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## Chapter1 **Introducing CafeSuite Recovery Module**

### **Introduction to CafeSuite Recovery Module**

CafeSuite Recovery Module is an indispensable technology for public access computers. It guarantees that all workstations are always up and running, ready to be used by your customers. Downtime is minimized and so are the servicing costs. It's no longer necessary to frequently reinstall Windows, uninstall unwanted/illegal software left by your customers, remove malware, viruses and trojans, restore browser homepage or desktop wallpaper, etc.

The software works by restoring all disk changes even before operating system is loaded. The system can be restored automatically during each restart or scheduled according to your needs. The recovery process takes only seconds and it's transparent to the user.

It's possible to leave certain partitions unprotected, so that users can store their data persistently there (game saves, etc). And to install or update software you can always switch to a password-protected install mode where the changes you make won't be lost. To access instant recovery module configuration press **Home** key before Windows starts to load when there are three dots (...) displayed on the screen. CafeSuite Recovery Module can also be remotely configured and controlled directly from CafeSuite software.

### **Features and Functions**

#### **Instant recovery**

With CafeSuite Recovery Module you only need to spend a few seconds to bring back your system to a desirable setting you have configured. Even when your system was attack by the latest computer virus CafeSuite Recovery Module can bring it to a clean status.

#### **Protect CMOS**

Any unauthorized modification in CMOS setting will be able to retrieve back to the original configuration after system reboot.

#### **Support multi-partition**

In situation where your system was configured with multiple-partitions or multiple-operating

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systems, you will have the option to select one, selected or all partitions/operating system to be covered by CafeSuite Recovery Module.

## **Monitoring HD usage**

Space Usage will display current HD space usage, remaining disk spaces and notifies users automatically when HD free space falls behind the safe level.

## **Convenient installation**

CafeSuite Recovery Module in a pure software product and there is no need for special hardware to work in conjunction. It is not necessary to reconfigure your system such as divide partition and reinstall system before you install CafeSuite Recovery Module.

## **Simple operation**

All operations can be run on Windows interface that makes them simple and easy to operate.

## **Minimum HD space occupation**

CafeSuite Recovery Module only requires minimum HD space for installation, and with its high compression ratio, the backup files will not occupy a large portion of HD space.

## Chapter2 Glossary

### **CafeSuite**

Software package for managing places with public computer access consisting of CafeStation, CafeAgent and Recovery Module.

### **CafeAgent**

Client application from CafeSuite software that is normally installed on all client computers. CafeAgent needs to be installed before CafeSuite Recovery Module, because it allows to control recovery process remotely from CafeStation.

### **CafeStation**

Server application from CafeSuite software that manages connected client computers. It makes it possible to control and configure CafeSuite Recovery Module remotely.

### **Recovery Point**

CafeSuite Recovery Module is able to record the state of the hard disk as the base for the system to recover to later. This recorded state is called Recovery Point.

### **Recovery State**

Same as Recovery Point.

### **Recover**

To recover is the command to retrieve HD data that was previously recorded as a recovery state. It is possible to recover the system to last recovery point that was previously set. System information and settings that has not been recorded as a recovery point will be lost when users retrieve the system to an earlier recovery point.

### **Keep Data**

Keep Data will allow information and settings that has not been recorded as a recovery point to remain on the system temporary.

### **Save Data**

Save Data is the command to record the current HD information and setting as a recovery point for system to retrieve to. When you create a new recovery point it replaces the old one.

### **Free Space**

Free space refers to remaining space in HD.

## Chapter3 System requirements

### Hardware requirements

- IBM PC Pentium or higher
- SVGA display
- At least one Hard Disk supported by BIOS

### Software requirements

- Windows 2000/2003/XP/Vista
- CafeAgent installed (client application from CafeSuite software)

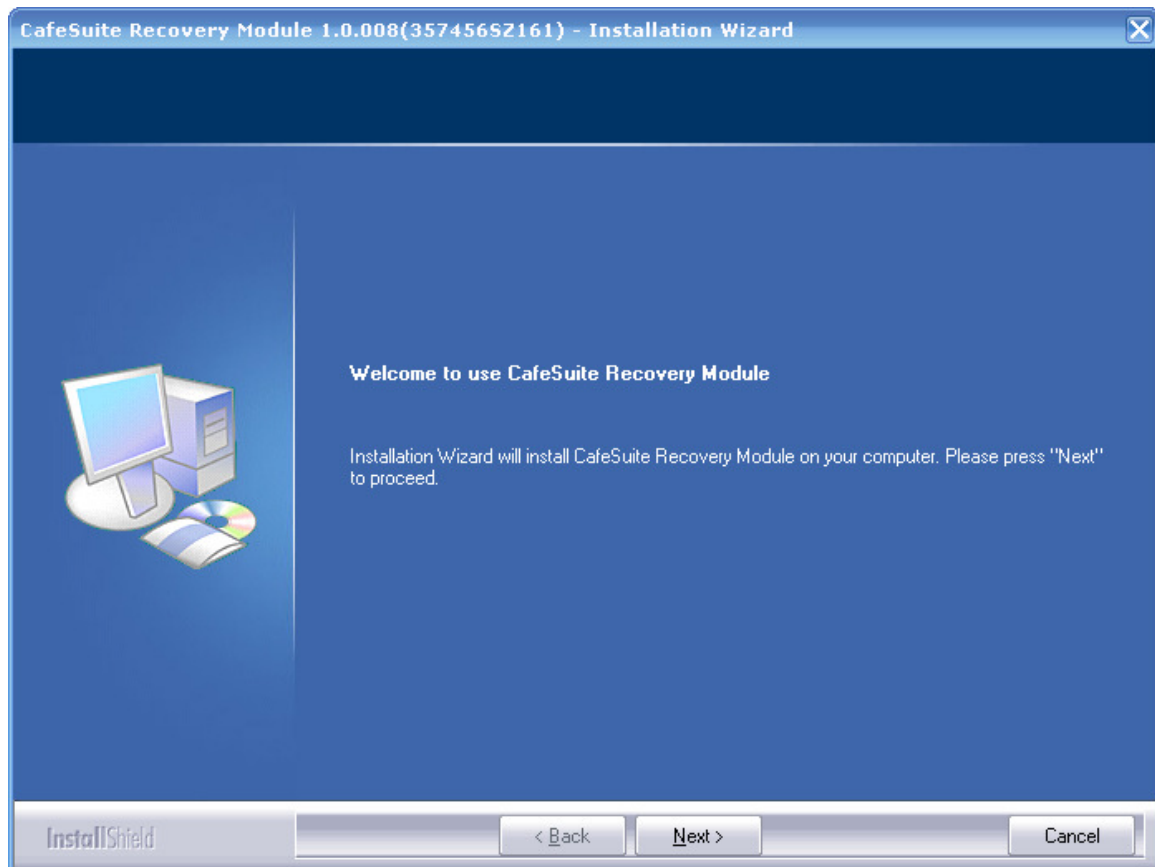
## Chapter4 Installation wizard

### Preparation

1. Please ensure that your computer operates normally and meets the minimum system requirements of CafeSuite Recovery Module.
2. The requirement to use CafeSuite Recovery Module is to install CafeAgent (client application from CafeSuite software) before.
3. If you have already installed the old version of CafeSuite Recovery Module or similar products from other vendors, please ensure they are completely removed before installation.
4. It's recommended to scan the computer to ensure it is virus free before installation. Then disable the anti-virus software temporarily because some anti-virus software may recognize the installation of CafeSuite Recovery Module as a virus by mistake.
5. Disable the virus warning option in CMOS and set the first boot device as Network or LAN in the boot sequence in CMOS.
6. Ensure the hard disks' parameters are equal to the hard disk's parameters shown in CMOS. If the hard disk's parameters are not equal, the user needs to enter in the BIOS setting to re-detect the hard disk's type and volume.
7. If any multi-boot tools have been installed in this computer, please ensure that this multi-boot tool does not occupy MBR of the hard disk. If it does, please remove the multi-boot tools before installation. Otherwise CafeSuite Recovery Module may damage your operation system.
8. User must log in Windows with an administrator account in order to install and operate CafeSuite Recovery Module.
9. CafeSuite Recovery Module can protect all partitions of the first physical hard disk only. Partitions in any other hard disk can not be protected.
10. It's strongly recommended to defrag the hard disk before installation. This will optimize the system performance and efficiency after you installed CafeSuite Recovery Module.
11. Make sure there is at least 10% of free disk space on partitions that are supposed to be protected.

## Installation procedure

1. Execute **SetupRC.exe** installation program and you will see the screen as below. Press **Next** button to continue the installation.



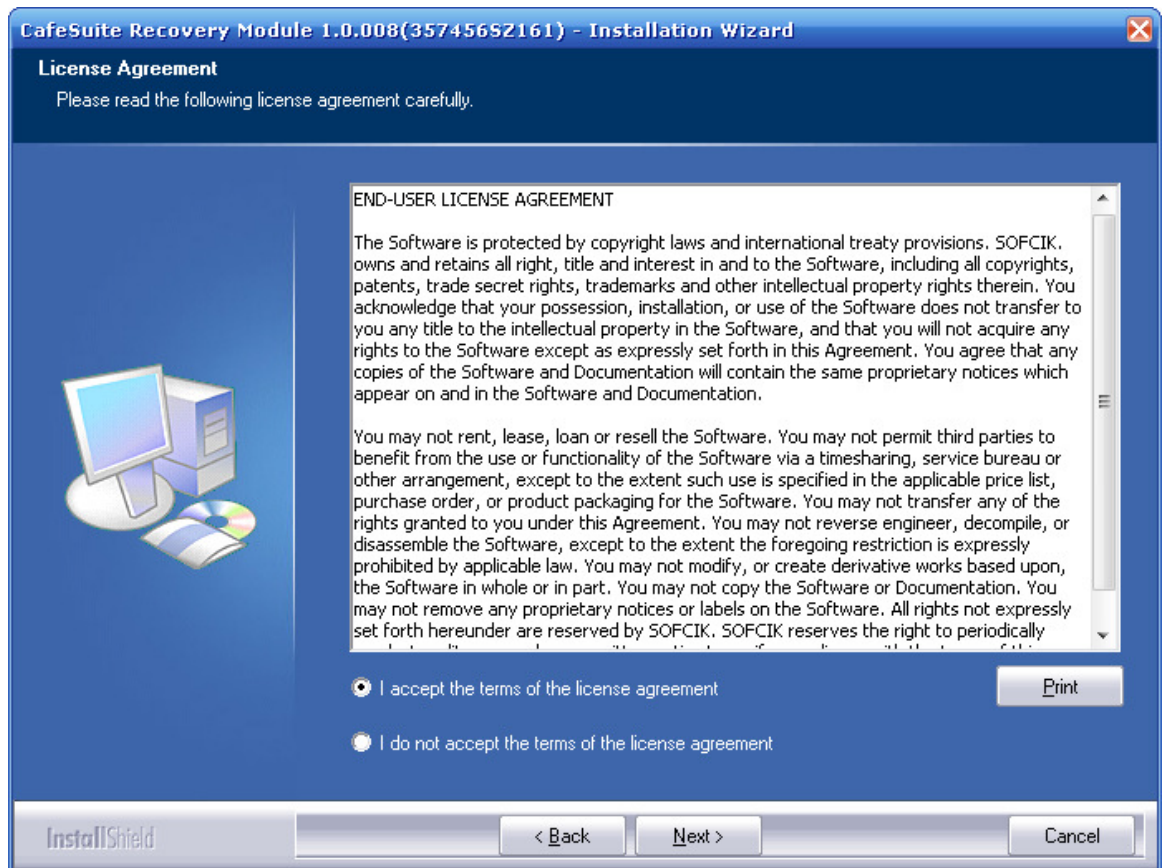


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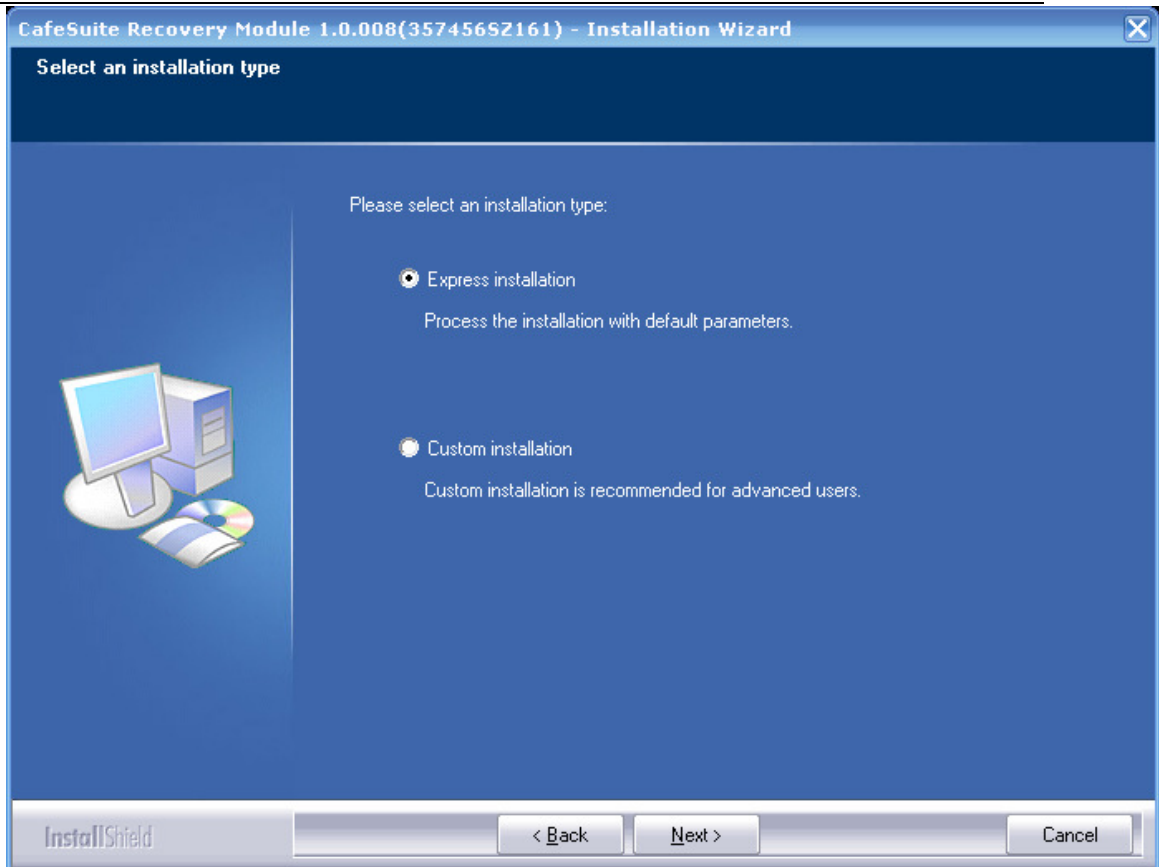
2. After reading the end-user license agreement, check **I accept** and click **Next** to continue.



3. On the next screen you can choose between:
  - **Express installation**, to automatically protect partition C, without CMOS protection enabled, with default password of '99999999'.
  - **Custom installation**, where you can set configuration on your own.

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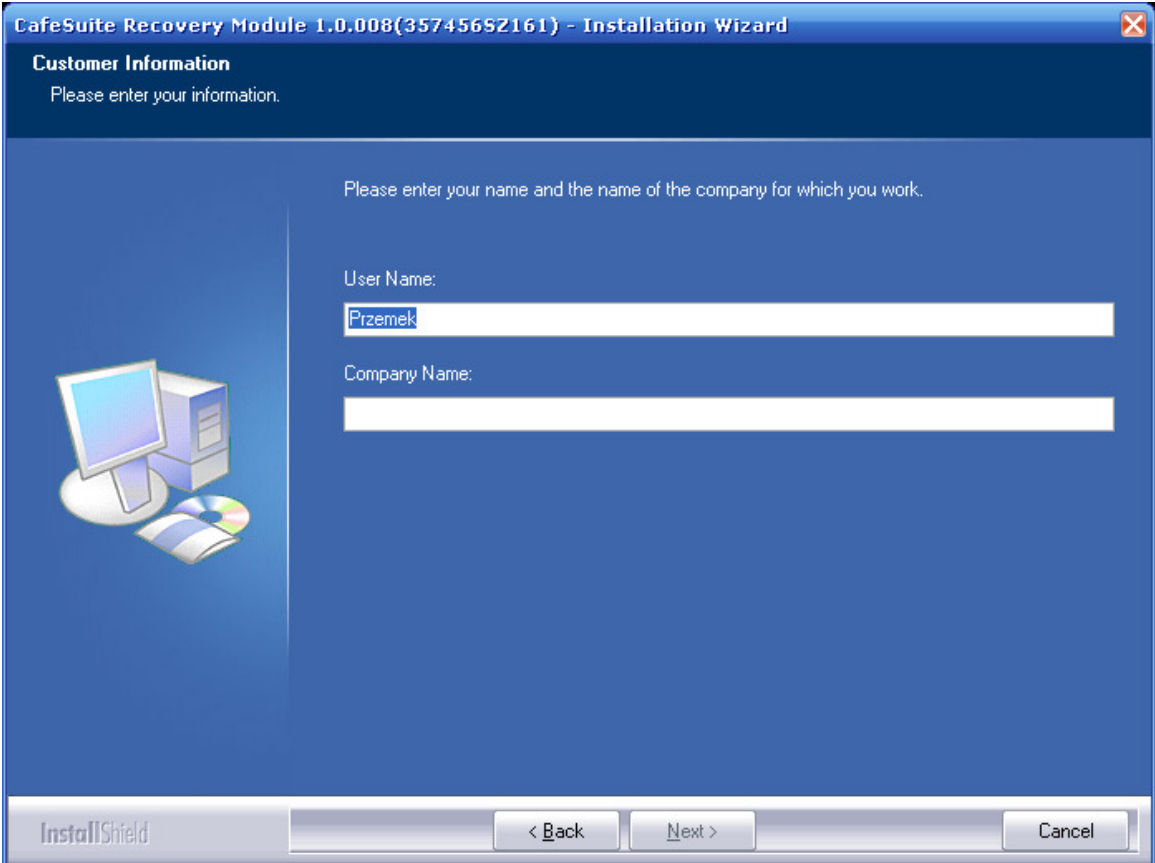
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- Next you will be asked to provide your name and company information to continue installation.

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CafeSuite Recovery Module 1.0.008(35745652161) - Installation Wizard

**Customer Information**  
Please enter your information.

Please enter your name and the name of the company for which you work.

User Name:

Company Name:

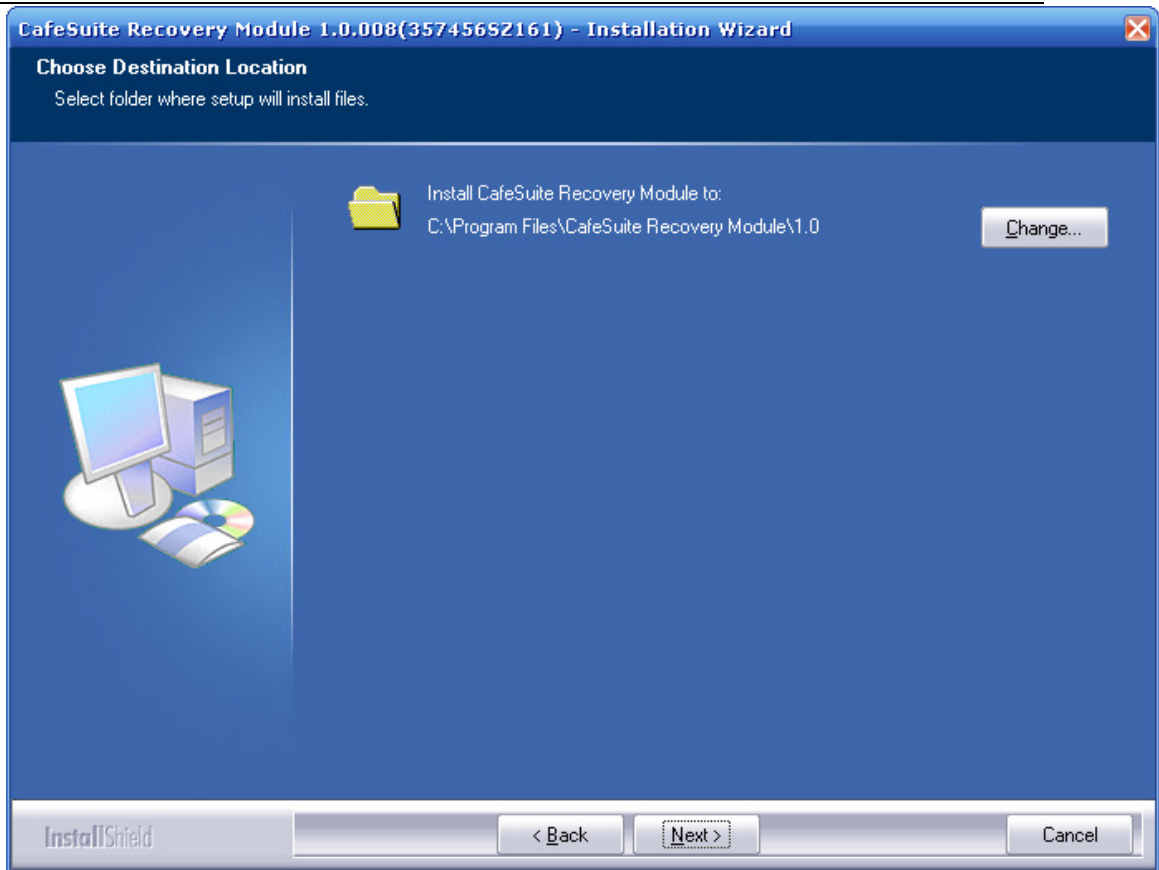
InstallShield

< Back    Next >    Cancel

5. If you chose **Custom installation**, in the following dialog, you can change destination location where CafeSuite Recovery Module should get installed.

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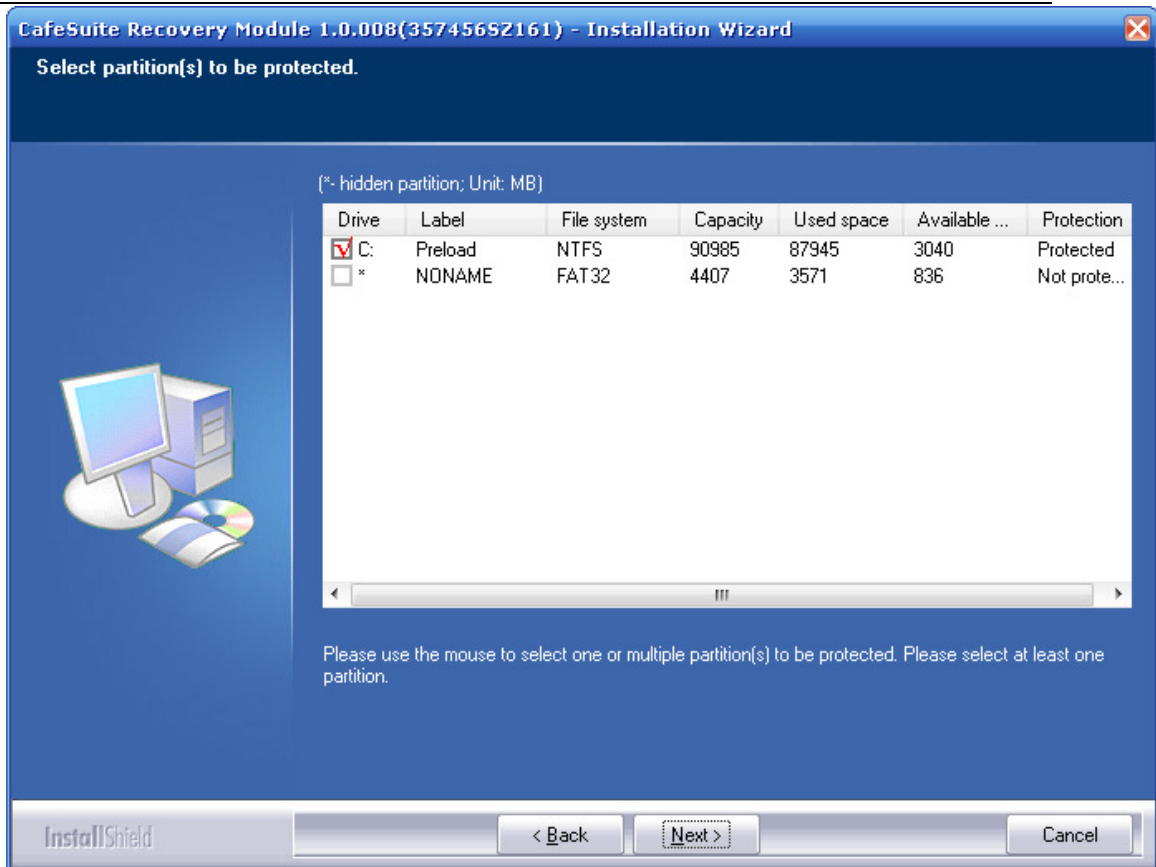
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6. If you chose **Custom installation**, in the following dialog, you can select which partitions to protect with CafeSuite Recovery Module. You can select any partitions. By default, the system protects only the first partition. (Caution: No changes are valid after installation).

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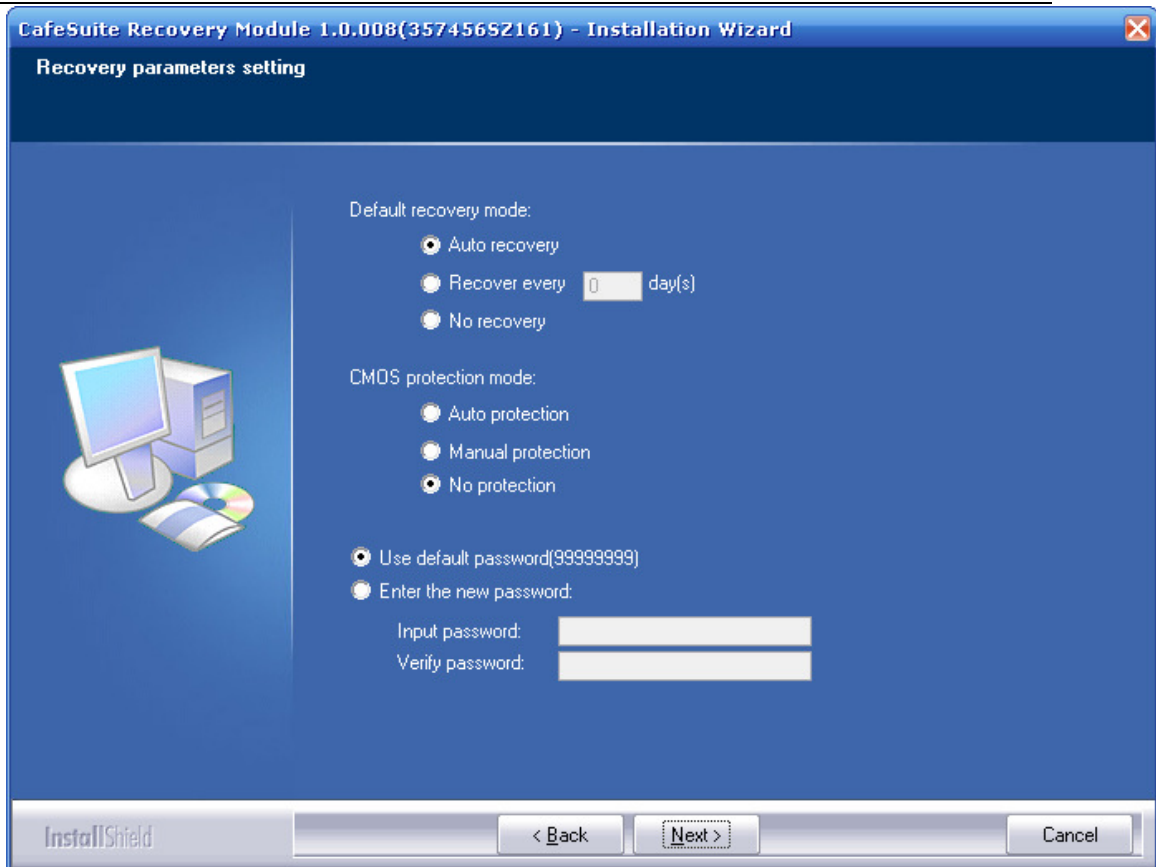
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7. If you chose **Custom installation**, in the following dialog, you can pre-set configuration for CafeSuite Recovery Module.
  - a. In **Default recovery mode**, select the action you wish to execute every time you boot up your system: *Auto Recovery*, *Recovery every X day(s)* or *No recovery (manual)*.
  - b. Set the **Protect CMOS** mode: *Auto protection*, *Manual protection* or *No protection*. With this setting is enabled, every time when the CMOS settings are changed, CafeSuite Recovery Module will notify users to either save or ignore the changes (*Manual protection*) or restore changes automatically (*Auto protection*). The default is *No protection*.
  - c. Set **Password**. The default password is: **'99999999'**.
  - d. After configuration is finished, click **Next** to continue.

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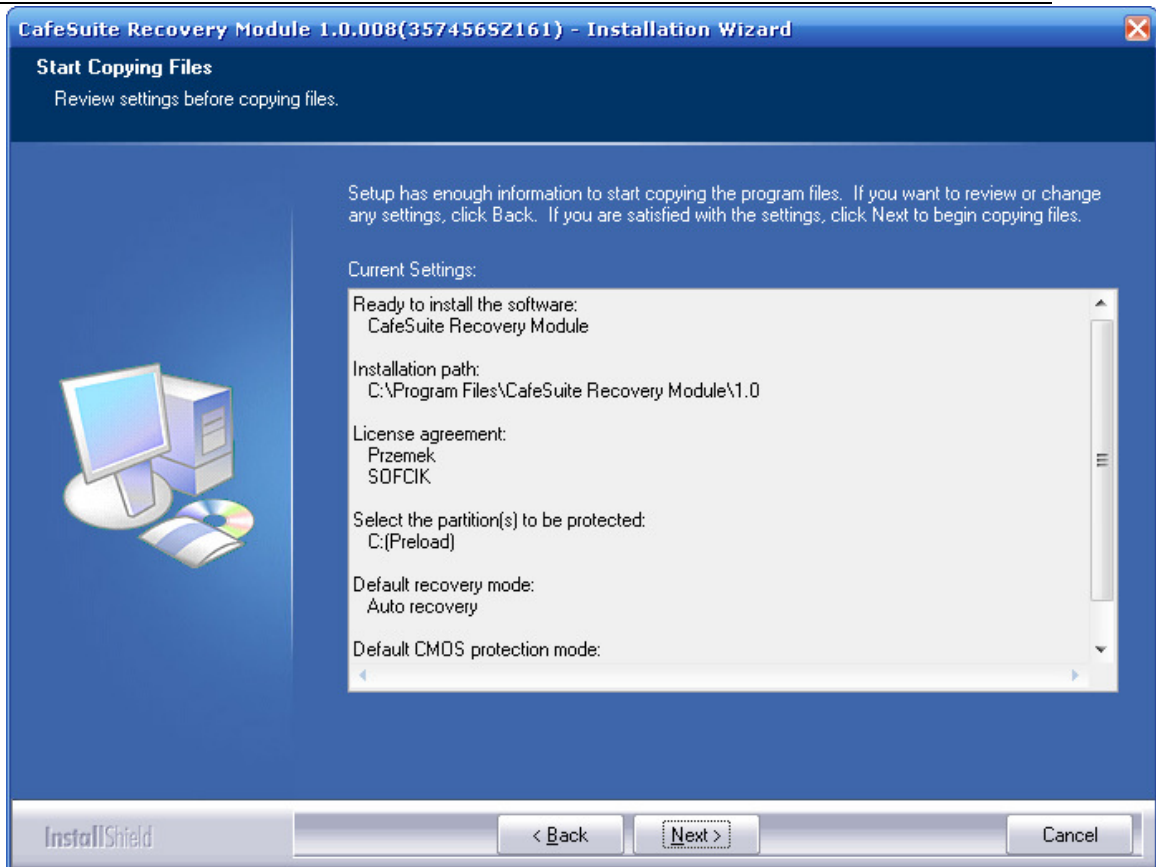
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8. Press Next to confirm settings and proceed with the installation.

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9. Finally click **Finish** and restart your computer to complete the installation.

## Chapter5 Automated installation

CafeSuite Recovery Module supports a configuration file named *Setup.cfg*. This file allows advanced users to change the default values of configuration parameters. To have the new configuration take effect, *Setup.cfg* must be saved in the same folder as *SetupRC.exe*. Otherwise the installation program will use the default configurations. *Setup.cfg* is a text file and all parameters are provided in the form “key=value”.

There is just one section named [Startup] that contains all installation settings.

### [Startup] section

This section includes the parameters which need to be set during the installation. Changing the parameter values here will affect the process of the installation program. Here are the parameters included in this file:

#### 1. Setting recovery parameters

- **ProtectPartition:** This parameter defines which partitions will be protected by default. It uses a letter plus a colon “:” to represent a partition. If multiple partitions need to be protected, it requires a “|” to separate each different partition. For example, if you want to select C drive and D drive to be protected, you will enter “ProtectPartition=C:|D:”. If no values or invalid values are input, the installation will always protect only the partition that stores system files.
  
- **RecoveryMode:** This parameter defines the default recovery mode.
  - ◆ Auto: Auto recovery. (This is the default setting when no value is input.)
  - ◆ Every: Regular recovery. If this value is set, you must also set EveryDays
  - ◆ No: No recovery.
  
- **EveryDays:** When “RecoveryMode=Every”, this means system will recover every xx days and you have to set a value for EveryDays. Valid value: 1 ~ 50. If a number smaller than ‘1’ is set, EveryDays will be automatically set by ‘1’. If a



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number greater than '50' is set, EveryDays will be automatically set by '50'.

- **CmosMode:** This parameter defines the default CMOS protection mode.
  - ◆ Auto: Auto protection
  - ◆ Manual: Manual protection
  - ◆ No: Not protection
  
- **DefPassword:** This parameter defines whether to use the default password.
  - ◆ Yes/1: Use the default password.
  - ◆ No/0: Use the self-defined password. When this value is set, you can also set NewPassword to define the new password.
  
- **NewPassword:** This parameter defines the new password. This parameter is **effective** only when "DefPassword=No". If no value is set here, no password will be requested for users. The password can't exceed 8 characters. If an invalid value is set here, the installation program will prompt an error message and automatically cancel the installation.
  
- **WarningVal:** This parameter defines the preset alarm percentage for insufficient disk **space**. Valid value: 1 ~ 99. If an invalid value is input, this parameter will be automatically set by '10'.

### 2. Setting installation program

- **InstallTargetDir:** This parameter defines the default folder for installation. It must be a valid path. Warning: The folder must be set under an existing local drive. Network path is not allowed. The format of the path must be like "C:\xxx\xxx\xxx". "C" can be replaced by the letter of any existing drive. Please do not set a root directory (e.g. "C:"). Please do not include a slash "\" in the end of the path. If an invalid path is input, the installation program will automatically use the default path.
  
- **FastInstall:** This parameter defines whether **Express Installation** or **Custom Installation** as default.
  - ◆ Yes/1: Express Installation (This is the default setting when no value is input).
  - ◆ No/0: Custom Installation.
  
- **AutoInstall:** This parameter defines whether to automatically (silently) install the recovery software or not.

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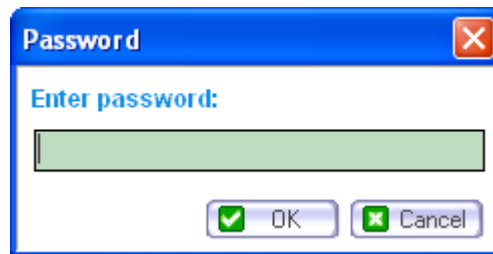
- ◆ Yes/1: Silent (Automatic) installation. When this value is set, after double clicking on the “Setup.exe”, the installation program will automatically finish installing the software in the background based on all the parameters set in “Setup.cfg”. No user interface of InstallShield will show.
  - If any error occurs, no error message will be returned. All error information during the installation will be recorded in “Osrinst.log”, which is located under the root directory of the drive where system files are stored.
  - All parameters required by AutoInstall can be set in “Setup.cfg”.
  - If **NetPassword** and **InstallTargetDir** are set, please make sure the values for both parameters are valid. Otherwise the installation can't finish.
  - If AutoInstall is set as Yes, all the other parameters can be set except for **FastInstall**. **FastInstall** will not be not effective.
- ◆ No/0: When this value is set, after double clicking on the “Setup.exe”, the installation program will show all UI of InstallShield for users to define parameters. (This is the default setting when no value is input.)
- **NoRebootWindow:** This parameter defines whether to reboot Windows after the installation program is finished. After the installation program goes through all the steps, it requires rebooting the computer in order to complete the installation. But users can set this parameter to skip the reboot.
  - ◆ Yes/1: Will not reboot the computer.
  - ◆ No/0: Will reboot the computer. (This is the default setting when on value is input.)

## Chapter6 Uninstallation

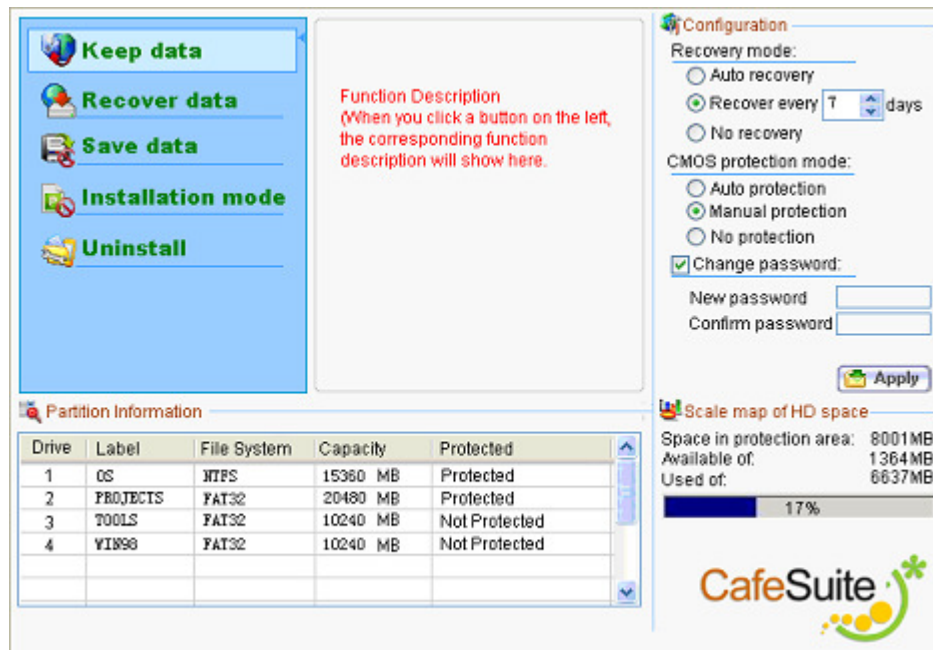
### Uninstallation from boot menu

This command will recover the system to the last Recovery Point before uninstalling CafeSuite Recovery Module.

1. Press **Home** key before Windows starts to load while there are three dots (...) displayed on the screen. The **Password** prompt should appear:



2. Enter the Password and press **OK** for the following prompt:



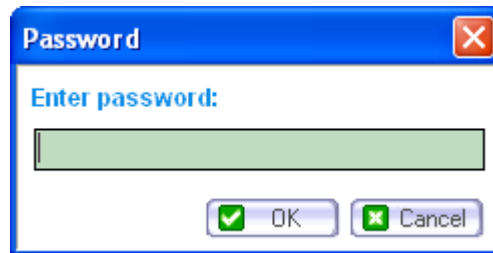
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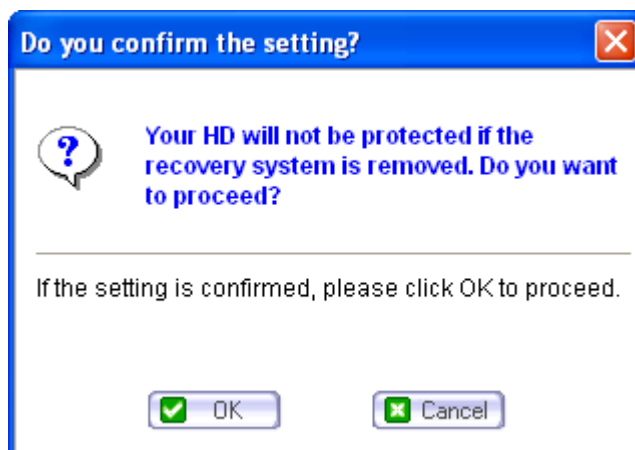
3. Press **Uninstall** button and then confirm to proceed with uninstalling CafeSuite Recovery Module.
4. CafeSuite Recovery Module is successfully uninstalled.

## Uninstallation from Windows

Please use *Add/Remove Programs* applet in *Control Panel* to uninstall CafeSuite Recovery Module (password protected). You may either recover your system to the selected recovery point or save the current settings and information on your computer before you uninstall the CafeSuite Recovery Module.



1. Enter the user password then press **OK**
2. Press **Apply** for the following prompt:



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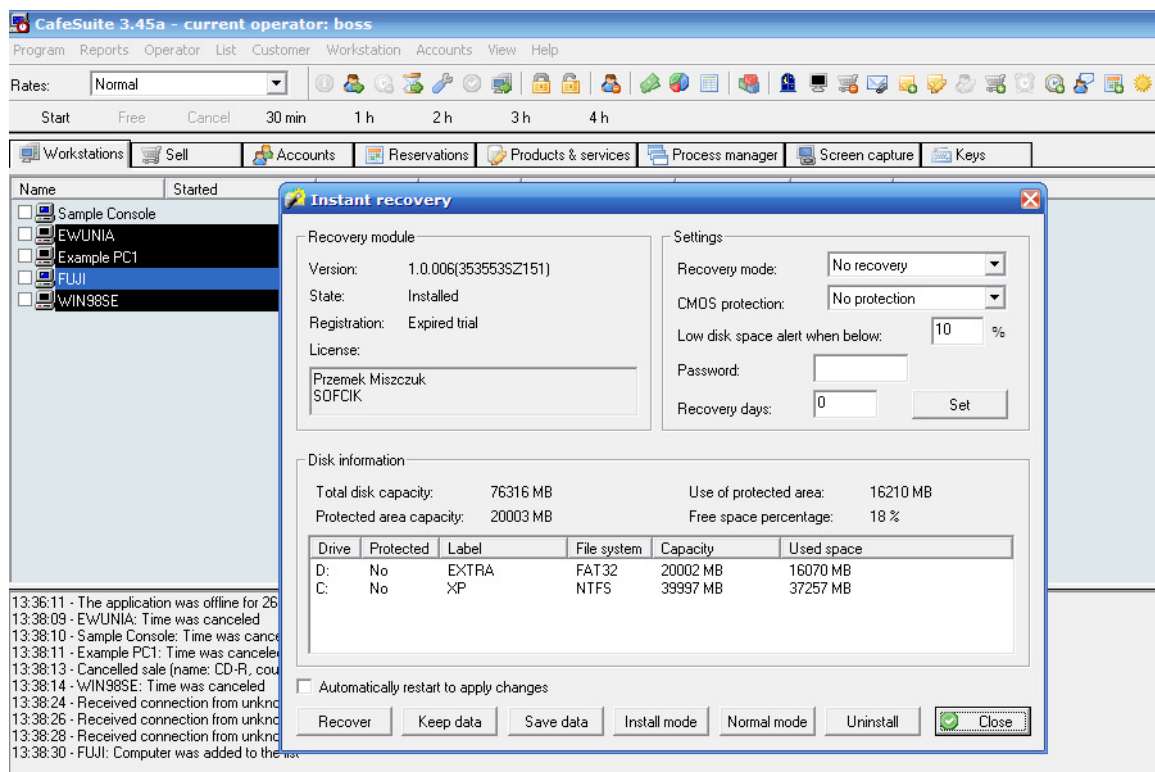
3. Press **OK**. The command takes effect after system reboots.

## Notes:

- Make sure you restart the computer immediately after you proceed with this command.
- A power surge during uninstall might lead to system collapse.

## Uninstallation from CafeStation

You can uninstall CafeSuite Recovery Module remotely from CafeStation (server application in CafeSuite software). Please select one or more client PCs from the *Workstations* panel in CafeStation and click menu *Workstation/Instant recovery*. On the following screen please enable *Automatically restart to apply changes* checkbox and click *Uninstall* button to proceed with uninstalling CafeSuite Recovery Module from selected computers.



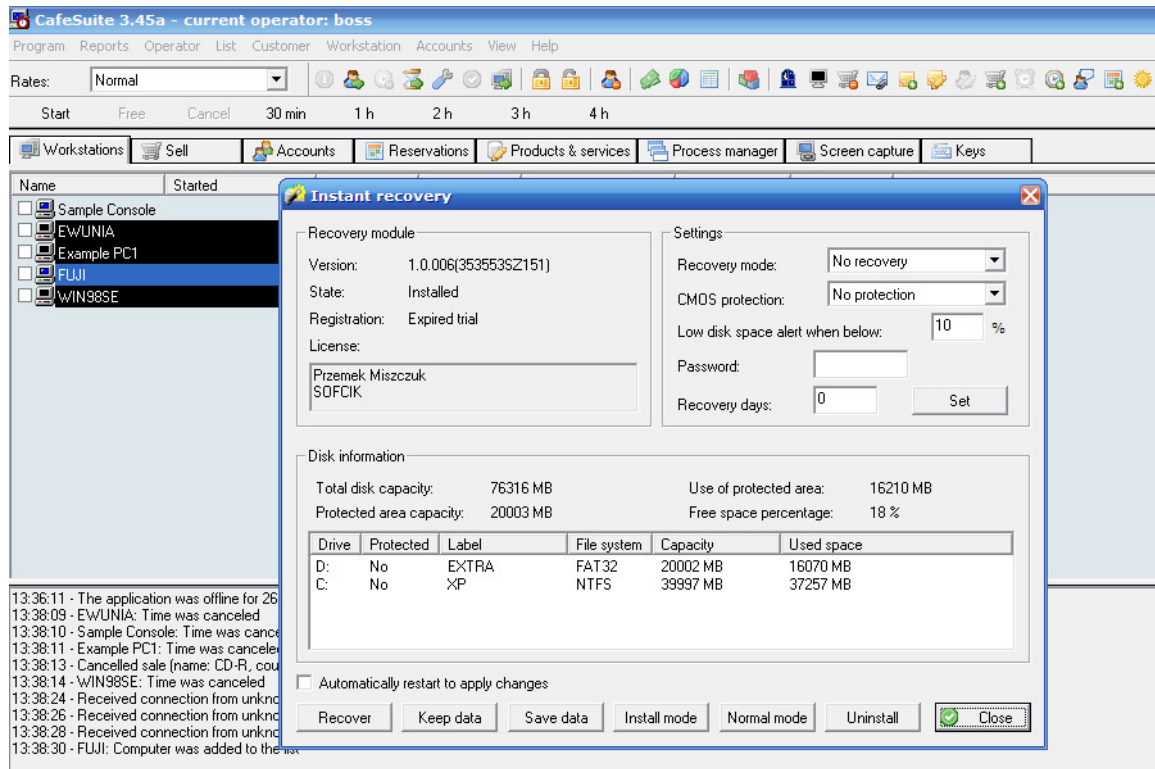
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## Chapter7 Working from CafeStation

You can control CafeSuite Recovery Module remotely from CafeStation (server application in CafeSuite software). Please select one or more client PCs from the *Workstations* panel in CafeStation and click menu *Workstation/Instant recovery*. The window will display basic recovery information and provide controls to change settings and control recovery process.



### Space usage and partition information

This function will display current HD usage information and partition information on selected client PC in CafeStation.

1. Select any client PC from *Workstations* panel in CafeStation and click menu *Workstation/Instant recovery*.

2. The window displays current HD usage information, and Partition Information.
  - The system will automatically notify users when HD free space falls below the user-defined percentage.
  - The Partition Information displays HD information including type, size, used space, free space and protection property for all the partitions.

### Recover

This command will restore HD data to the last saved state.

1. Please enable *Automatically restart to apply changes* checkbox if you want the system to be restarted and recovered immediately.
2. Press **Recover** button to execute command on all currently selected client workstations.

### Keep data

This command will keep the current HD state untouched after next reboot even though computers are set to auto recovery mode.

1. Please enable *Automatically restart to apply changes* checkbox if you want the system to be restarted immediately afterwards.
2. Press **Keep data** button to execute command on all currently selected client workstations.

### Save data

This command saves the current state of HD overriding previously set recovery point.

1. Please enable *Automatically restart to apply changes* checkbox if you want the system to be restarted immediately in order to create recovery point.
2. Press **Save data** button to execute command on all currently selected client workstations.



## Install mode

This command recovers the system to the latest saved state, temporarily pauses the protection, and enters Installation Mode, so that new software and updates can be installed persistently.

1. Please enable *Automatically restart to apply changes* checkbox if you want the system to be restarted immediately afterwards.
2. Press **Install mode** button to execute command on all currently selected client workstations.

## Normal mode

This command stops **install mode** after all the new software and updates were installed and the system should be protected again.

1. Please enable *Automatically restart to apply changes* checkbox if you want the system to be restarted immediately afterwards.
2. Press **Normal mode** button to execute command on all currently selected client workstations.

## Uninstall

This command recovers the system to the latest saved state and uninstalls the recovery module.

1. Please enable *Automatically restart to apply changes* checkbox if you want the system to be restarted immediately afterwards.
2. Press **Uninstall** button to execute command on all currently selected client workstations.

## Settings

CafeSuite Recovery Module allows you to change different parameters in CafeSuite Recovery Module including Recovery mode, CMOS Protection, password and low disk alert. To set these parameters select desired values and press **Set** button.

### *Recovery mode*

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**Auto recovery:** By selecting this option, the system will be automatically recovered to last recovery point every time you reboot the system.

**No Recovery:** By selecting this option, the system will be automatically keep data every time you boot the system.

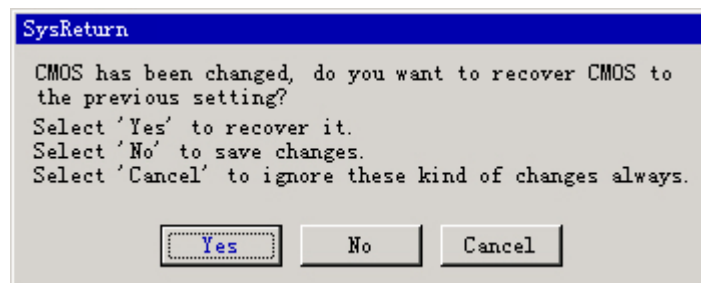
**Regular recovery (Recovery days: xx):** This option enables the system to be automatically recovered every a certain period, from 1 to 100 days.

[Note:]

Given that the system is set to recover every 7 days. Then the system will automatically recover in the first boot after 12:00am of the 8<sup>th</sup> day. If you don't boot the system until the 10<sup>th</sup> day, the system will be recovered in the first boot on the 10<sup>th</sup> day. Based on this rule, the following recovery will be automatically executed in the first boot after 12:00am of the 15<sup>th</sup> day, 22<sup>nd</sup> day, 29<sup>th</sup> day and etc.

### ***CMOS protection***

By enabling **CMOS protection**, if any modification is made to CMOS, the system will automatically recover CMOS settings when you reboot your system (**Auto protection**) or the user will be asked whether to restore CMOS (**Manual protection**). After reboot, system prompts the following dialog box:



Press **Yes** to recover CMOS to the original configuration, or press **No** to save changes on the new CMOS configuration. The **Input Password** prompt will appear. Input the correct password to save the modification; otherwise, you will not be able to save these changes.

### ***Alarm setting***

In **Low disk space alert below** field, you can set an alarm for disk space status. CafeSuite Recovery Module will prompt an alarm when available disk space is lower than the value of the pre-set percentage.

## *Password*

By entering new password **Password** field, you can change the current recovery module password.

## Chapter8 Working from boot menu

### Operation Notes

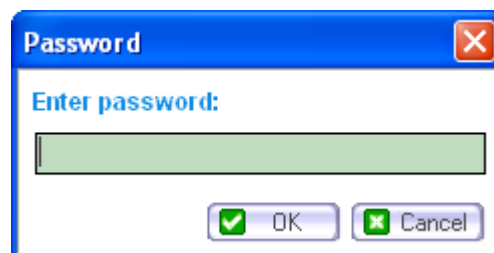
- Windows style GUI interface.
- Press **Home** key before Windows starts to load while there are three dots (...) displayed on the screen.
- Supports operation with both mouse and keyboard.
- Using keys:

Keys	Description
Arrow keys	Item selection
Enter	Accept configuration
ESC	Quit or cancel
Space	Switch between boxes
Tab or Shift+Tab	Switch between Tabs

### Interface description

#### Boot menu

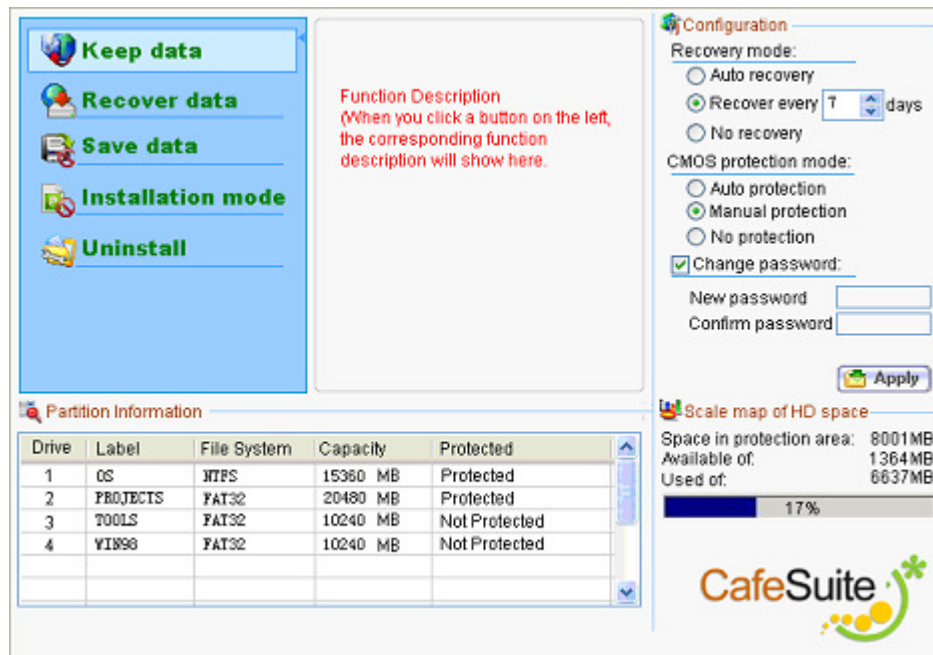
Press **Home** key before Windows starts to load while there are three dots (...) displayed on the screen. The **Password** prompt should appear:



Input user password and press OK to enter **Boot menu** Interface:

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**Keep data:** This will keep the current HD state without recovery.

**Recover:** This will recover the system to the latest saved state.

**Save data:** Save the current state of the HD. This will replace the latest saved state.

**Installation mode:** Recover the system to the latest saved state, temporarily pause the protection, and enter Installation Mode.

**Uninstall:** Uninstall CafeSuite Recovery Module.

**Configuration:** recovery settings

All functions and settings are identical as in CafeStation described earlier in this document.

## Chapter9 Frequently Asked Questions

?Q1: Can I shut down the computer during system recovery?

A1: No. A power surge during recovering might lead to system collapse. If you want to recover the system, please restart the computer and press **Home** key to enter **Configuration** Interface --> select **Recover** and press **OK**, then the system will be recovered to the last saved point.

?Q2: Can I execute more than one command in CafeSuite Recovery Module at one time?

A2: No. Every time when you execute a command, you have to reboot your computer in order to have the command take effect. Since the last operation will override your previous configuration, system only executes the LAST configuration after the reboot.

?Q3: How do I install CafeSuite Recovery Module if my computer has multi-operating systems installed?

A3: CafeSuite Recovery Module should only be installed on computers with one operating system.

?Q4: What shall I do if I cannot enter Windows?

A4: You may directly enter CafeSuite Recovery Module Interface by pressing **Home** key to enter recovery configuration, and select **Recover** and press **OK** - the system will recover to the state of the last recovery point.

?Q5: Do I have to uninstall CafeSuite Recovery Module on every system separately if my computer has multi-operating systems installed?

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A5: No. You only need to uninstall CafeSuite Recovery Module in one operating system and then CafeSuite Recovery Module will be totally removed from your computer.

**Q6:** Can I install anti-virus software if CafeSuite Recovery Module is installed on my computer?

A6: Yes, but it's recommended to do it after you complete CafeSuite Recovery Module installation.

**Q7:** Is it possible to install CafeSuite Recovery Module without installing CafeAgent? Can I use CafeSuite Recovery Module on the server PC?

A7: It is possible, but not recommended, because CafeSuite Recovery Module was designed to be used on client computers with CafeAgent installed.