

## Document Overview

This document provides step-by-step instructions for installing Deep Freeze Enterprise on a single segment Local Area Network. It assumes that the console will be run on the same workstation as the Configuration Administrator. Following these instructions will allow you to have Deep Freeze installed and running within 15 minutes.

### Deep Freeze Resources

User guides, video tutorials, white papers, and other documentation on Deep Freeze Enterprise are available in the Faronics Content Library at [www.faronics.com/library](http://www.faronics.com/library).

## What is Deep Freeze?

Deep Freeze is a software program that prevents any permanent changes from being made to a computer. Deep Freeze consists of two states: *Frozen* and *Thawed*. When Deep Freeze is in a *Frozen* state, any changes made to the computer are forgotten when the computer is restarted. When Deep Freeze is in a *Thawed* state, any changes made to the computer are retained when the computer is restarted. When making changes to a computer, such as installing software or performing updates, the computer needs to be put into a *Thawed* state. A reboot is required every time the state is changed.

### System Requirements

To run the Deep Freeze Configuration Administrator and the Enterprise Console, your system requires Windows 2000, XP, Vista, Windows 7, Server 2000, 2003 or 2008 (32 and 64-bit versions of all supported operating systems). The Deep Freeze workstation installation requires Windows 2000, XP, Vista or Windows 7 (32 and 64-bit versions of all supported operating systems) and 10% free hard drive space. The hardware requirements are the same as the recommended requirements for the host operating system.

## Install Deep Freeze Enterprise

Deep Freeze Enterprise consists of the *Configuration Administrator* and the *Enterprise Console*. The *Configuration Administrator* is a tool used to create customized Deep Freeze installation programs pre-configured with passwords, schedules, and other options. The Enterprise Console is used to control and manage workstations on a network. Follow the steps below to install Deep Freeze Enterprise:

1. Double-click the file *DFEnt.exe* to begin the install process, and follow the steps presented. If you are using Deep Freeze Enterprise 6.62, the Configuration Administrator and Enterprise Console are automatically upgraded to the latest version.
2. Deep Freeze requires a customization code to be entered to initialize the Configuration Administrator. The code is not a password to access Deep Freeze; it is a unique identifier that completely encrypts the Configuration Administrator and all its associated programs. Enter your *Customization Code* to initialize the Configuration Administrator. The code must be at least eight characters long and may consist of any combination of alpha-numeric characters.



***The Customization Code must be recorded and guarded with care. Faronics is unable to recover a lost or forgotten Customization Code!***

## Using the Deep Freeze Configuration Administrator

The Configuration Administrator contains five tabs for configuring Installation Programs. The tabs include: *Passwords*, *Drives*, *Embedded Events*, *Maintenance*, and *Advanced Options*. Detailed information on these tabs is available in the Deep Freeze Enterprise User Guide.

## One Time Password Generation System

The *One Time Passwords* dialog is used to create a special temporary password to Deep Freeze that expires at midnight on the day it was created. A One Time Password (OTP) is useful if a password is forgotten or if a configuration file was created without any passwords defined. The *One Time Passwords* dialog can be accessed from the *File* menu.

## Uninstalling the Configuration Administrator

To remove the Configuration Administrator, open the *Add/Remove Programs* utility in the Windows Control Panel. Select *Deep Freeze Administrator - Enterprise* and click *Change/Remove*.

## Using the Deep Freeze Configuration Administrator

Open the Configuration Administrator by selecting the following path from your *Start* menu: *Start > Programs > Faronics > Deep Freeze 7 Enterprise > Deep Freeze Administrator*.

The Configuration Administrator contains five tabs for configuring Installation Programs. The tabs include: *Passwords*, *Drives*, *Embedded Events*, *Maintenance*, and *Advanced Options*. Detailed information on these tabs is available in the Deep Freeze Enterprise User Guide.

## Configuring the Workstation Installation Program File

The steps described below are the recommended requirements for installation program deployment. Please refer to the user guide for other configuration options.

### Create a Password for the Workstation Installation Program File

In the Configuration Administrator, go to the *Passwords* tab. Here, you have the option to create a password for the workstation installation file. This gives you a password to use when accessing the Deep Freeze icon on the client after Deep Freeze is installed. To create a password, complete the following steps:

1. Select the checkbox for the first password under the *Enable* column.
2. Select the *Workstation* option.
3. Enter a password to use in the *Password* column.

### Create Workstation Installation Program File

Click the *Create* button to create a Workstation installation program file. By default, the file name for this program is *DFWks.exe*.

### Workstation Installation and Workstation Seed

The workstation install and the Workstation Seed both install the networking components onto the client computer, which allows the client to be seen in the Enterprise Console. The Workstation Seed only contains the communication components, while the workstation installation includes both the communication components and the Deep Freeze protection. Installing the seed does not protect the client computers with Deep Freeze.

## Installing Workstation Installation Program File

After you have created a customized installation program file with the Configuration Administrator, you can deploy Deep Freeze to workstations. Disable or close any background utilities and antivirus software prior to installation. At the end of the installation, the computer reboots.

### Attended Install

To perform an attended install of Deep Freeze, complete the following steps:

1. Run the installation program file (*DFWks.exe*) on your workstation.

2. Click *Install* to begin the installation. Follow the steps presented, then read and accept the license agreement. Deep Freeze installs and the workstation restarts.

### Network Install on Multiple Workstations

Use one of the following command line syntaxes on a run once log on script to install Deep Freeze, and to create an install error report log file:

- `\\Server Name\Share Name\DFWks.exe /Install >> my.log`

All workstations restart Frozen after the installation is complete.

### Other Installation Methods

For information on installing Deep Freeze via a Silent install, a Target Install, or as part of an imaging process, please refer to the User Guide.

### Uninstalling Workstation Install

To perform an attended uninstall, run the installation program file (*DFWks.exe*) on your workstation and click *Uninstall*. The *Uninstall* option is only available if Deep Freeze workstation installation has been previously installed. The workstation must be in a Thawed state to perform an uninstall.

## Deep Freeze Workstation Access

To gain access to Deep Freeze on a workstation, use one of the following methods:

- If the Deep Freeze icon is shown in the System Tray, hold down the SHIFT key and double-click the Deep Freeze icon
- Use the keyboard shortcut CTRL+SHIFT+ALT+F6

Either method brings up the password dialog. Enter the password and click *OK* to access Deep Freeze. The password may have been created before the workstation installation file was created. If a password was not created, the console or a *One Time Password* is needed to reboot Thawed.

## Configure Enterprise Console

Open the Console by selecting the following path from the Start menu:

*Start > All Programs > Faronics > Deep Freeze 7 Enterprise > Deep Freeze Console*

The Deep Freeze Enterprise Console displays the status of all your *Frozen*, *Thawed*, *Thawed Locked*, and *Target* workstations on your network and allows you to perform specific tasks on those workstations. The Enterprise Console also supplies detailed status information with selective or group reporting.

When the console is running, you can see any client computers that have either the workstation installation or workstation seed installed. This is assuming the clients are on the same subnet, are using the same port as the console, and no firewalls are blocking communication. For more information about configuring your network, refer to the Deep Freeze Enterprise User Guide available in the Faronics Content Library at [www.faronics.com/library](http://www.faronics.com/library).

Free technical support is available to you during your evaluation period. Contact our Technical Support department at 800-943-6422 or through [www.faronics.com/support](http://www.faronics.com/support).

For further product, pricing, and ordering information, please contact the Customer Service Department at (800) 943-6422 or by email at [customerservice@faronics.com](mailto:customerservice@faronics.com)

**Deep Freeze Security Notice:** Deep Freeze does not protect against booting from a floppy drive or CD-ROM drive. The CMOS should be configured to prevent booting from the floppy drive or CD-ROM drive (i.e. set to boot to the hard drive) and the CMOS must be password protected. This is a normal precaution for most public access computers. The Windows Registry and the boot sector are protected by Deep Freeze from within Windows.