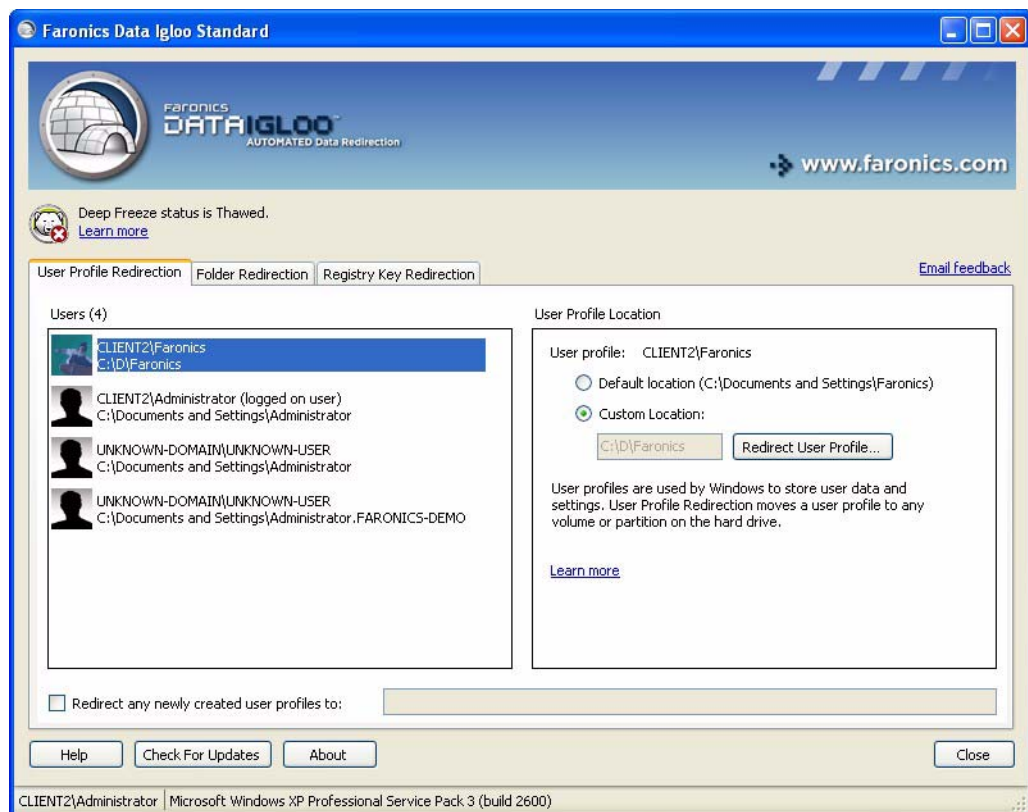


- **Redirect registry key changes to:** click *Browse* to select the location of the ThawSpace. Changes to the registry are automatically redirected to the selected location.
  - **Redirect newly created user profiles to:** click *Browse* to select the location of the ThawSpace. If a new user profile is created, it will automatically be redirected to the selected location.
3. Click *OK*.

## Removing a User Profile Redirection

Complete the following steps to remove a previously redirected User Profile on your computer:

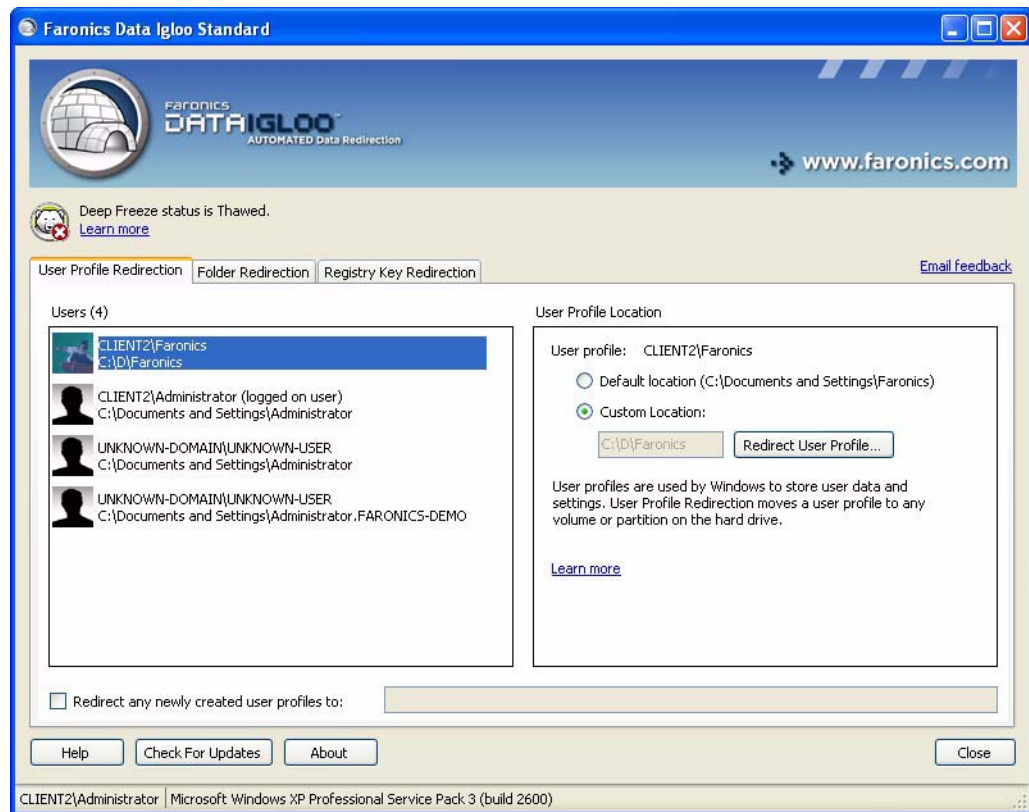
1. Ensure the Deep Freeze status is *Thawed*.
2. Select the user profile from the *Users* pane for which the user profile redirection is to be removed.



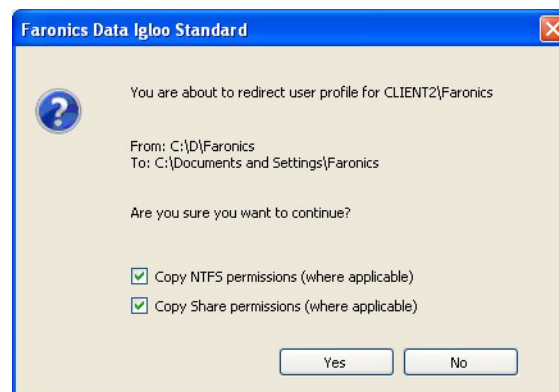




3. In the *User Profile Location* pane select *Default Location*.



4. A dialog is displayed showing the current and target location for the User Profile. Click *Yes*.



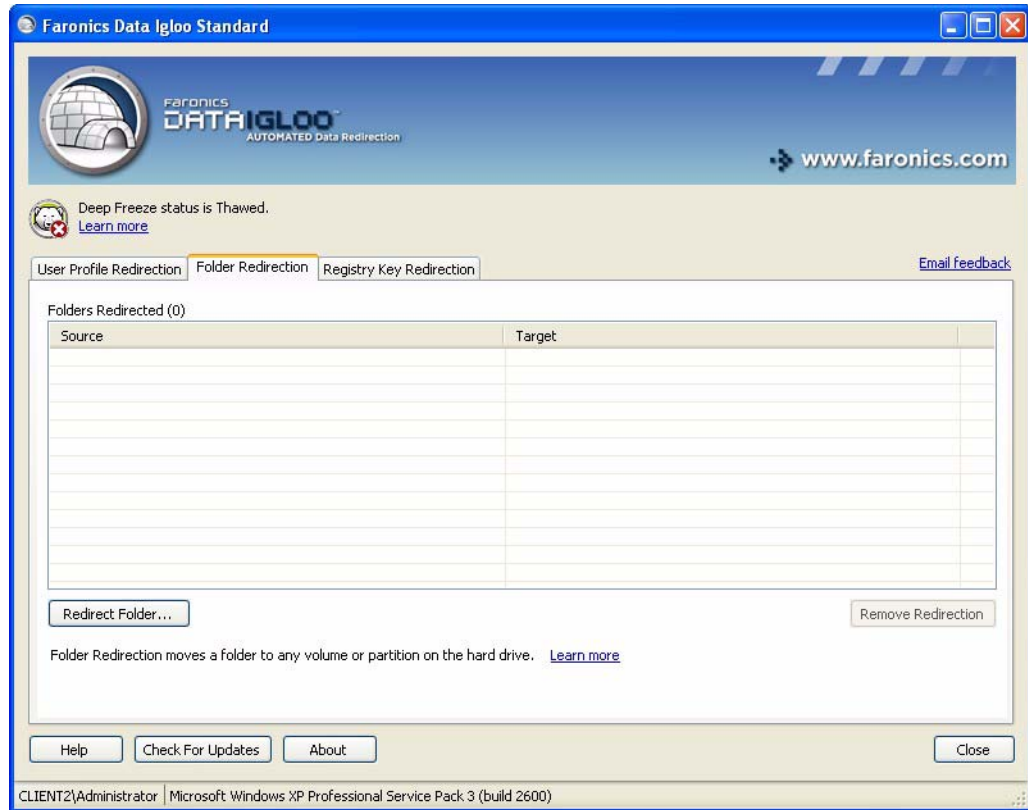
5. A progress bar is displayed and the User Profile redirection is removed.



## Folder Redirection

The *Folder Redirection* feature moves a folder to any NTFS volume or partition on the computer. This is useful when Deep Freeze is installed. This feature ensures that data in a folder on a *Frozen* drive is always saved on the *Thawed* drive, thereby retaining the data during a reboot.

The *Folder Redirection* tab is displayed as follows:



Data Igloo does not allow redirecting to the *Windows* folder or any system folders.



Both the source and target drives must be NTFS partitions.



If an error occurs during the redirection process, Data Igloo will revert to the original state without any changes to the data or settings.



## Example

If you have Deep Freeze and an antivirus software installed on your computer, the virus definitions are erased on reboot. Keeping the computer in a *Thawed* state will retain the virus definitions, but will also make it vulnerable to damage. To avoid such a situation, you can redirect the virus definitions folder using Data Igloo.

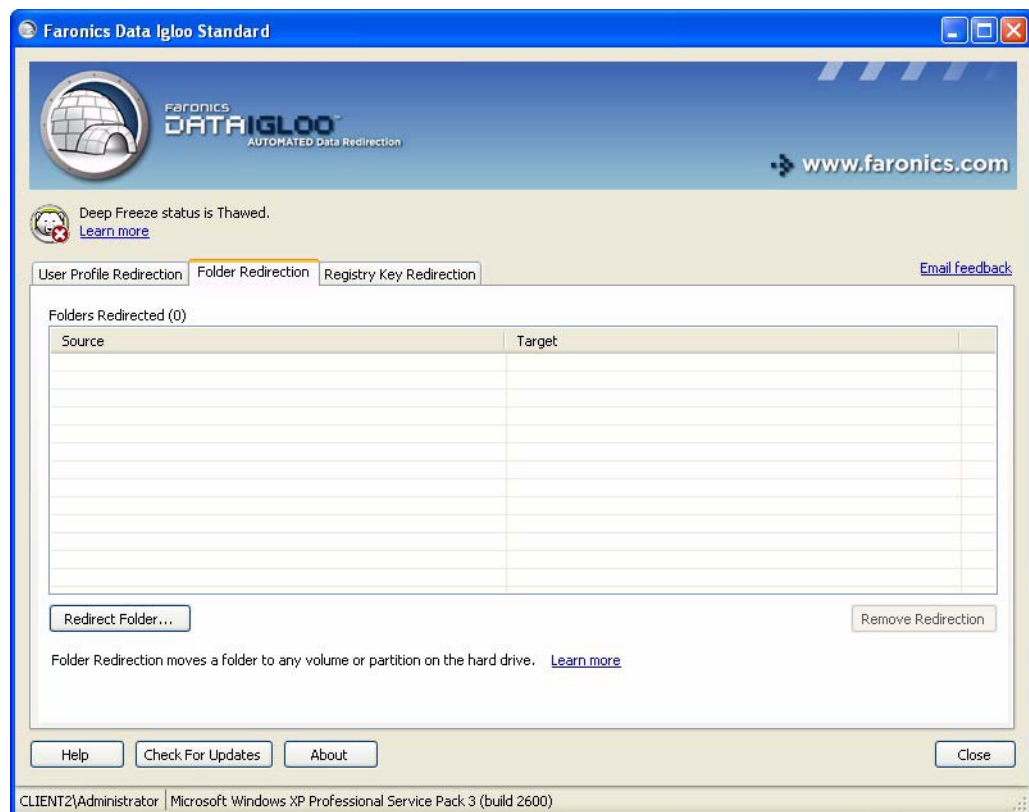
Perform the following steps:

1. Reboot the computer in a *Thawed* state.
2. Redirect C:\Program Files\<Antivirus\_Product\_Folder> to the ThawSpace T:.
3. Reboot the computer in a *Frozen* state.

## Creating a new Folder Redirection

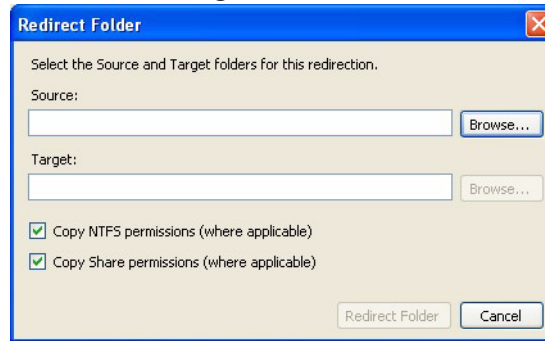
Complete the following steps to redirect a folder to another location on your computer:

1. Ensure the Deep Freeze status is *Thawed*.
2. Go to *Folder Redirection* tab. Click *Redirect Folder...*





3. In the *Create Folder Redirection* dialog, click *Browse* to select the source folder.



- Select the *Copy NTFS permissions (where applicable)* check box to copy the permissions for NTFS. The security applied to Source folder by the NTFS file system is copied to the Target folder. The security and share permissions are also applied to the files and folders within the Target folder.
- Select the *Copy Share permissions (where applicable)* check box to copy the share permissions for the folder.

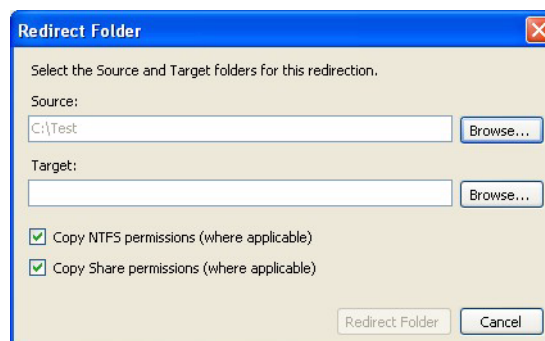


The compression and encryption attributes of the folders and the files within the folders are not copied.

4. Select the source folder and click *OK*.

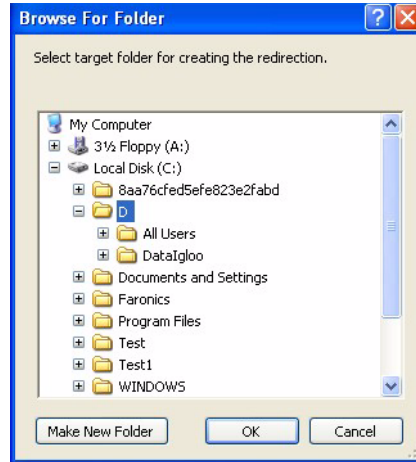


5. In the *Create Folder Redirection* dialog, click *Browse* to select the target folder.

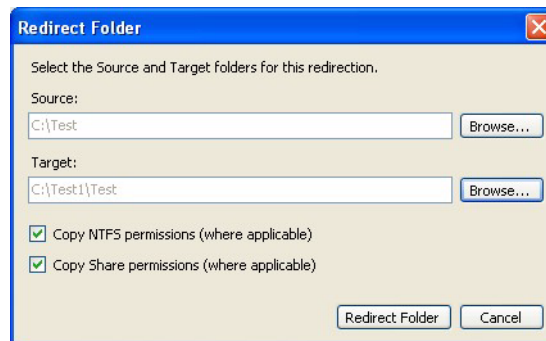




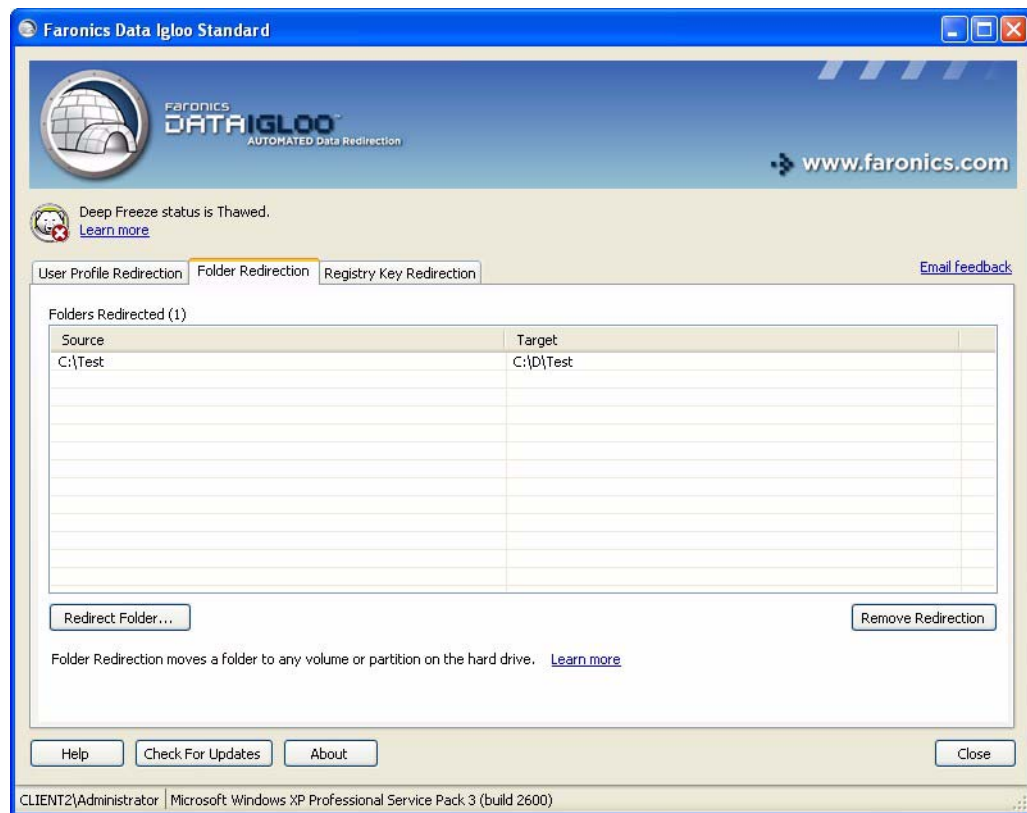
6. Select the target folder and click *OK*.



7. Click *Redirect Folder*.



8. A progress bar is displayed and the folder is redirected.



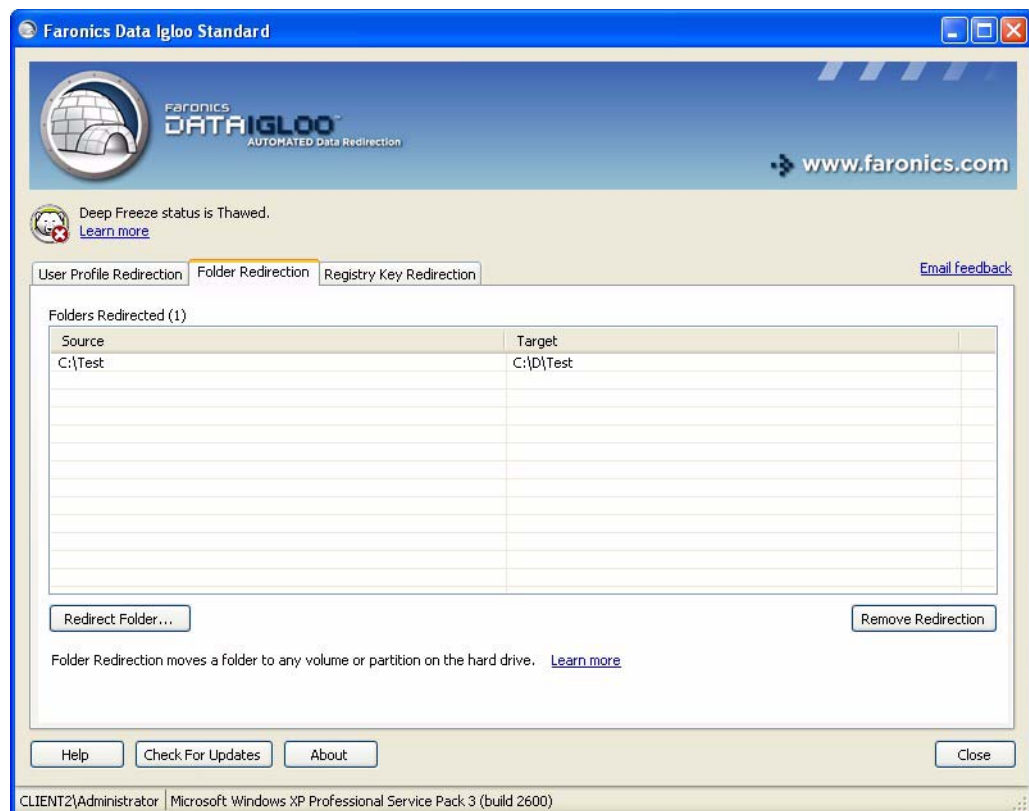
The folder redirected to the target drive will inherit the permissions from its parent folder.



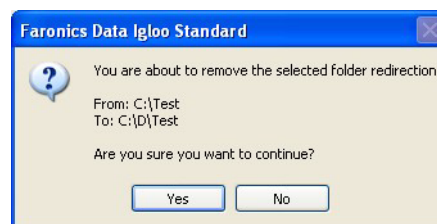
## Removing a Folder Redirection

Complete the following steps to remove a previously redirected folder on your computer:

1. Ensure that Deep Freeze is *Thawed*.
2. Go to *Folder Redirection* tab.
3. The list of folders currently redirected is displayed. Select the Folder Redirection to be removed and click *Remove*.



4. A configuration dialog is displayed displaying the current and target location of the folder. Click *Yes* to continue.



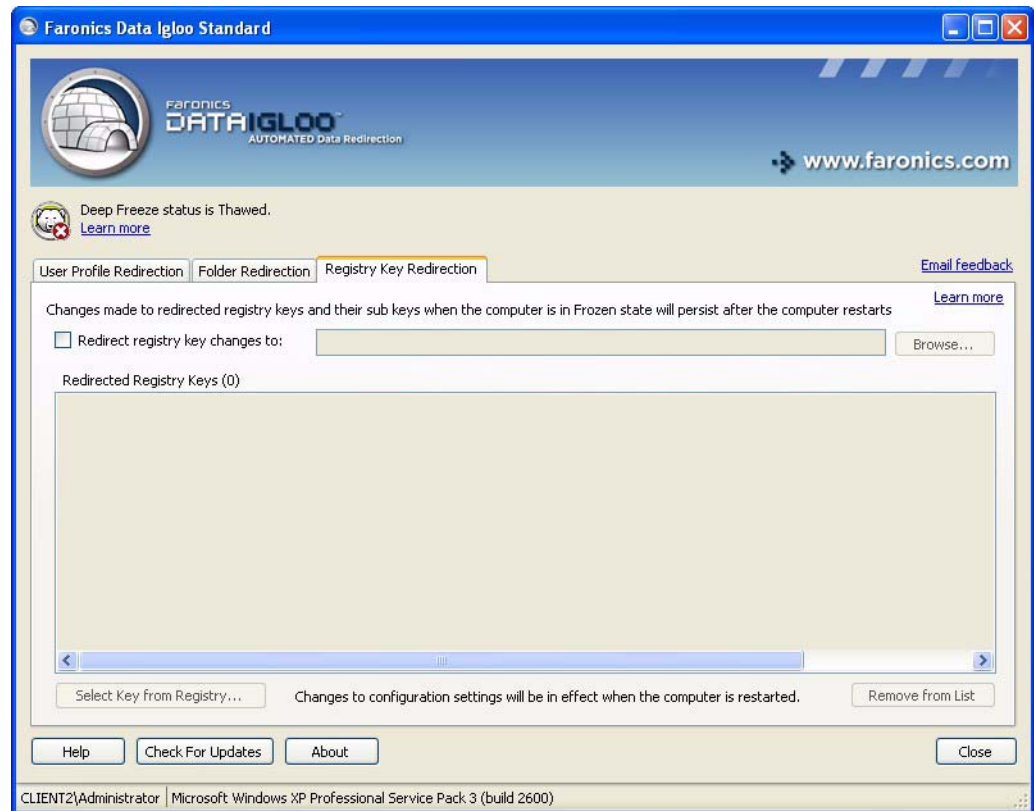
5. The folder redirection is removed.



## Registry Key Redirection

The Registry Key Redirection tab allows you to redirect changes occurring in selected registry keys to a ThawSpace. This ensures that the changes to the registry key are retained even when the Deep Freeze status is Frozen. When Deep Freeze status is Thawed, the changes to the registry keys saved on the ThawSpace are automatically restored to the registry.

The Registry Key Redirection tab is displayed as follows:



### Example

If you have Deep Freeze and an antivirus software installed on your computer, the changes to the registry during an update are erased on reboot. Keeping the computer in a *Thawed* state will retain changes to the registry, but will also make it vulnerable to damage. To avoid such a situation, you can redirect a registry key using Data Igloo.

Perform the following steps:

1. Reboot the computer in a *Thawed* state.
2. Redirect HKEY\_LOCAL\_MACHINE\SOFTWARE\[ANTIVIRUS\_NAME] to the ThawSpace T:.
3. Reboot the computer in a *Frozen* state.



Different antivirus programs create registry keys in different locations in the Registry. Determine the correct registry key for the particular antivirus program before redirecting it to another location.

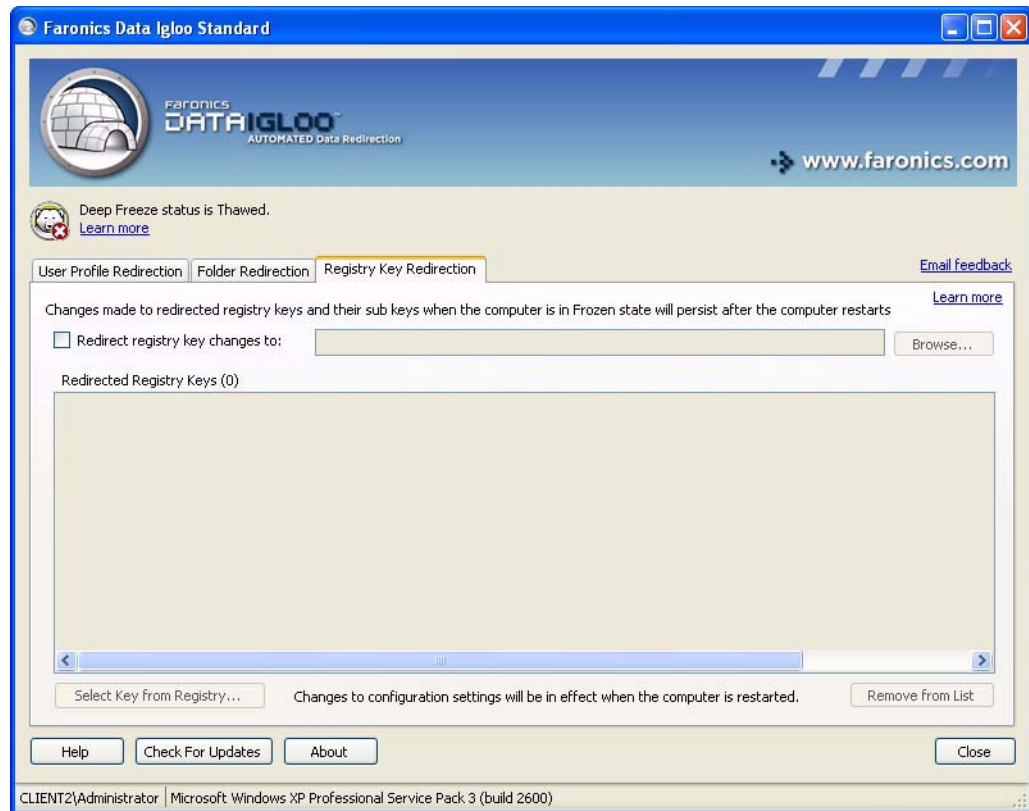




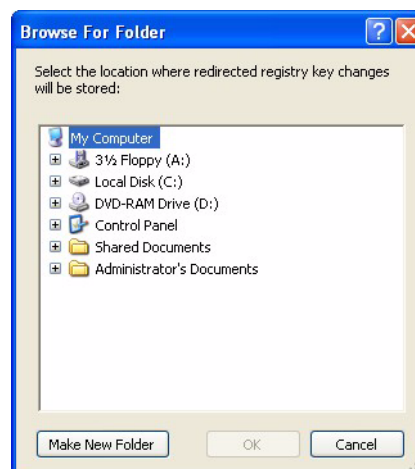
## Creating a Registry Key Redirection

Complete the following steps to create a Registry Key Redirection:

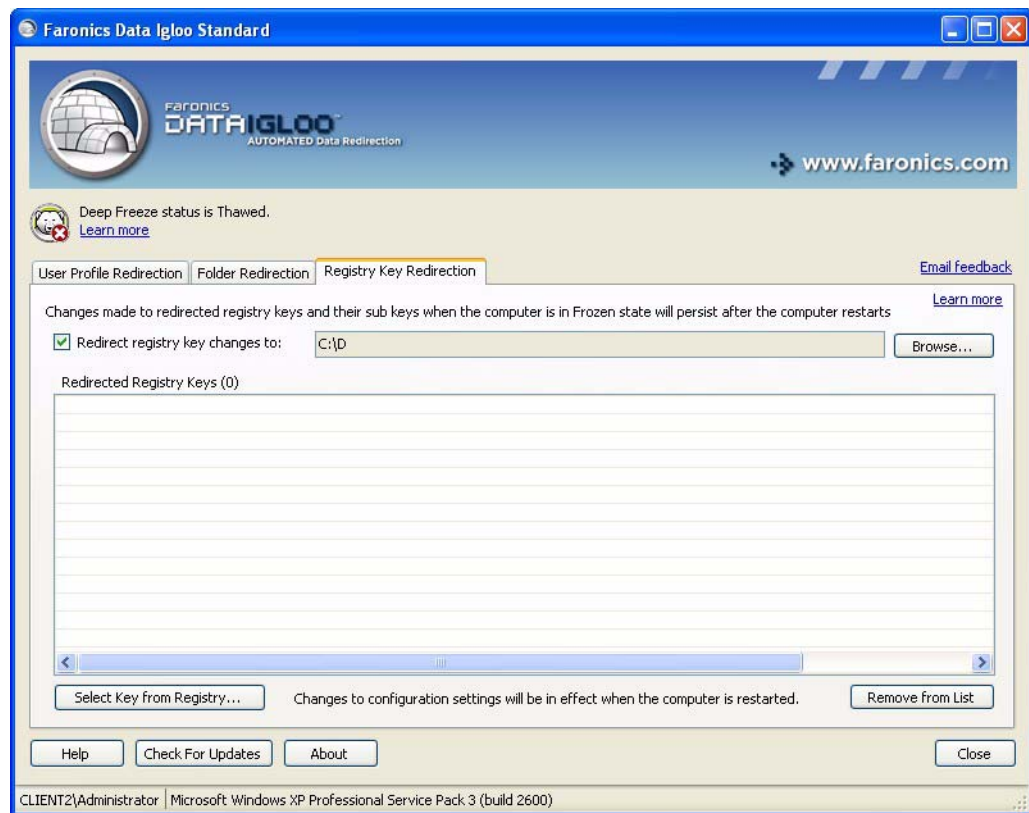
1. Ensure the Deep Freeze status is *Thawed*.
2. Go to *Registry Key Redirection* tab. Select *Redirect registry key changes to:* check box.



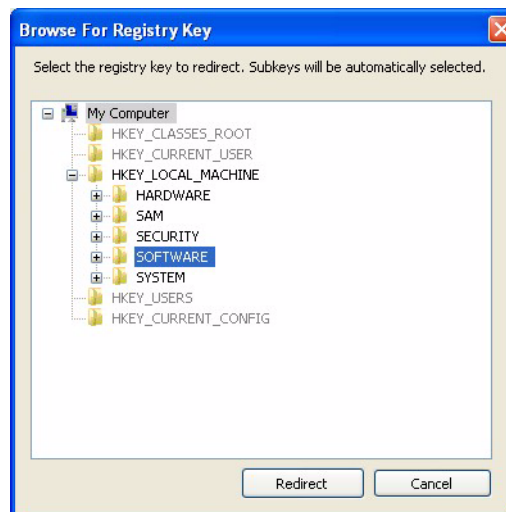
3. Click *Browse* to select a location on a Thawed drive.



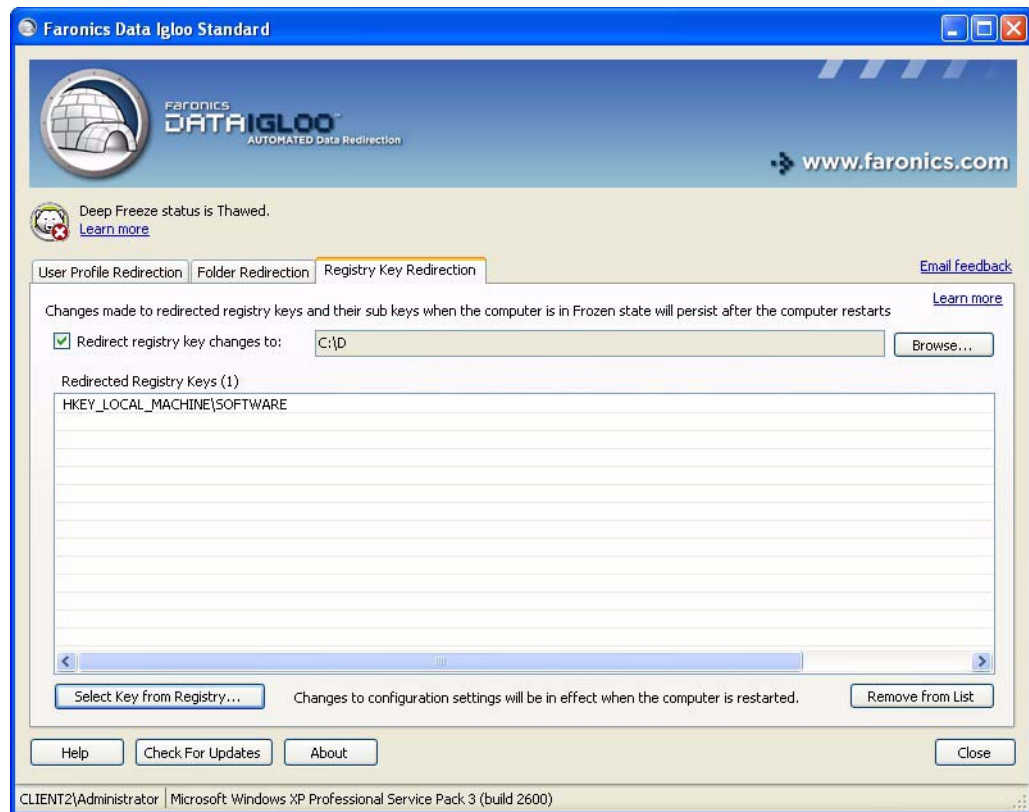
4. Click *Select Key from registry....*



5. In the *Browse For Registry Key* dialog, select the registry key and click *Redirect*.



6. The registry key is redirected to the Thawed drive.



7. Reboot the computer *Frozen*.



Changes made to the configuration are applied only when the computer restarted. Registry key redirection takes effect only when the computer is rebooted *Frozen*.



Select the specific registry key to be redirected. Selecting the parent registry key removes the child registry key from the list.



Deep Freeze status must be Thawed to change the settings in the Registry Key Redirection tab. Registry key redirection can also be enabled when the Deep Freeze status is Frozen. However, registry key redirection will not take effect when the computer is rebooted.



The registry keys that are grayed out cannot be redirected.



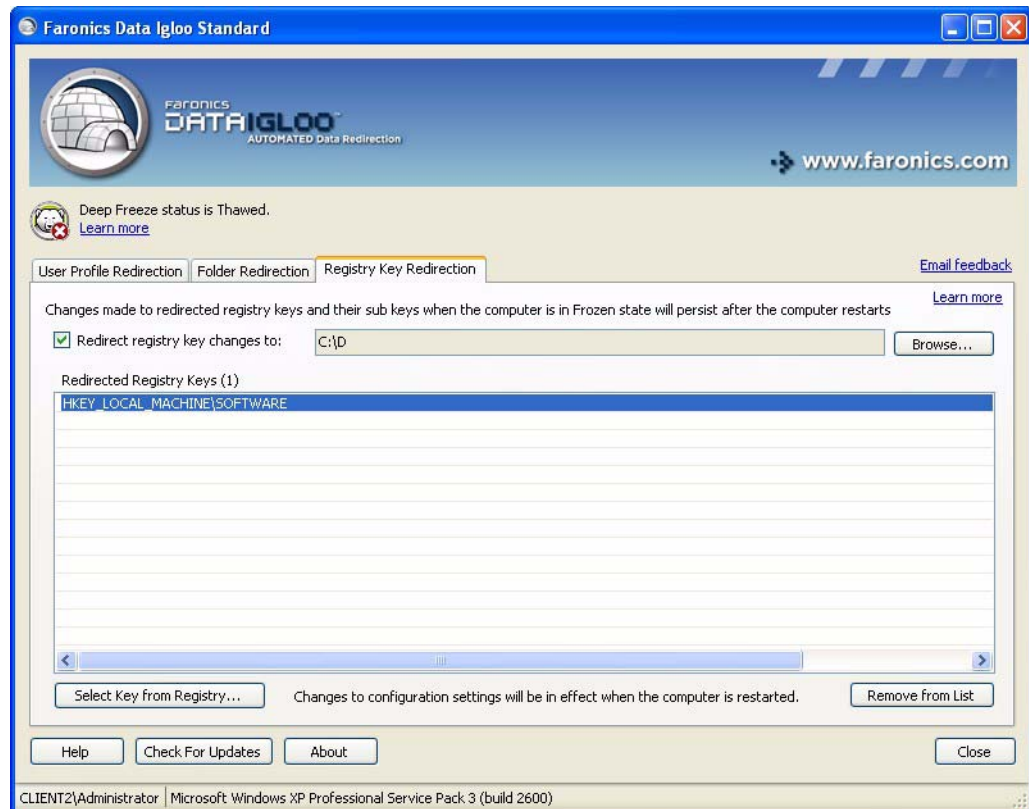
Some Registry Keys might automatically appear in the Registry Key Redirection tab. These Registry Keys are used by Data Igloo and cannot be removed manually.



## Removing a Registry Key Redirection

Complete the following steps to remove Thawed registry keys:

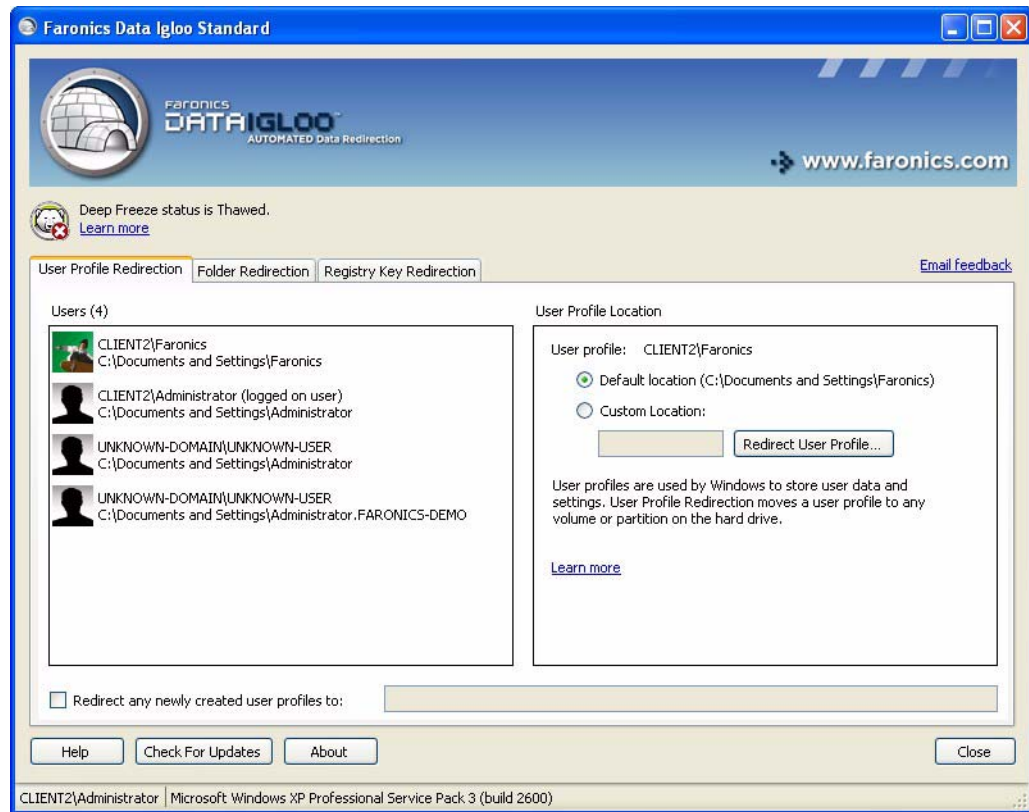
1. Ensure that Deep Freeze is *Thawed*.
2. Go to *Registry Key Redirection* tab.
3. Select the registry key from the list and click *Remove from list*.





## Closing Data Igloo

Click *Close* icon on the title bar to close Data Igloo. Alternatively, click the *Close* button.





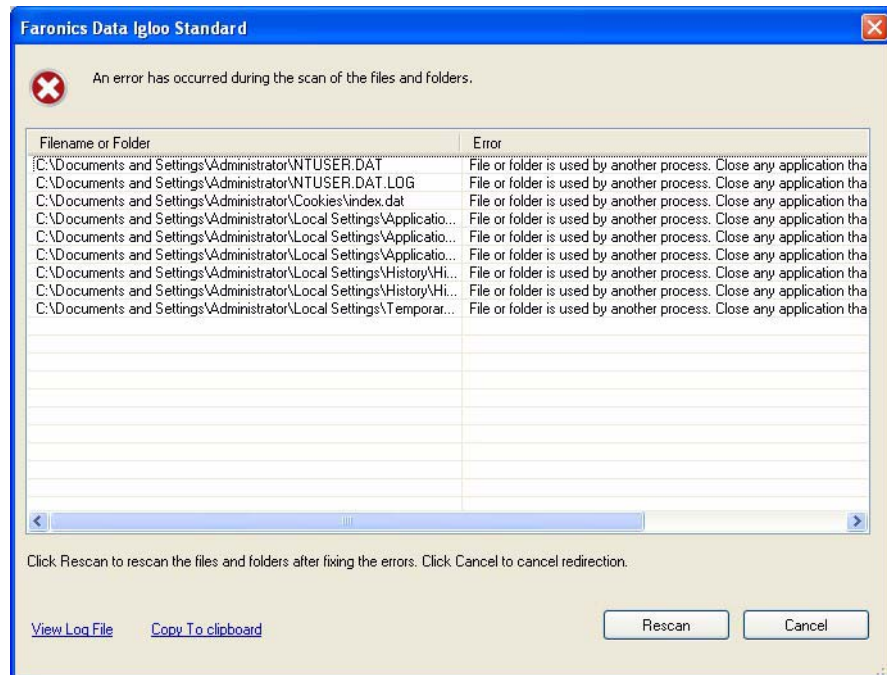
## Logging Events in Data Igloo

Data Igloo provides two ways to log and view the events. The Data Igloo error dialog and the Log File. The Log File logs events for actions performed by Data Igloo.

### Data Igloo Error Dialog

The Data Igloo error dialog is displayed whenever there is an exception. The dialog displays the following options:

- Click *View Log File* to view the log file.
- Click *Copy to clipboard* to copy the contents displayed in the error dialog to the clipboard. The contents can then be pasted in a word processor or E-mail.
- Click *Rescan* to scan the action again and refresh the error dialog.
- Click *Cancel* to cancel the dialog.



### Data Igloo Log File

To view the events logged in the log file, complete the following steps:

1. Go to *C:\Program Files\Faronics\Data Igloo Standard*.
2. Double-click *Data Igloo.txt*.
3. The events are displayed in the log file.



# Uninstalling Data Igloo

This chapter describes how to uninstall Data Igloo.

## Topics

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***Uninstalling Data Igloo with the Installer***

***Uninstalling Data Igloo via Add or Remove Programs in Windows***



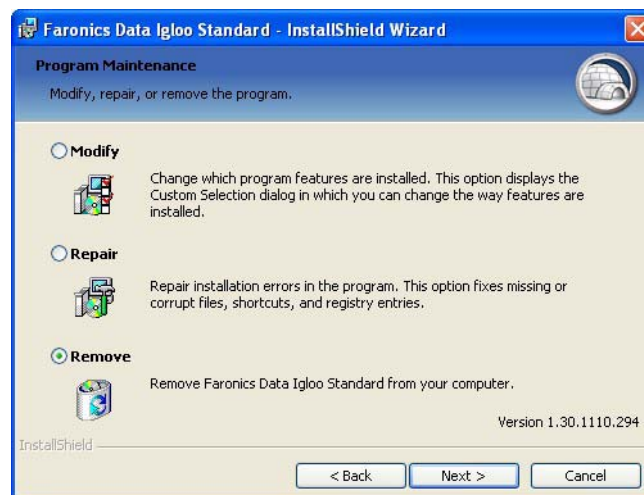
## Uninstalling Data Igloo with the Installer

Complete the following steps to uninstall Data Igloo:

1. Double-click *FaronicsDataIglooStandard.exe*. Click *Next*.



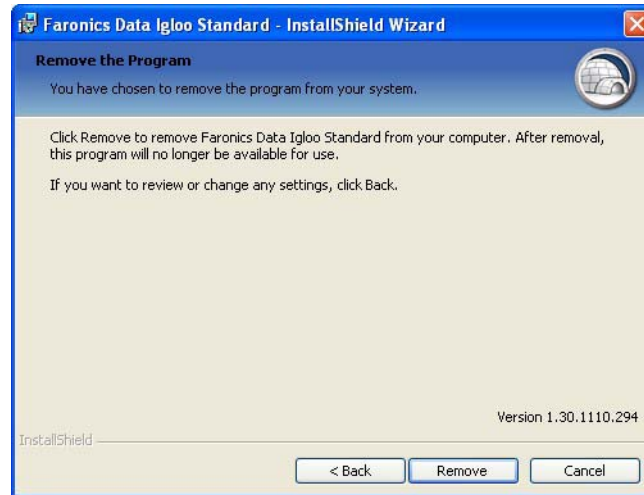
2. Select *Remove*. Click *Next*.



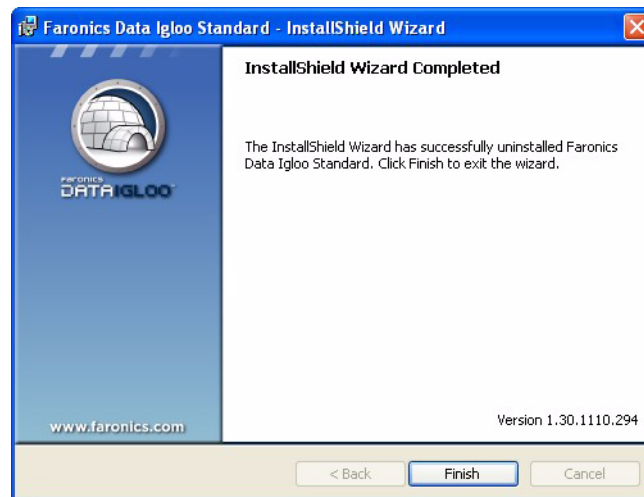




3. Click *Remove*.



4. Data Igloo is removed from your computer. Click *Finish* to complete uninstallation.





## Uninstalling Data Igloo via Add or Remove Programs in Windows

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Complete the following steps to uninstall Data Igloo via *Add or Remove Programs* in Windows:

1. Click *Start>Control Panel>Add or Remove Programs*.
2. Select *Data Igloo*.
3. Click *Remove*.



## Redirecting to Hidden ThawSpaces

Deep Freeze allows you to create Hidden ThawSpaces. This appendix explains the process to hide or display the ThawSpace.

### Topics

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***[Redirecting to Hidden ThawSpaces](#)***



## Redirecting to Hidden ThawSpaces

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ThawSpace is a virtual partition that can be used to store programs, save files, or make permanent changes. All files stored in the ThawSpace are retained after a restart, even if the computer is Frozen.

Deep Freeze allows you to create Hidden ThawSpaces. Hidden ThawSpaces are not visible in Windows Explorer. However, Hidden ThawSpaces can be accessed via *Start>Run>[Drive Letter]*.

To redirect folders that are Hidden ThawSpaces, complete the following steps before creating a Folder Redirection via Data Igloo:

1. Open Deep Freeze Enterprise on the workstation.
2. Go to *ThawSpace* tab.
3. Select the *Visible* check box for the *Drive Letter* that is not currently visible in Windows Explorer.
4. Click *OK*.
5. Log off from the computer and log on.

Now, you can perform a Folder Redirection in Data Igloo. After Folder Redirection, you can again set the ThawSpace as *Hidden*. Complete the following steps to set the ThawSpace as *Hidden*.

1. Open Deep Freeze Enterprise on the workstation.
2. Go to *ThawSpace* tab.
3. Clear the *Visible* check box for the *Drive Letter* that is not currently visible in Windows Explorer.
4. Click *OK*.
5. Log off from the computer and log on.