# **FarStone RestoreIT® 2014**

# **Users' Guide**

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Answers to frequently asked questions are posted on our website at <u>www.farstone.com/support/product-support.htm</u>. For other support issues, please contact FarStone Technical Support at <u>www.farstone.com/support</u>.

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# **Chapter 1: Introduction**

## **1.1 Product Overview**

RestoreIT® 2014 backs up an entire computer system to a Secure Zone.

RestoreIT® 2014 also provides a fast method to recover from software-related data disasters.

RestoreIT® 2014 is sector level backup function.

RestoreIT® 2014 stores only the changed data sectors into the Secure Zone. The amount of storage capacity required for each snapshot is substantially less than the entire amount of data on the hard drive.

As a result, RestoreIT® 2014 offers a significant savings of hard drive space and an increased restoration and backup speed compared with hard drive imaging or complete disk cloning methods.

# **Chapter 2: Installing and Uninstalling RestoreIT®**

2.1	<b>System</b>	Requirements

CPU:	Pentium or higher (64 bit CPU)
RAM:	1G or more
Operating System Supported:	Windows 8 (32 & 64-bit), Windows 7 (32 & 64-bit)

## 2.2 Installing RestoreIT®

1. Select **Setup**, and click **Next**.

2. Carefully read the software license agreement. Once you accepted, select **I Agree** the terms in the license agreement, and click **Next**.

3. Enter your personal information and License Key, and click Next.



**Note** Installation without purchasing a serial number will activate a time-limited evaluation version of RestoreIT®.

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4. Select typical installation or custom installation. Click **Next** to install to the default folder, or **Browse** to select another location.

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5. Click **Install** to launch the installation process.

6. Click **Finish** to complete the installation. You are required to restart your computer to complete the installation. RestoreIT<sup>®</sup> will take a system snapshot of your computer after successful installation.

# 2.3 Uninstalling RestoreIT®

1. From the Windows Start menu, select **Start ->Settings->Control Panel**.

2. Double-click Add/Remove Programs, and select Change or Remove Programs.

3. Select **RestoreIT<sup>®</sup> 2014**, and click **Remove** to begin uninstalling the associated component.

# **Chapter 3: Start Using RestoreIT®**

To launch RestoreIT<sup>®</sup>, double-click the **RestoreIT 2014** icon on your desktop or select **Start** -> **All Programs** -> **FarStone**-> **RestoreIT 2014** 

# **3.1 Activation and Deactivation**

## 3.1.1 Activation

When running the product, you may hit **Continue** without entering a serial number to trigger a 14 days trial.

Or click **Click here to enter your serial number** to activate **RestoreIT**®, and the following window will pop up.

RestoreIT 201	4	
	Software Setup	
	Choose an option below <ul> <li>I have a serial number for this product</li> <li>UserName:</li> <li>Company:</li> <li>Serial Number:</li> </ul> <li> O I want to try RestoreIT 2014 for 14 day(s)</li>	
© FarStone	Quit	Next

Select **I have a serial number for this product**, and enter your personal information and serial number. Click **Next** to continue.

After entering the serial number, you will see the following dialog box:

RestoreIT 201	4 🔲 🗖 🗖
	Activation
	Please take a few moments to activate your copy of RestoreIT 2014. Activation ensures that you have a genuine copy of Farstone software. Farstone does not receive or use any personal data during activation. You have 29 days to complete your product activation. After 29 days you will be unable to use this product until you successfully complete activation. Activation from Internet Click the Activate Now button below to activate product via the Internet. Note: Activation cannot be cancelled once started
	Other activation options     I will activate this product from the main user interface     Quit Activate Later Activate Now
S FARSTONE	Quit Activate Later Activate Now

Click **Activate Now**. Then fill in a website to register the product. Then your installation is complete

If you do not have internet access, click the blue phrase "**other activation options**". This will allow you to activate the product via e-mail.

1. You	need to send the Serial Number and Mac Address (below) to the Activatio
Email A	ddress.
S/N: Mac	*****-********************************
	Copy to dipboard
Activ	ation E-mail Address; Activation@farstone.com
2. Plea Activat Activ	se insert the Activation Code in the text frame below after you receive the ion Code via e-mail. ation Code:
2. Plea Activat Activ 3.Click	se insert the Activation Code in the text frame below after you receive the ion Code via e-mail. ation Code: the Activation Now button below to activate RestoreIT 2014 via e-mail.

## \*Skip this step unless you do not have internet access for activation.

1. Click **Copy to clipboard** button to copy the serial number and Mac address to send to the activation address: <u>Activation@farstone.com</u>.

2. Our technical support engineer will send you an Activation Code via e-mail. Just put the activation code to the specified frame once you have received the email from us.

## 3. Click **Activate Now**.

#### 3.1.2 Deactivation

Deactivation steps:

1. Click **Help** on the main console, select **Deactivation**, you will see the following dialog box:

SestoreIT 2014	4 💽
	Deactivation
	Deactivating this software will allow you to install and activate RestoreIT 2014 on another computer.
	Deactivation affects all RestoreIT 2014 components on this computer. You will not be able to run any RestoreIT 2014 components on this computer unless you decide to reactivate. Deactivation requires an Internet connection and cannot be cancelled once started.
	5/N: *****-*******************************
K	Erase my serial number from this computer after deactivation completes
C FARSTONE	Cancel · Deactivate

# 2. Click Deactivate.

3. Click **Yes** to deactivate successfully, then click **Quit**.



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Тір
If you want to run the program on another computer, please purchase more
licenses or you can also deactivate the program from this computer to free
up the seriel number
up the senai number.

\_\_\_\_\_

# 3.2 Main Console



#### RestoreIT® Main Console

**Create a System Snapshot** – Click here to start creating a Restore Point and secure your computer.

**Return to a System Snapshot** – Click here to restore the system to a specified system snapshot.

#### 3.2.1 Backup

Click **Backup** column on the left side to create a system snapshot.



1. Enter a name for the System Snapshot, the default is **My System Snapshot (data/time)**.



3. If any program is currently writing data to the hard drive, RestoreIT may not be able to create a System Snapshot.

4. Click **Finish** after a System Snapshot has been created.

#### 3.2.2 Restore

Click Restore column on the left side to launch restoration.

		1	/	1				
Main Console	Resto	ore F	iles					
Back Up	Please se	elect a	System	Snaps	hot fro	m the l	ist below. '	Your system will be restored to the date displayed.
C Restore	Step 1:	Choo	se a d	ate				Step 2: Choose a System Snapshot
Tools			s	EP 20	13	•		19/25/2013 10:30:15 AM System Snapshot
-	Sun	Mon	Tue	Wed	Thur	Fri	Sat	
Help	.25		27	28	29		31.	
-	1	2	3	4	5	6	7	
	8	9	10	11	12	13	14	
mune to physical	15	16	17	18	19	20	21	
amages of local hard drive,	22	23	24	25	26	27	28	
stem to other location with	29	30		2	3	- (4)	0	
TatalDa savara Das	_			_	_			

1. Select the date you want to restore to from the calendar on the left pane, and select the System Snapshot of that day you would like to restore to on the right pane.

2. Click File Restore to restore specific files in the restoration point. Or click for to complete system restore.

to do a

**Tip** If you choose to restore the C Drive only, the System Recovery only restores the files on the active partition; All of the System Snapshots created before the restoration point can only be used to restore the C: drive.

#### **3.2.3 Tools**

*3.2.3.1 Mount & Preview Snapshot* Looking up Mount & Preview Snapshot, please refer to <u>3.2.2</u>

#### 3.2.3.2 Unmount preview drive

Click here to unmount all previously-mounted partition(s).

#### 3.2.4 Help

Click **Help** on the left column to look up manual, get technical support, and obtain licenses and other functions.

3.2.5 Settings

Virtual Partition  C Enable RestoreIT functions  Resize virtual partition 1.751GB free of 1.828GB  Schedule snapshot  C Create snapshot every 3 • hour(s)  Event-driven snapshot  C Create snapshot when any system file is changed  C Create snapshot when install new program Create snapshot every 0.25 • hour(s) between each event  Automatic Restore  Restore the entire hard drive • to the latest System snapshot at every startup  Notification  Reboot the computer every time after the recovery  Display toaster message  Security Password for entering UI, uninstallation	estoreIT 2014 - Settings
<ul> <li>Enable RestoreIT functions Resize virtual partition 1.751GB free of 1.828GB</li> <li>Schedule snapshot         <ul> <li>Create snapshot every</li> <li>Image: provide the start of t</li></ul></li></ul>	-Virtual Partition
Resize virtual partition   1.751GB free of 1.828GB   Schedule snapshot   Create snapshot every     Create snapshot when any system file is changed   Create snapshot when install new program   Create snapshot every   0.25 • hour(s) between each event   Automatic Restore   Restore the   entire hard drive • to the latest System snapshot at every startup   Notification   Restore the computer every time after the recovery   Display toaster message	Enable RestoreIT functions
1.7516B free of 1.828GB         Schedule snapshot                 Create snapshot every	Resize virtual partition
Schedule snapshot    Create snapshot every     Event-driven snapshot  Create snapshot when any system file is changed  Create snapshot when install new program      Create snapshot every     0.25 • hour(s) between each event      Automatic Restore  Restore the entire hard drive • to the latest System snapshot at every startup  Notification      Q Reboot the computer every time after the recovery  Display toaster message     Security      Password for entering UI, uninstallation	1.751GB free of 1.828GB
Create snapshot every <ul> <li>hour(s)</li> </ul> <li>Event-driven snapshot <ul> <li>Create snapshot when any system file is changed</li> <li>Create snapshot when install new program</li> <li>Create snapshot every <ul> <li>0.25</li> <li>hour(s) between each event</li> </ul> </li> <li>Automatic Restore <ul> <li>Restore the entire hard drive</li> <li>to the latest System snapshot at every startup</li> </ul> </li> <li>Notification <ul> <li>Reboot the computer every time after the recovery</li> <li>Display toaster message</li> </ul> </li> <li>Security <ul> <li>Password for entering UI, uninstallation</li> </ul> </li> </ul></li>	Schedule snapshot
Event-driven snapshot         Image: Create snapshot when any system file is changed         Image: Create snapshot when install new program         Create snapshot every       0.25 • hour(s) between each event         Automatic Restore         Image: Restore the       entire hard drive • to the latest System snapshot at every startup         Notification         Image: Reboot the computer every time after the recovery         Image: Display toaster message         Security         Image: Password for entering UI, uninstallation	Create snapshot every 3 - hour(s)
<ul> <li>Create snapshot when any system file is changed</li> <li>Create snapshot when install new program</li> <li>Create snapshot every</li> <li>0.25 • hour(s) between each event</li> </ul> Automatic Restore           Restore the         entire hard drive • to the latest System snapshot at every startup   Notification           Reboot the computer every time after the recovery           Display toaster message   Security           Password for entering UI, uninstallation	-Event-driven snapshot
Create snapshot when install new program   Create snapshot every   0,25   hour(s) between each event    Automatic Restore  Restore the entire hard drive to the latest System snapshot at every startup   Notification  Reboot the computer every time after the recovery   Display toaster message   Security  Password for entering UI, uninstallation	Create snapshot when any system file is changed
Create snapshot every 0,25 • hour(s) between each event  Automatic Restore  Restore the entire hard drive • to the latest System snapshot at every startup  Notification  Reboot the computer every time after the recovery  Display toaster message  Security  Password for entering UI, uninstallation	Create spapshot when install new program
Create snapshot every 0.25 hour(s) between each event   Automatic Restore   Restore the entire hard drive to the latest System snapshot at every startup   Notification   Reboot the computer every time after the recovery   Display toaster message   Security   Password for entering UI, uninstallation	
Automatic Restore         Restore the       entire hard drive <ul> <li>to the latest System snapshot at every startup</li> </ul> Notification       Image: Computer every time after the recovery         Reboot the computer every time after the recovery       Image: Computer every time after the recovery         Display toaster message       Security         Password for entering UI, uninstallation       Image: Computer every time after the recovery	Create snapshot every 0.25  hour(s) between each event
Restore the entire hard drive     Notification     Reboot the computer every time after the recovery   Display toaster message   Security   Password for entering UI, uninstallation	-Automatic Restore
Notification         Image: Reboot the computer every time after the recovery         Image: Display toaster message         Security         Image: Password for entering UI, uninstallation	Restore the entire hard drive   to the latest System snapshot at every startup
Reboot the computer every time after the recovery Display toaster message Security Password for entering UI, uninstallation	Notification
Display toaster message      Security      Password for entering UI, uninstallation	Reboot the computer every time after the recovery
Security Password for entering UI, uninstallation	☑ Display toaster message
Password for entering UI, uninstallation	Security
Password for entering UI, uninstallation	
	Password for entering UI, uninstallation
Save & Evit	Save & Exit

Virtual partition – Choose to check Enable RestoreIT functions, and use the Resize virtual partition feature to allocate more backup space to the secured partition.

## 1). Select Resize virtual partition.

2). Carefully read the popup warning message. Click **Yes** to continue, and **No** to cancel.

3). Allocate space from each partition listed for the Secure Zone. The allocated space for the Secure Zone cannot be larger than the available space.

4). Click Next to launch the process.



**Note** Changing Secure Zone will delete all your restoration points and restart your computer.

**Schedule Snapshot** – set snapshot automatically-taken intervals.

**Event-Driven Snapshot** - RestoreIT will create a snapshot automatically upon certain events. Such as a new program installation, or any system file is changed.

Automatic Restore - Check Restore the entire hard drive or system partition to the latest System Snapshot at every startup if needed. This feature is very useful for public computers, in a school or library for example.

**Notification** - Check display tray icon and toaster message if necessary.

**Security** - Choose to set password for uninstallation and entering UI.

Confirm your choice, and click **Save& Exit**.

# **Chapter 4: RestoreIT® Recovery Environment**

To launch the Recovery Environment, press the **Restore IT Recovery Environment** after the system POST (Power-On-Self-Test) before Windows<sup>®</sup> loads.

	er Creation time	туре	Description	
1	9/24/2013 16:21:29	Automatic	Snapshot del Sistema	

1. System Snapshots will be listed here. Types (automatical snapshot, scheduled snapshot or manual snapshot) of snapshots have distinctive cons. Select the one you want to restore, and click **Restore**.

2. Carefully read the popup note and click **Yes** to start the restoration.

A complete restore can take 20 seconds up to 10 minutes, depending on the number of files. Once the system has restarted, your SYSTEM will be restored from the chosen System Snapshot. All file modifications and additions made after System Snapshot date will be removed.

# **Chapter 5: Glossary**

## Secure Zone

RestoreIT<sup>®</sup> "Secure Zone" is a Secured partition that is created on the hard drive. This location is hidden, protected, and accessible only by RestoreIT<sup>®</sup>. The Secure Zone is used to store the system snapshots and the RestoreIT<sup>®</sup> Pre-OS environment. It will not be

affected by most computer disasters, so it ensures the protection of your data and allows high efficiency.

#### • System Snapshot

System Snapshots are incremental points-in-time of a computer system's state at a given moment. RestoreIT® monitors all sector-level changes from the last Snapshot and writes any changes to a new Snapshot. This backup usually takes only seconds to complete. Snapshots offer the quickest way to restore a damaged Windows system to a working state.

#### • System Partition

The system partition refers to the disk volume that contains the hardware-specific files that are needed to launch Windows (for example: Ntldr, Boot.ini, and Ntdetect.com). On dynamic disks, this is known as the system volume.

#### Boot Partition

The boot partition refers to the disk volume that contains the Windows operating system files (by default, in the WINDOWS folder) and its support files (by default in the WINDOWS\System32 folder). The boot partition can, but is not required, to be the same partition as the system partition. There will be one (and only one) system partition, but there will be one boot partition for each operating system in a multi-boot system. On dynamic disks, this is known as the boot volume.