

# WinClon 6 User Guide

Premium Edition

**A Windows Embedded Partner**



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# *Product Introduction*

# Product Overview

## ❖ Introduction of WinClon 6

- WinClon 6 is a system backup/restoration program which restores a backup status if the computer system or data has been destroyed. If you back up when the computer is stable, you can fast restore the backup status if the computer becomes unstable or unusable due to the virus infection or mistake of the user.

## ❖ Main Use of WinClon 6

- Production solution for companies which manufacture PCs, servers, etc.
- Maintenance solution for schools, Internet cafes, public offices, etc.

# Product Features

- ❖ **GPT/MBR Structure Support**
- ❖ **Easy and Simple Interface**
  - You can back up/restore with just one click.
- ❖ **Entire Backup/Restoration**
  - You can back up/restore an entire Windows partition.
- ❖ **Differential Backup**
  - You can back up changes only after entire backup has been performed.
- ❖ **Wizard Backup/Restoration**
  - Some partitions or the entire disk are backed up/restored.
- ❖ **Help Box**
  - Guides are provided on Recovery Zone installation, system backup/restoration, wizard backup/restoration.
- ❖ **Booting Media Creation**
  - You can make a DVD or USB memory the WinClon 6 booting media.
- ❖ **Scheduled backup/recovery**
  - Auto backup/restoration may be performed according to restoration cycle set by the user.



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# *Product Installation/Registration*

# System Requirements

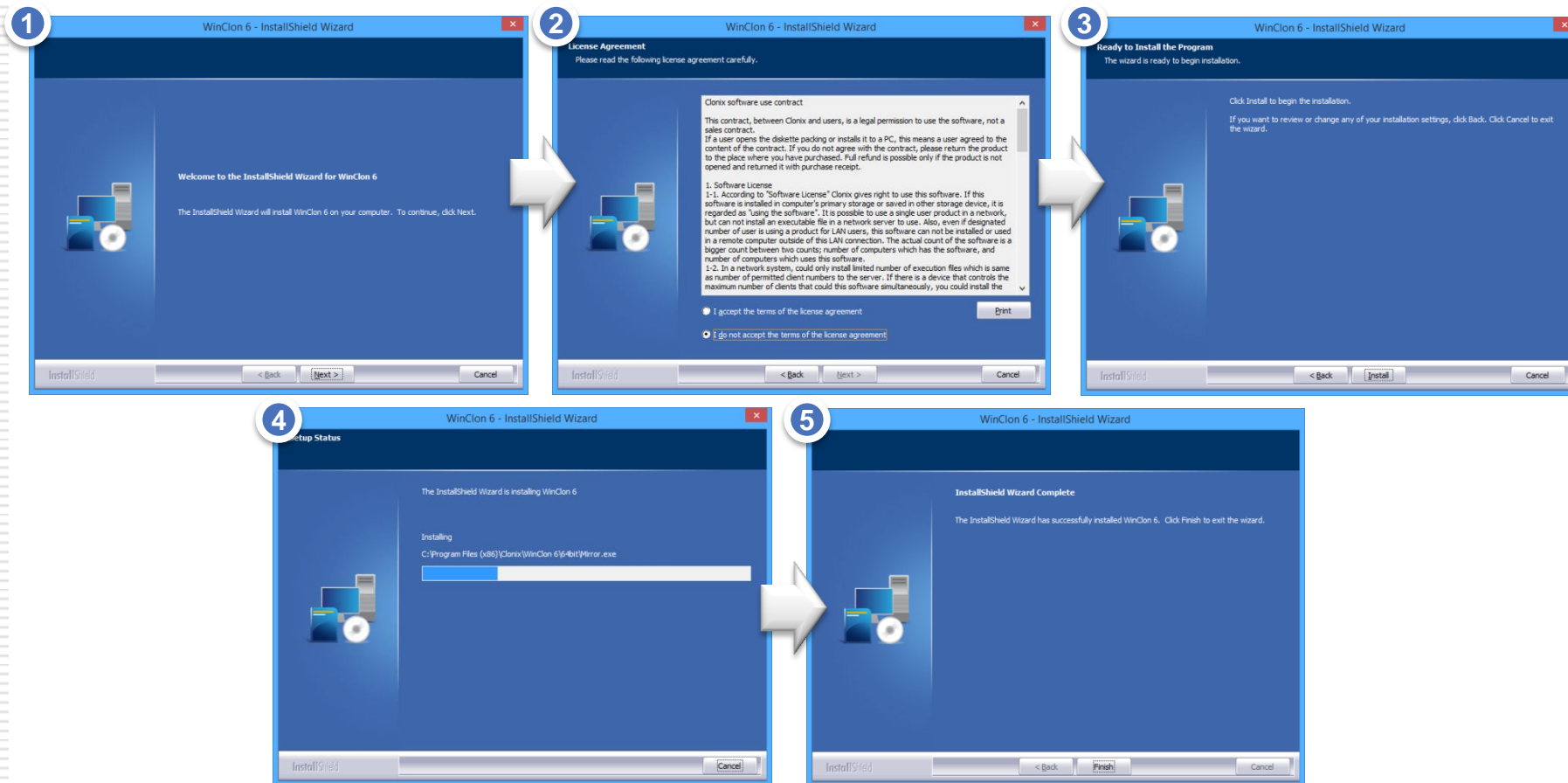
- ❖ Before applying WinClon to the system, please check the following for smooth operation.

<b>Supported OS</b>	Windows XP SP3 (32bit) Windows Vista (32bit/64bit) Windows 7 (32bit/64bit) Windows 8 (32bit/64bit) Windows 8.1 (32bit/64bit) Windows 10 (32bit/64bit) of Clean install of Windows 10 and Clean install of Windows 10 after free upgrade
<b>Supported Languages</b>	Korean, English
<b>Supported Partition Types</b>	GPT, MBR
<b>Supported File Systems</b>	NTFS, FAT16, FAT32
<b>Recovery Zone</b>	Capacity needed to create Recovery Zone - At least: 2GB (Initial image backup to Recovery Zone is not allowed when Recovery Zone is installed with the min. capacity) - Recommended to have the same utilization as the Windows drive's or a larger one's  ※ Drive where Recovery Zone is installed is hidden and unavailable to use for other purposes.



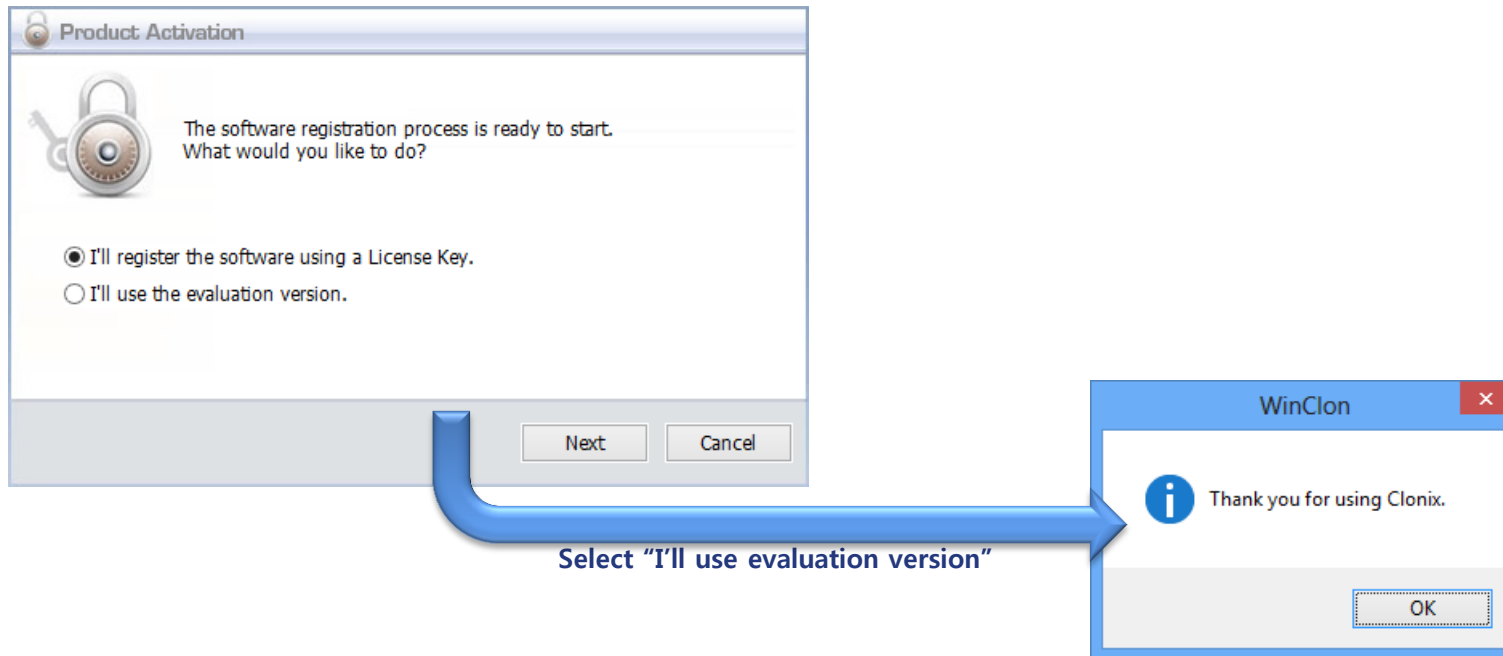
# Installation

- ❖ The installation is performed over InstallShield, and you can see the application over Start Menu if you agree with EULA.



# Use as Evaluation

- ❖ If you'd like to evaluate the software, you can use the application without activation for 30 days on your test system.



Select "I'll use evaluation version"

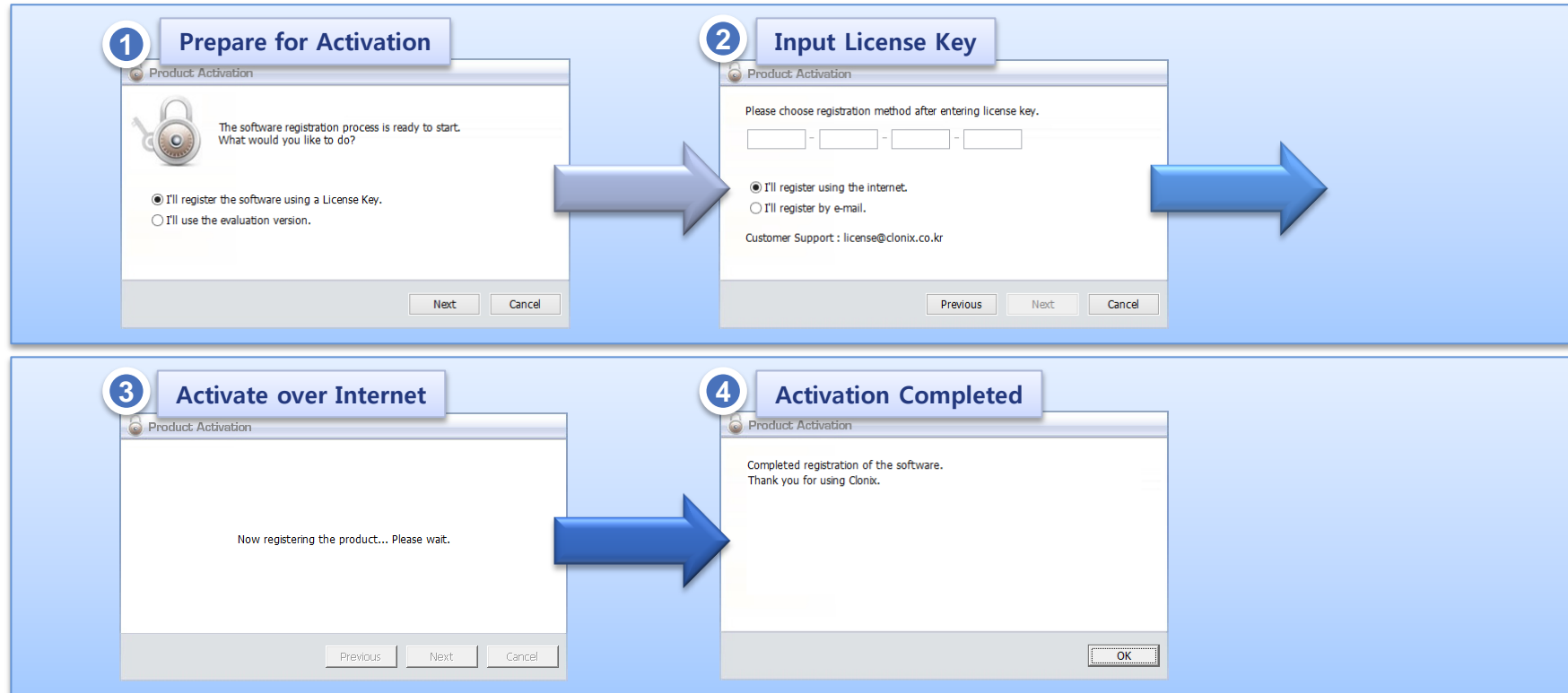


## Notes

- **When using this evaluation**
  - A user can have unrestricted access to all features of WinClon for 30 days. But authentication screen pops out when running the product and using its Wizard function
  - 30 days later, the entire functions of WinClon including backup/restoration stop servicing.

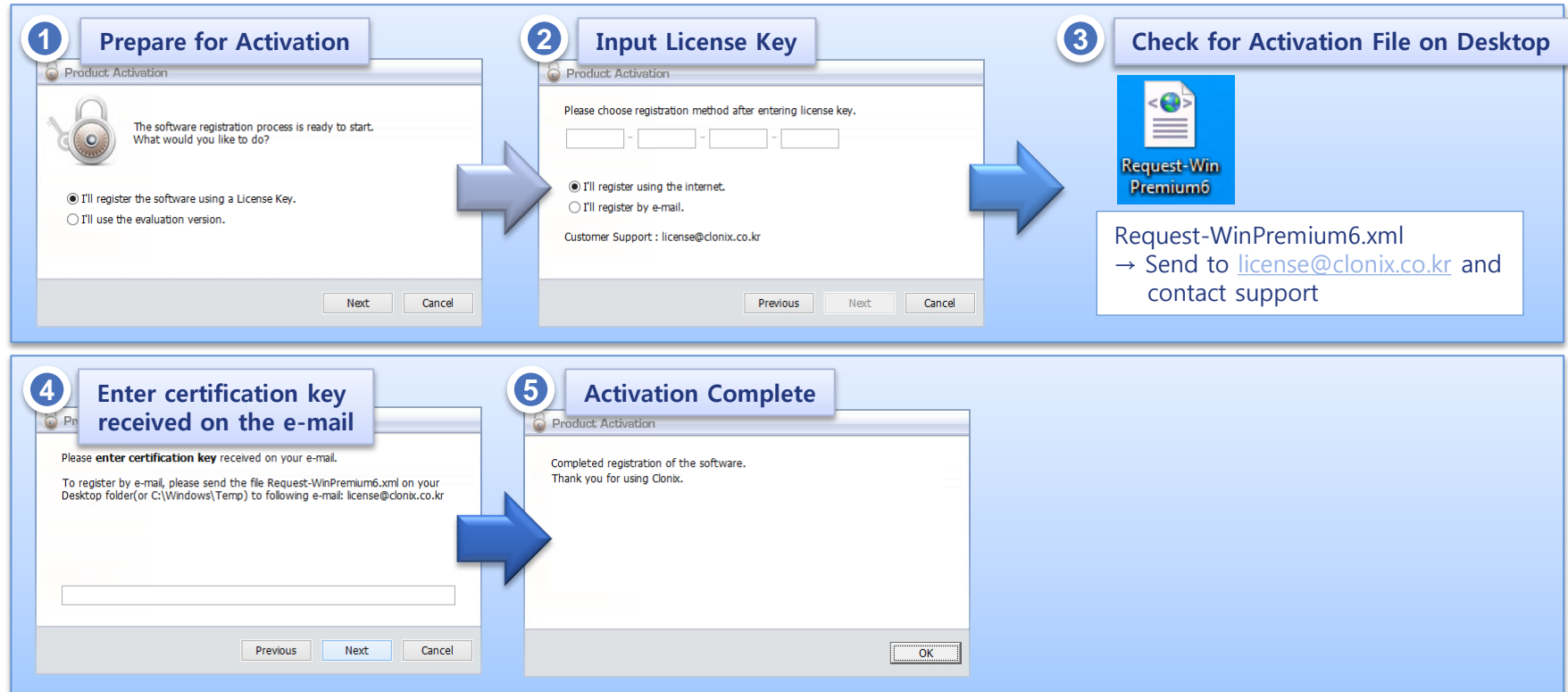
# Activate on Internet

- ❖ If the system is connected to the Internet, you can activate your copy over Internet



# Activate on E-mail

- ❖ When the system is not connected to the Internet, you can activate your copy using e-mail.





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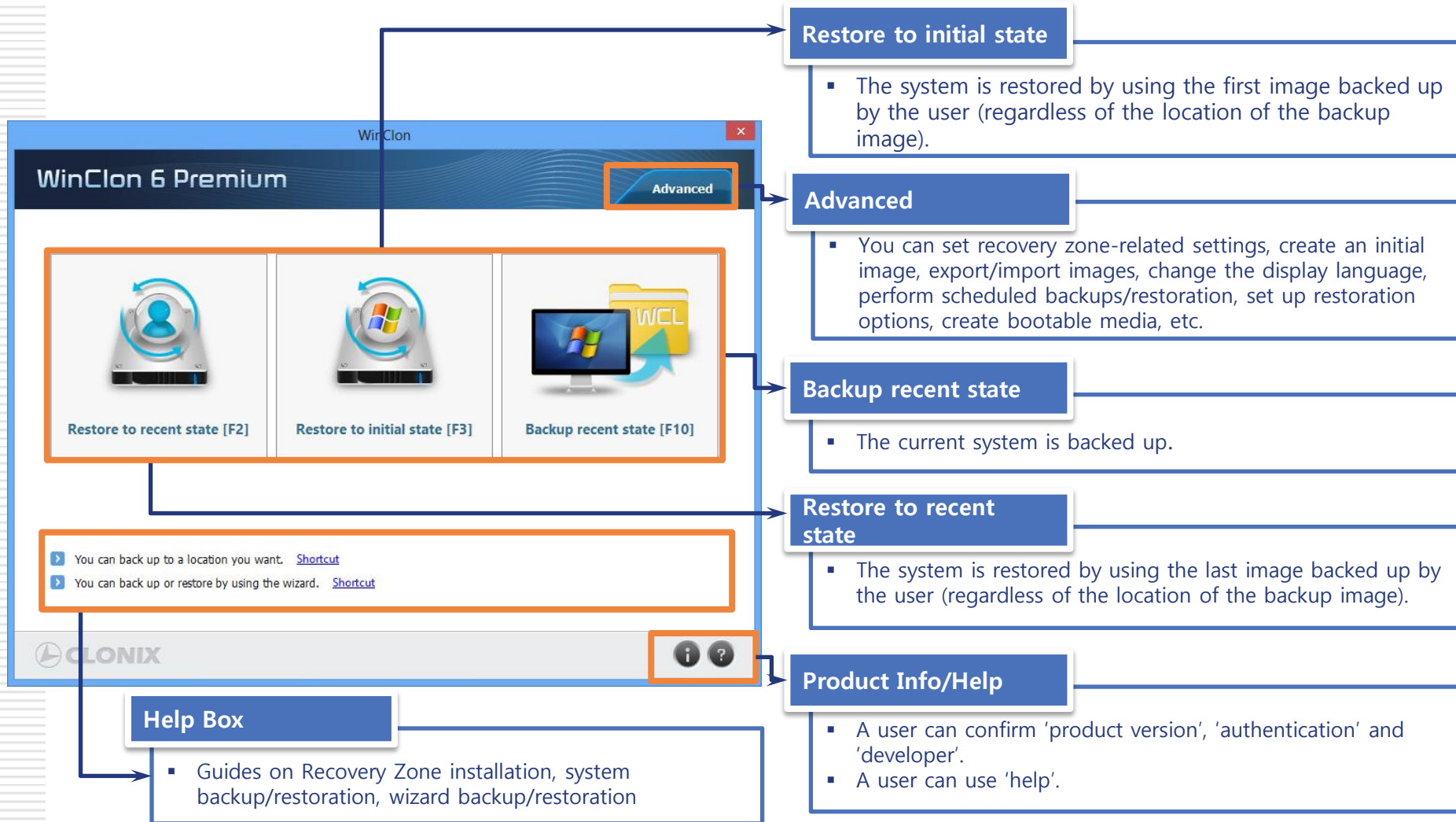
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solution provider



# *Basic Use*

# Basic Menu Layout

❖ Functions of each WinClon menu are as follows.



# Basic Menu Layout

- ❖ Functions of each WinClon menu are as follows.
- ❖ The screen below is shown in running Wizard Backup/Restoration Guide in Help Box.



## Backup with Wizard

- The current state of some partitions or the entire disk are saved in a backup image file.

## Restoring with Wizard

- Only a partition is restored or the entire disk is restored.



## Notes

Wizard Backup/Restoration Guide appears in Help Box for the following cases.

- No existence of Recovery Zone
- No existence of backup image



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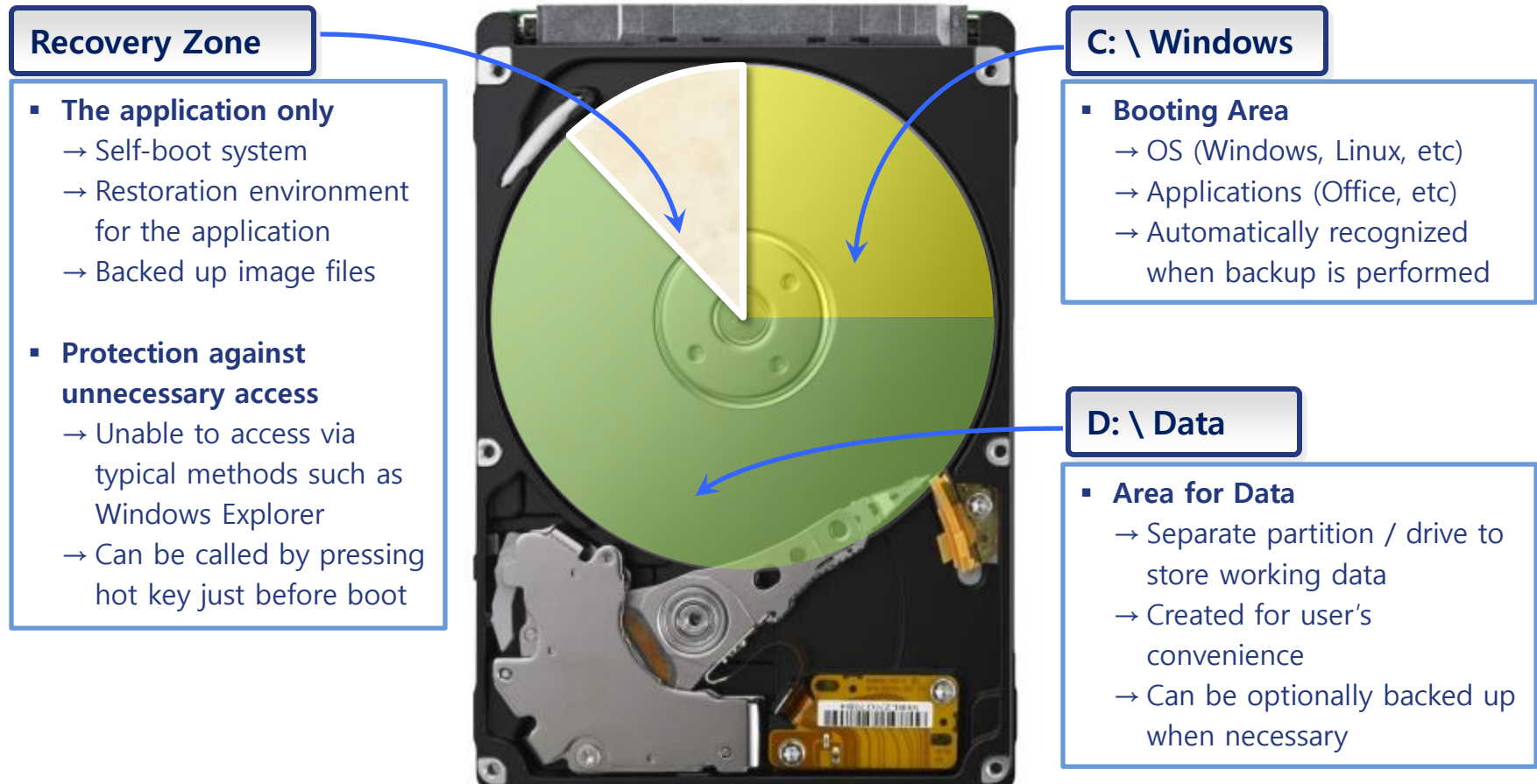


# *Recovery Zone*



# Introduction of the Zone

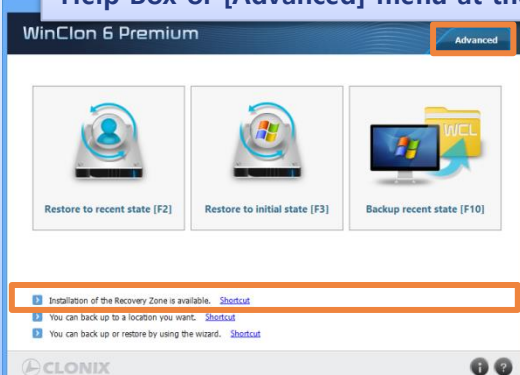
- ❖ Created on internal HDD of user's PC, it restricts conventional access to protect restoration environment and backup data.



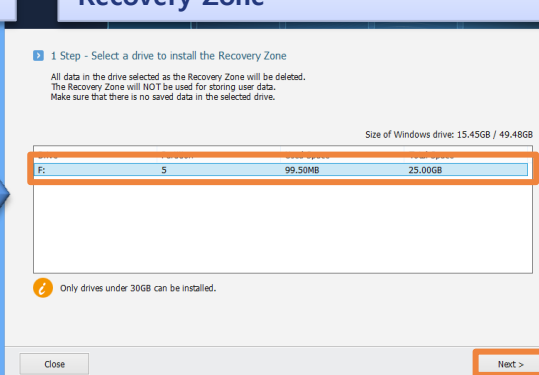
# Installing Recovery Zone

- ❖ If there is a data partition on booting disk, the partition would be set as Recovery Zone in order to back up and restore the system.

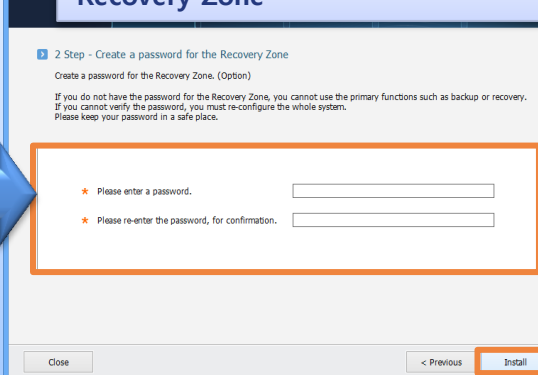
**1 Run WinClon and select [Shortcut] in Help Box or [Advanced] menu at the top**



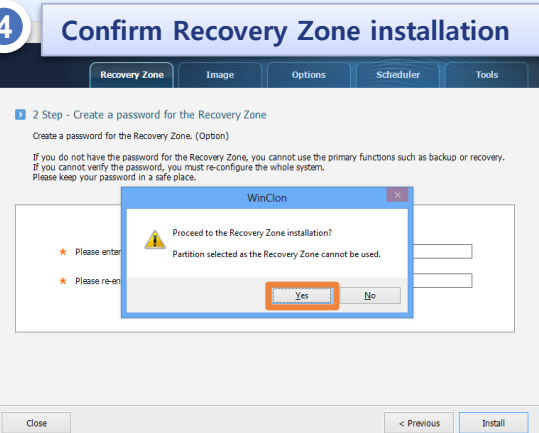
**2 Select a partition to be used as Recovery Zone**



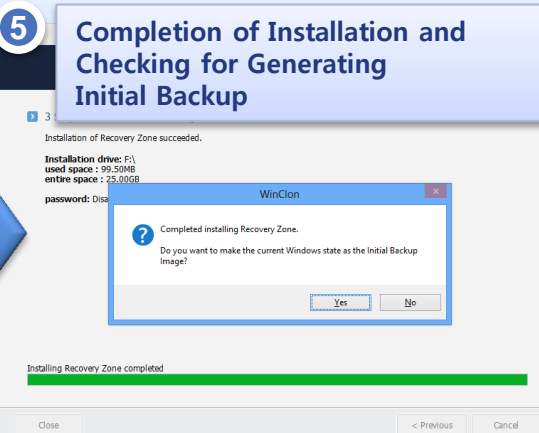
**3 Set password for accessing Recovery Zone**




**4 Confirm Recovery Zone installation**



**5 Completion of Installation and Checking for Generating Initial Backup**



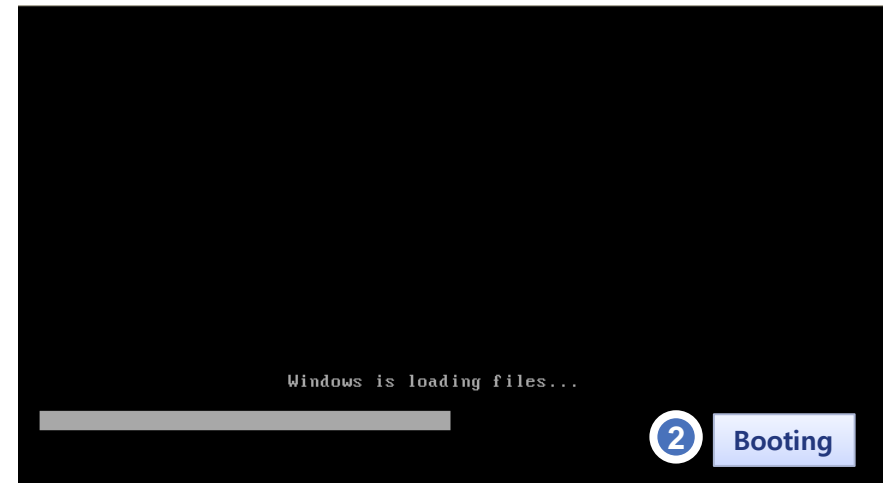
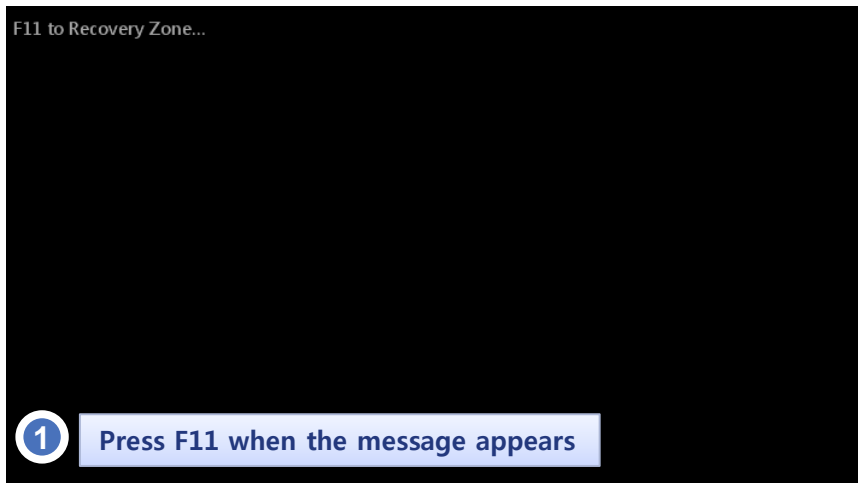


**Notes**

- When Secure Boot option is turned on a PC with UEFI, the option for Secure Boot should be OFF to have access to the Recovery Zone you set

# Summoning the Zone

❖ Press F11 on boot to summon Recovery Zone.





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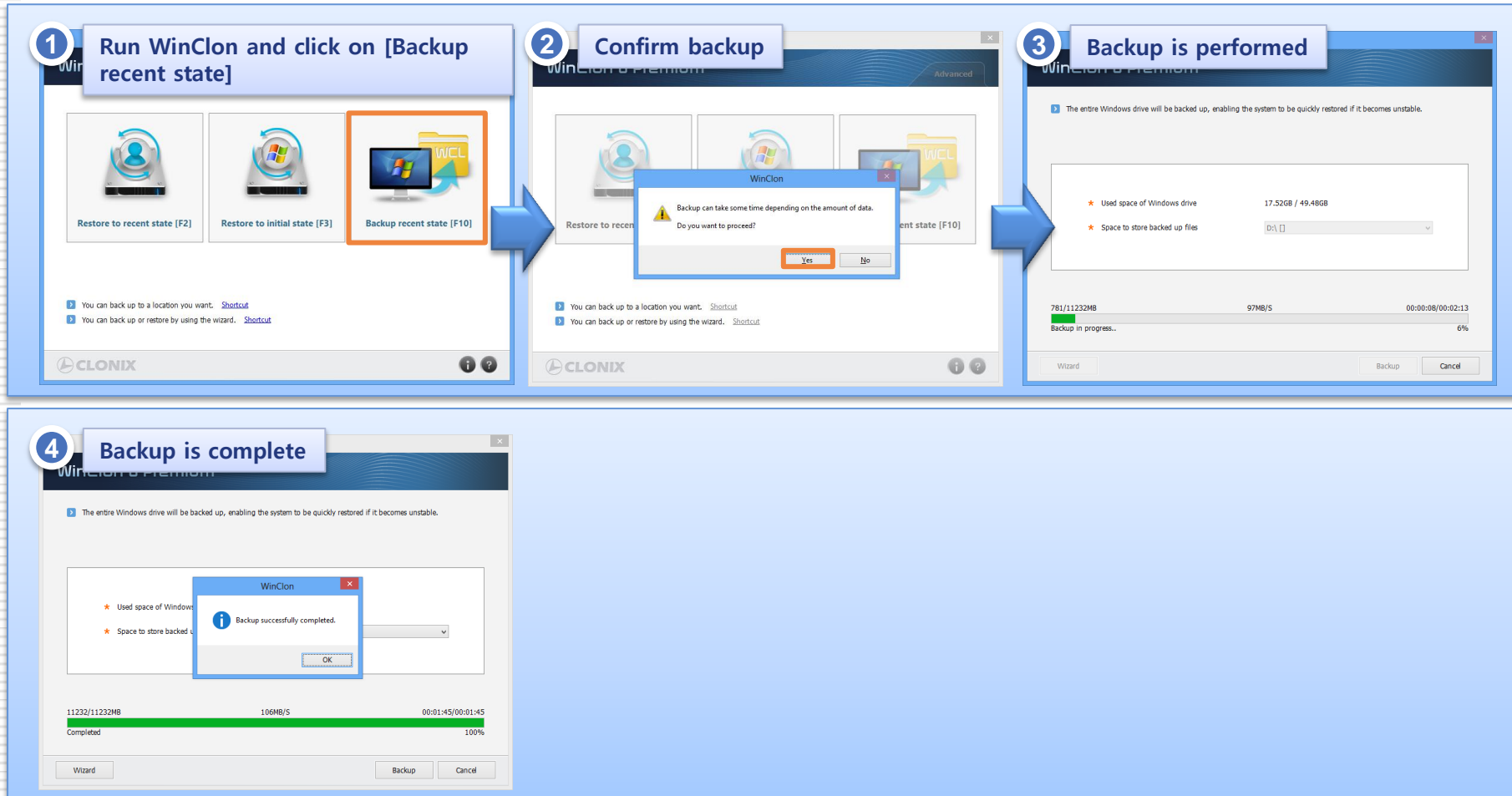
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# *System Backup*

# General Backup

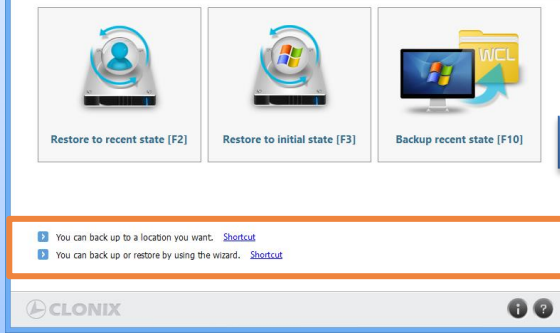
- ❖ A drive with the largest free space is automatically searched and backup is performed to it.



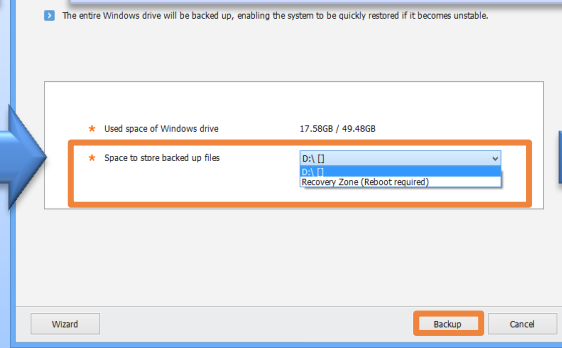
# Backing up to Desired Location

## Help Box : Backing Up to Recovery Zone/Another Drive

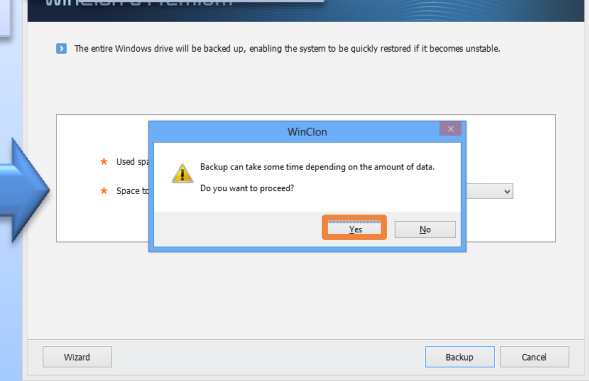
1 Select Backup [Shortcut] menu in Help Box at the bottom of the screen



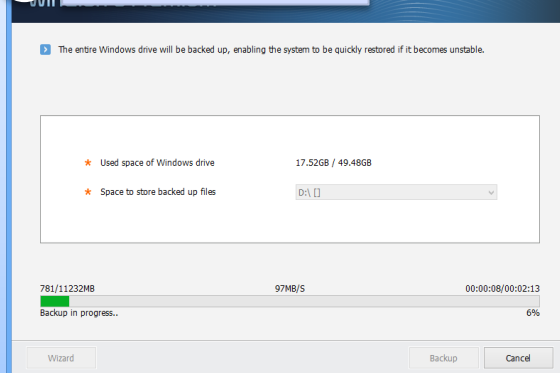
2 Select a drive to save the backup file and click on [Backup] button



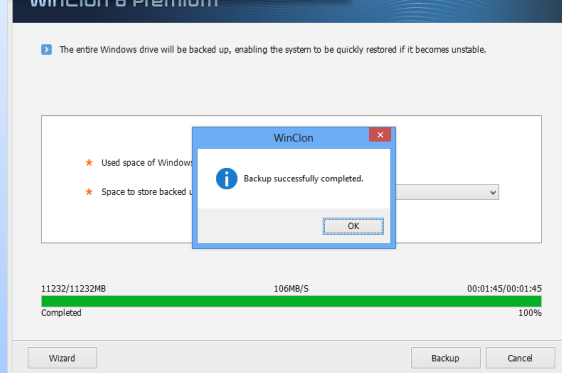
3 Confirm backup



4 Backup is performed



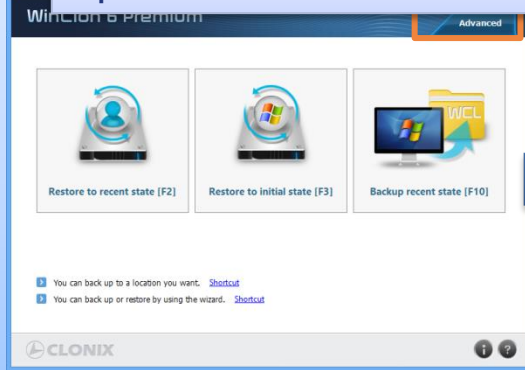
5 Backup is complete



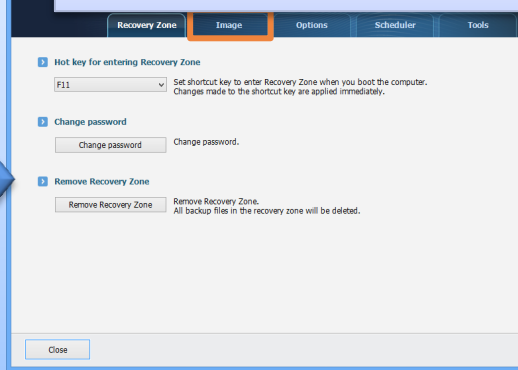
# Backing up to Desired Location

## Advanced : Backing Up to Recovery Zone

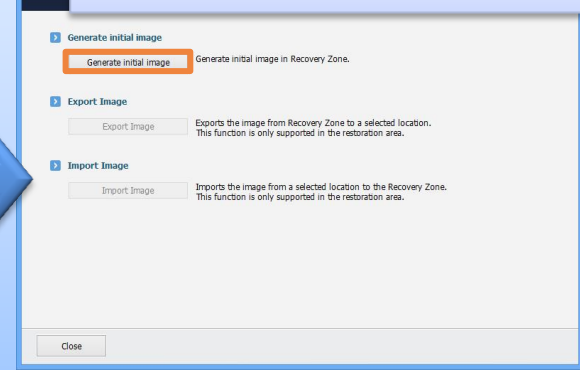
- 1 Select [Advanced] menu at the right top of the screen



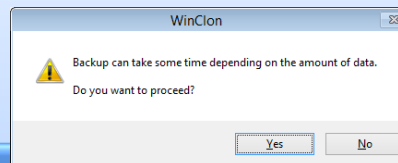
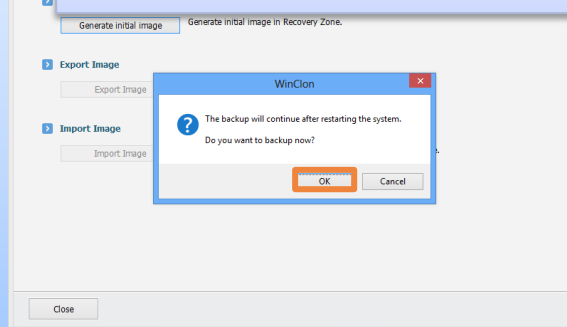
- 2 Select [Image] menu at the right top of the screen



- 3 Click on [Generate initial image] button



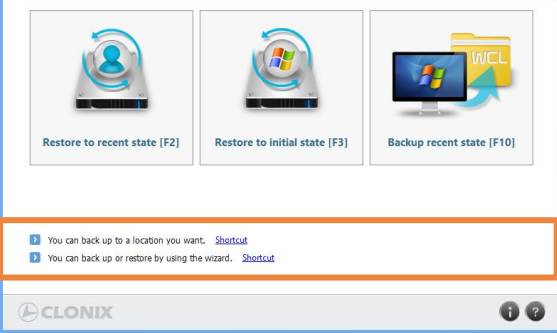
- 4 If you click on [OK] button in Confirm Reboot window, the system reboots in restoration mode



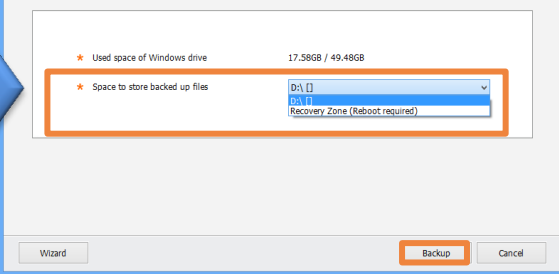
# Differential Backup

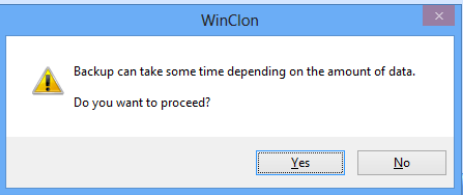
- ❖ If you back up after entire backup, only the change is backed up (provided that the drive is backed up in which the entire backup image exists).

**1** Select Backup [Shortcut] menu in Help Box at the bottom of the screen



**2** Select the drive where the entire backup file has been saved previously and click on [Backup] button







## Notes

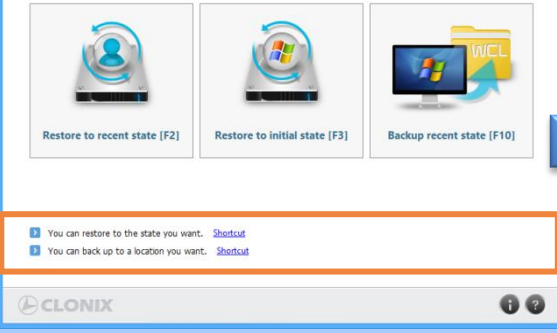
- When a differential backup is in progress, the displayed capacity may differ from the actual backup capacity.
- Checking differential backup file
  - Select Restoration [Shortcut] menu in Help Box -> Check the "Differential" image in types of the restoration list



# Backup with Wizard

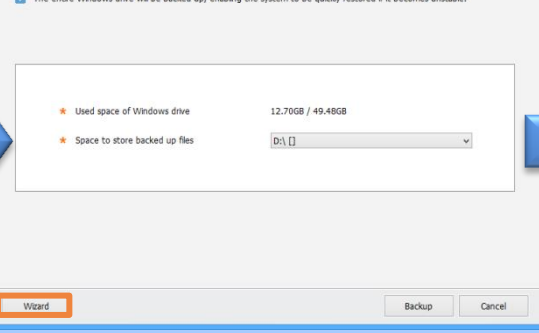
- ❖ The current state of some partitions or the entire disk are saved in a backup image file.

**1** Select Backup [Shortcut] menu in Help Box at the bottom of the screen



1 You can restore to the state you want. [Shortcut](#)  
2 You can back up to a location you want. [Shortcut](#)

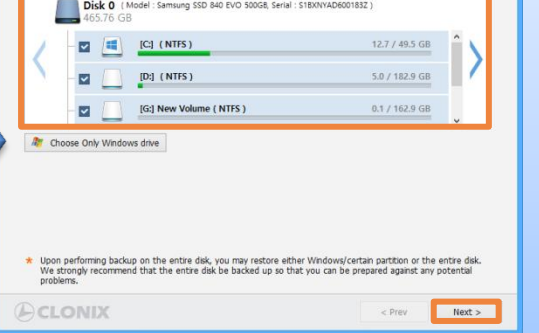
**2** Click on [Wizard] button at the left bottom of the screen



The entire Windows drive will be backed up, enabling the system to be quickly restored if it becomes unstable.

Used space of Windows drive: 12.70GB / 49.48GB  
Space to store backed up files: D:\ [v]


**3** Select a disk or partition and click on [Next] button



Choose Only Windows drive

Upon performing backup on the entire disk, you may restore either Windows/certain partition or the entire disk. We strongly recommend that the entire disk be backed up so that you can be prepared against any potential problems.

**4** Select a storage location and backup file name and click on [Backup] button



Choose save location: G:\WinClonBackup\

Choose backup file name: Options: ☒ Date ☒ PC Model ☒ Operating System ☐ Direct input  
20160316-145724\_Satellite L850\_Windows8.1.wcl

Warning! Backup file and its folder name have to be alphabet letter and number.  
Password setting

**WinClon**

Do you want to back up?

OK Cancel

## Notes

- If only the same partition is backed up in the location where the existing partition backup image exists, differential backup will be performed.
- If you set password by using [Password Setting] in Wizard Backup, you need to enter the password to run restoration.



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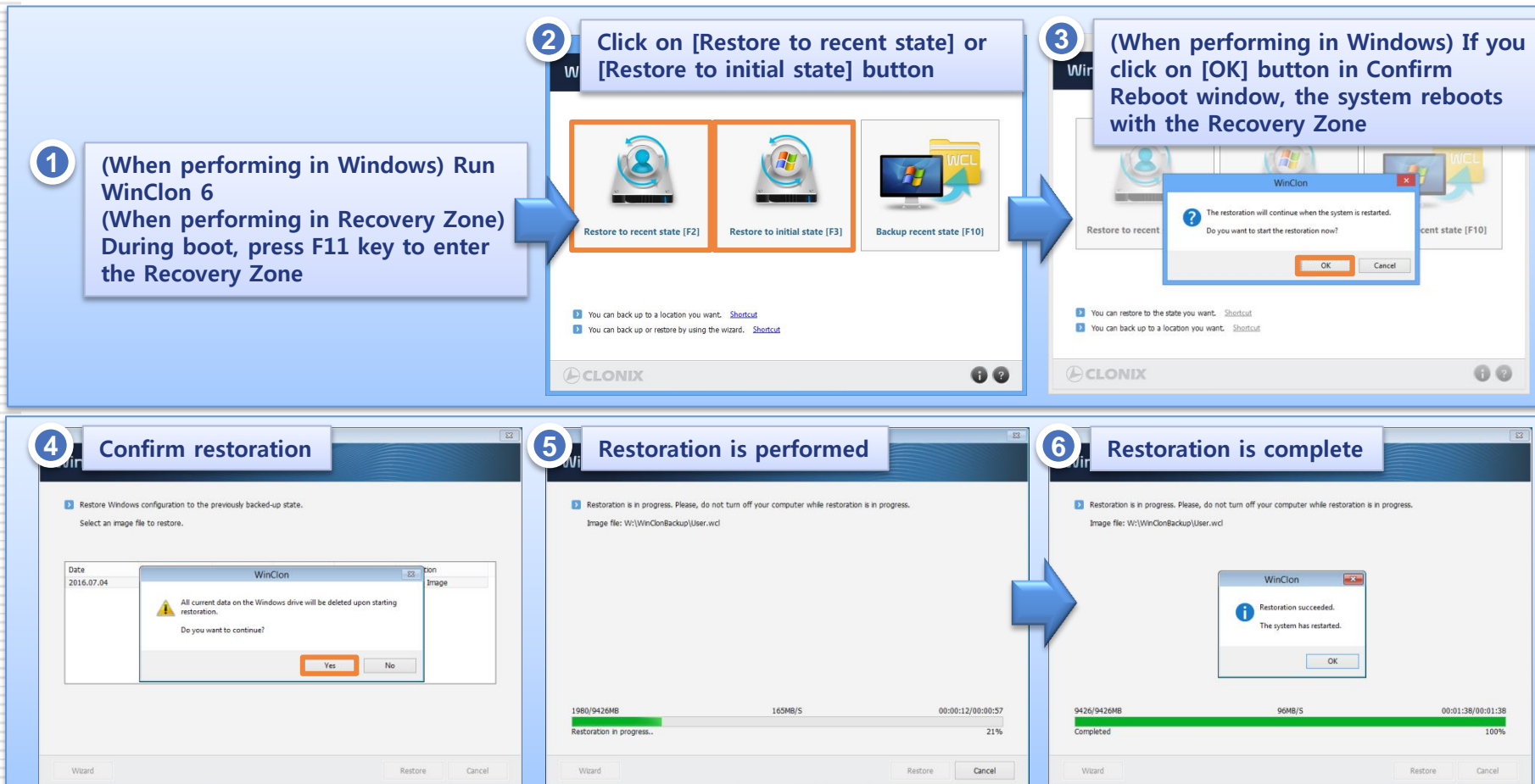
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# *System Restoration*

# General Restoration

- ❖ Restore to initial state: The first image backed up by the user is restored.
- ❖ Restore to recent state: The last image backed up by the user is restored.

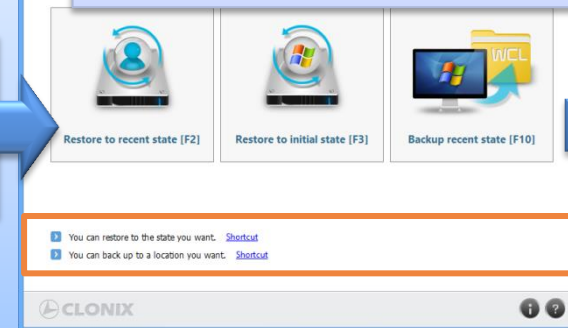


# Restoring with Desired Image

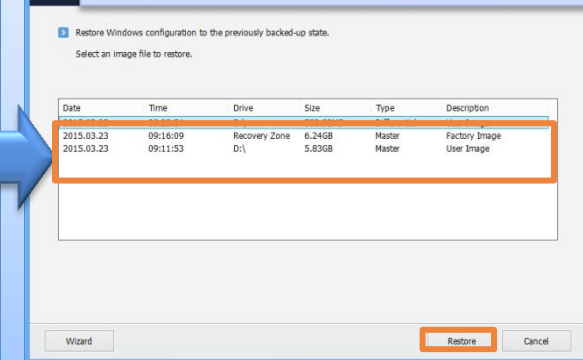
- ❖ The user can restore a desired image.
- ❖ Restoration Image Type: Master-Entire backup image, Differential-Differential backup image

**1** (When performing in Windows) Run WinClon 6  
(When performing in Recovery Zone) During boot, press F11 key to enter the Recovery Zone

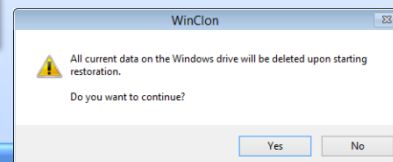
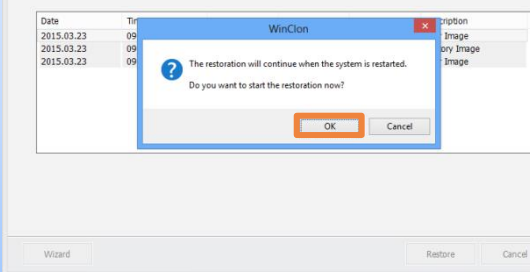
**2** Select Restoration [Shortcut] menu in Help Box at the bottom of the screen



**3** Select a file to restore and click on [Restore] button



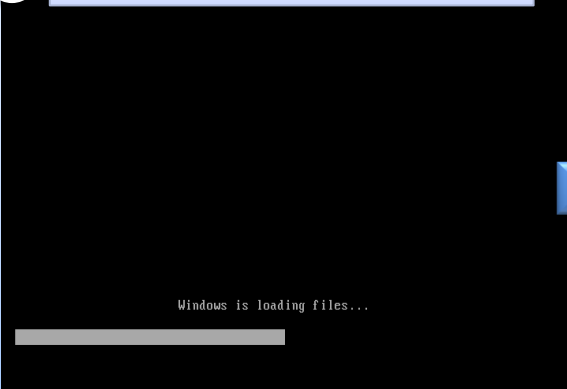
**4** (When performing in Windows) If you click on [OK] button in Confirm Reboot window, the system reboots with the Recovery Zone



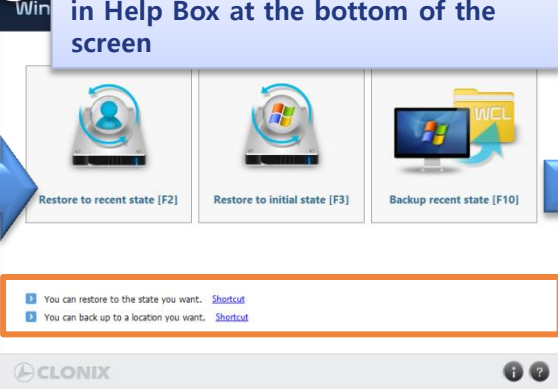
# Restoring with Wizard

- ❖ Only a partition is restored or the entire disk is restored.

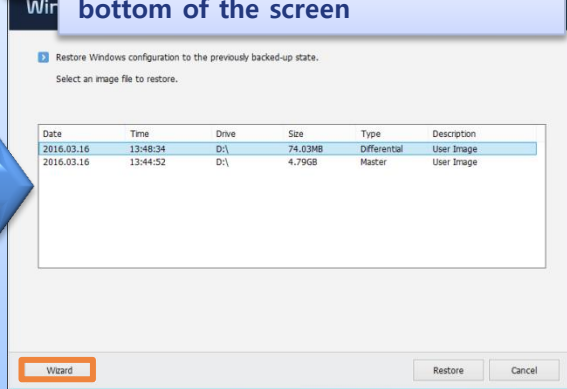
**1 Reboot with the booting media**



**2 Select Restoration [Shortcut] menu in Help Box at the bottom of the screen**

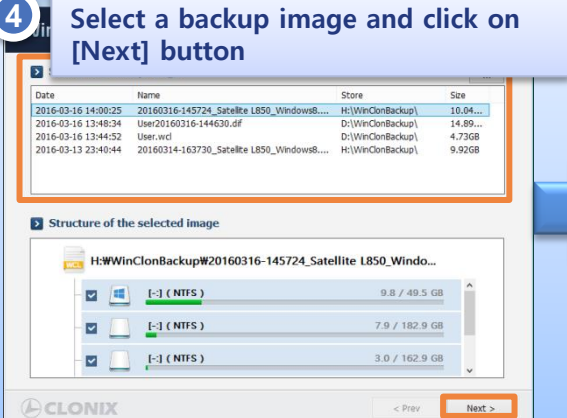


**3 Click on [Wizard] button at the left bottom of the screen**



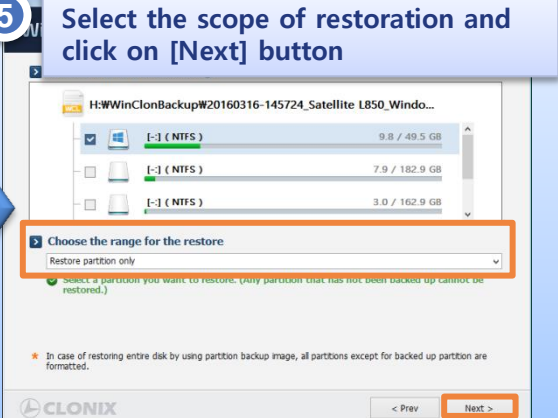
Date	Time	Drive	Size	Type	Description
2016.03.16	13:48:34	D:\	74.03MB	Differential	User Image
2016.03.16	13:44:52	D:\	4.79GB	Master	User Image

**4 Select a backup image and click on [Next] button**



Date	Name	Store	Size
2016-03-16 14:00:25	20160316-145724_Satellite L850_Windows8...	H:\WinClonBackup\	10.04...
2016-03-16 13:48:34	User20160316-144630.dif	D:\WinClonBackup\	14.89...
2016-03-16 13:44:52	User.wcd	D:\WinClonBackup\	4.73GB
2016-03-13 23:40:44	20160314-163730_Satellite L850_Windows8...	H:\WinClonBackup\	9.92GB

**5 Select the scope of restoration and click on [Next] button**



Choose the range for the restore

Restore partition only

Select a partition you want to restore. (only partition that has not been backed up cannot be restored.)

In case of restoring entire disk by using partition backup image, all partitions except for backed up partition are formatted.

**Choose the range of restore**

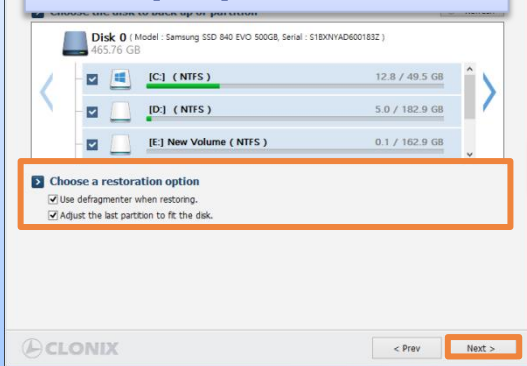
- Restore partition only: Select one partition only and restore
- Restore entire disk: Restore the entire hard disk

(If 'Restore entire disk' is performed after backing up some partitions only, the rest of partitions will be formatted.)

# Restoring with Wizard

- ❖ Only a partition is restored or the entire disk is restored.

## 6 Select restoration options and click on [Next] button



### Choose restoration option

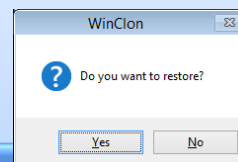
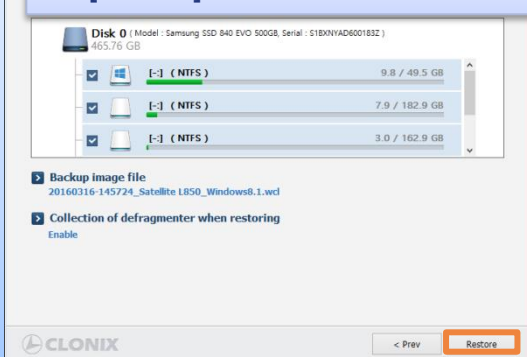
- Use defragmenter when restoring: Disk defragmentation is automatically performed during restoration
- Adjust the last partition to fit the Disk: If the restoration disk is larger than the backup disk, the size of the last partition increases as much as the difference



### Notes

- For a image backed up by common backup, backup for desired location or deferential backup, it is recommended to restore it by common restoration or for wanted image.
- In case that password was set for Wizard Backup, you need to enter the password for restoration.

## 7 Check the restoration detail and click on [Restore] button





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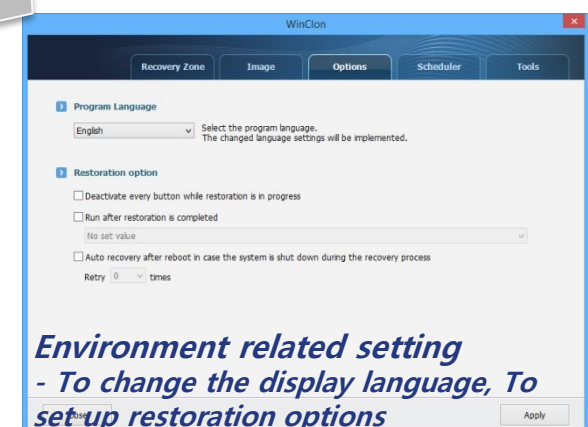
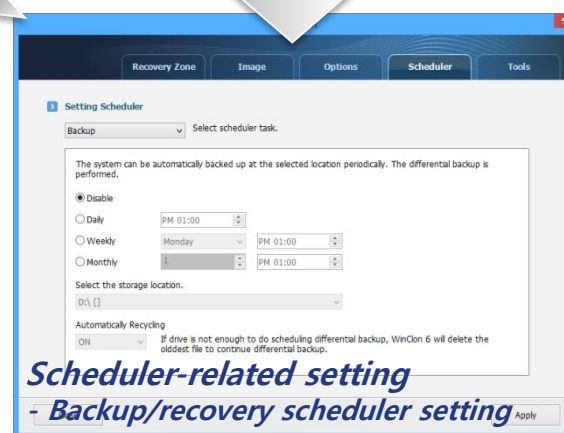
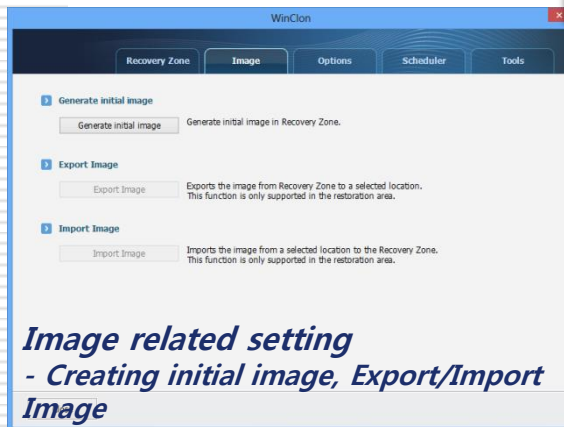
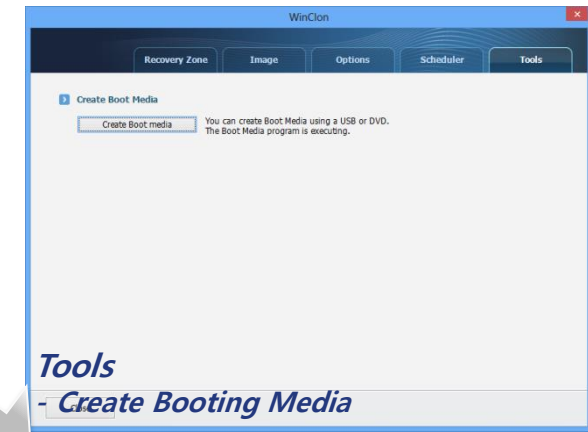
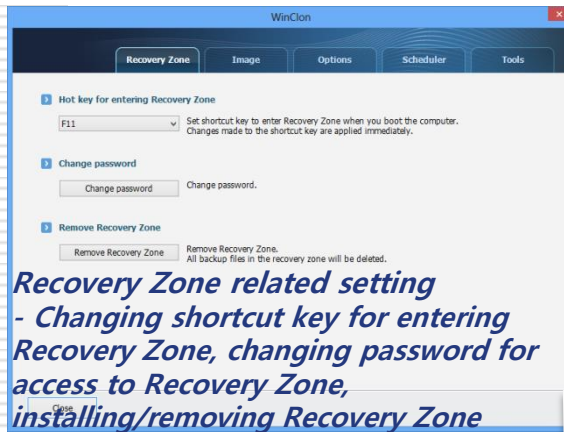


# *Advanced Functions*



# Setting Advanced Functions

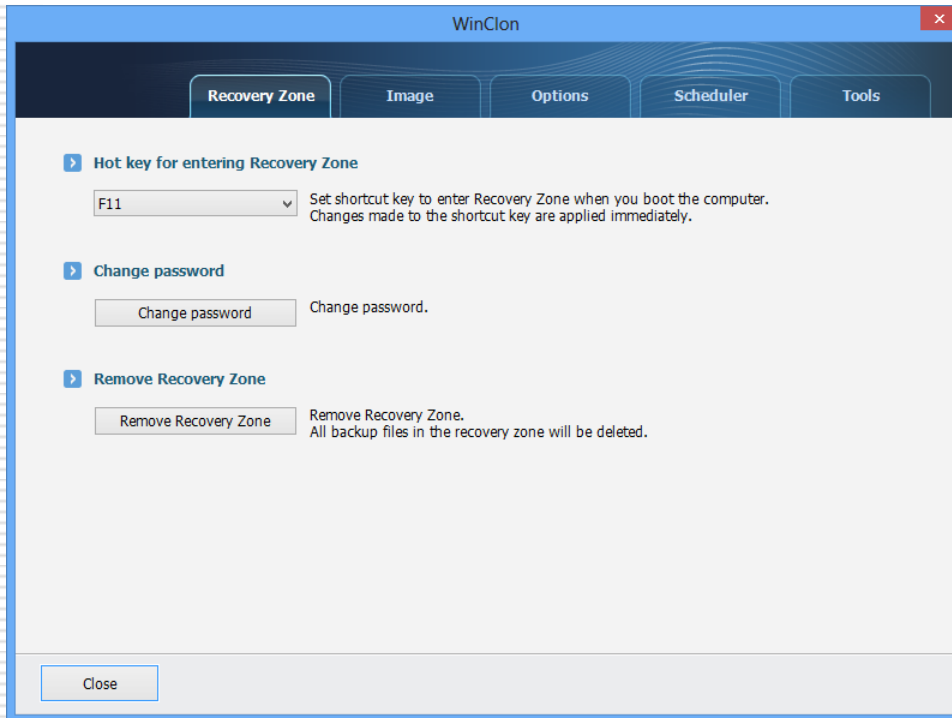
- ❖ You can set recovery zone-related settings, create an initial image, export/import images, change the display language, perform scheduled backups/restoration, set up restoration options, create bootable media, etc.





# Setting Advanced Functions

- ❖ In the Recovery Zone menu, you can delete Recovery Zone, change the shortcut key for access to Recovery Zone and set password.



## Hot key for entering Recovery Zone

- It changes shortcut key for access to restoration domain.
- You can choose a key from F1 to F12.

## Change Password

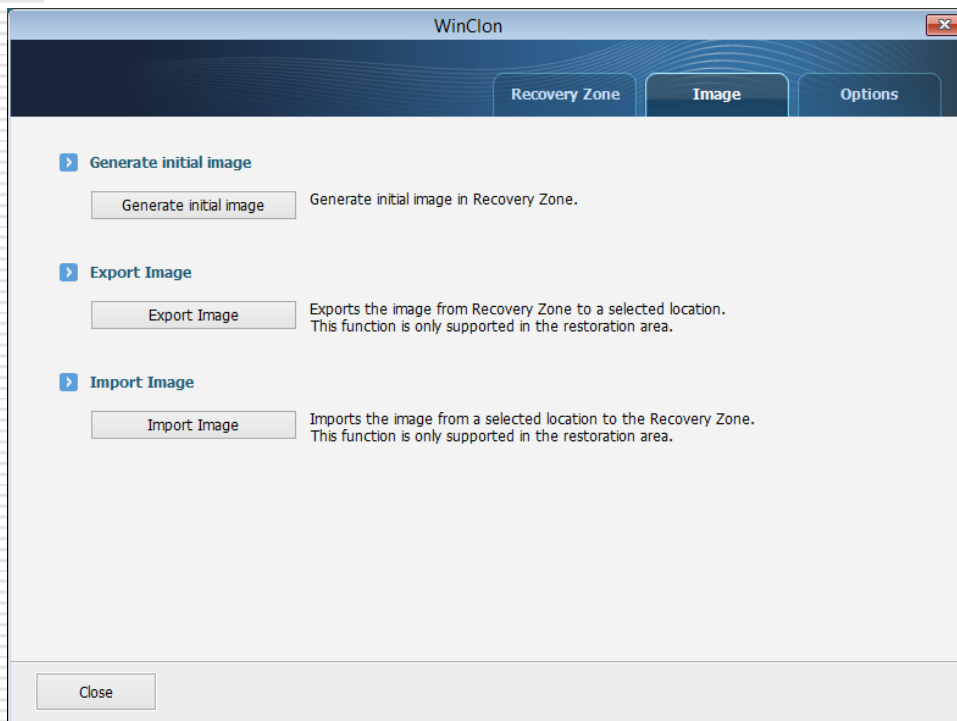
- When setting password, you need password for system backup/restoration, wizard backup/restoration, Recovery Zone deletion.
- When changing password, you should click and enter previous password and new password and confirm new password.
- When setting Recovery Zone or in case you haven't changed password before, leave the entry column of "Password Change Window" blank and enter only new password and confirm new password to register new password.

## Remove Recovery Zone

- It deletes Recovery Zone.

# Setting Advanced Functions

- ❖ In the Image menu, you can create initial image, export/import image.



## Generate initial image

- It saves initial backup image in Recovery Zone.
- For more information, please refer to [System Backup > Backing up to Desired Location](#) of this guidebook.

## Export Image

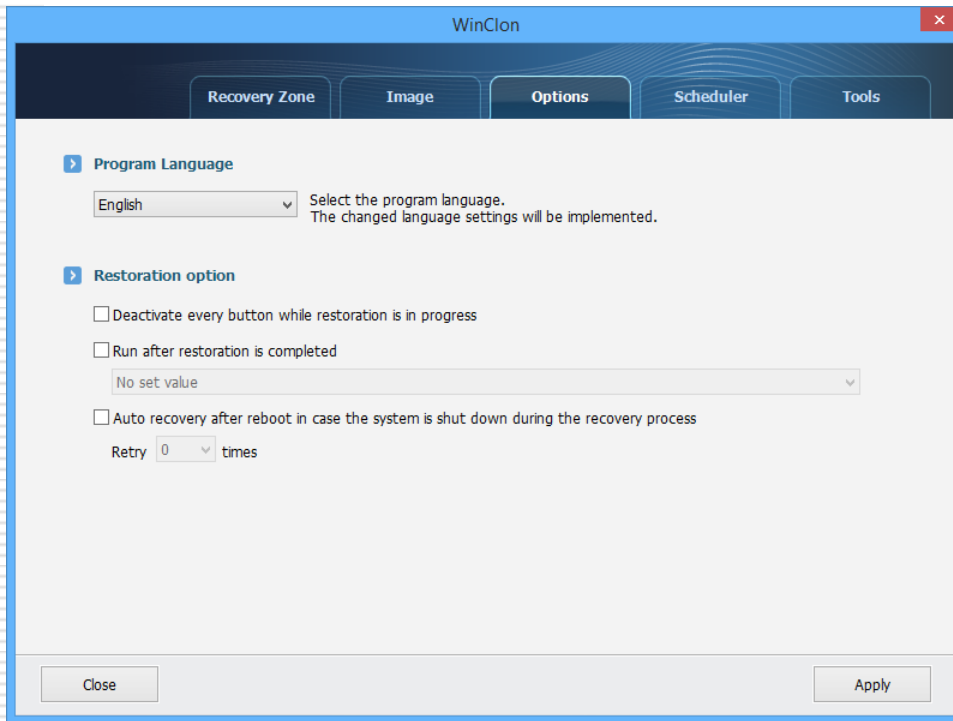
- Exports the image(user.wcl) from Recovery Zone to a selected location.
- This function is available for Recovery Zone only.

## Import Image

- Imports the image(user.wcl) from a selected location to Recovery Zone.
- This function is available for Recovery Zone only.

# Setting Advanced Functions

- ❖ In the Options menu, you can change the display language and set up restoration options.



## Program Language

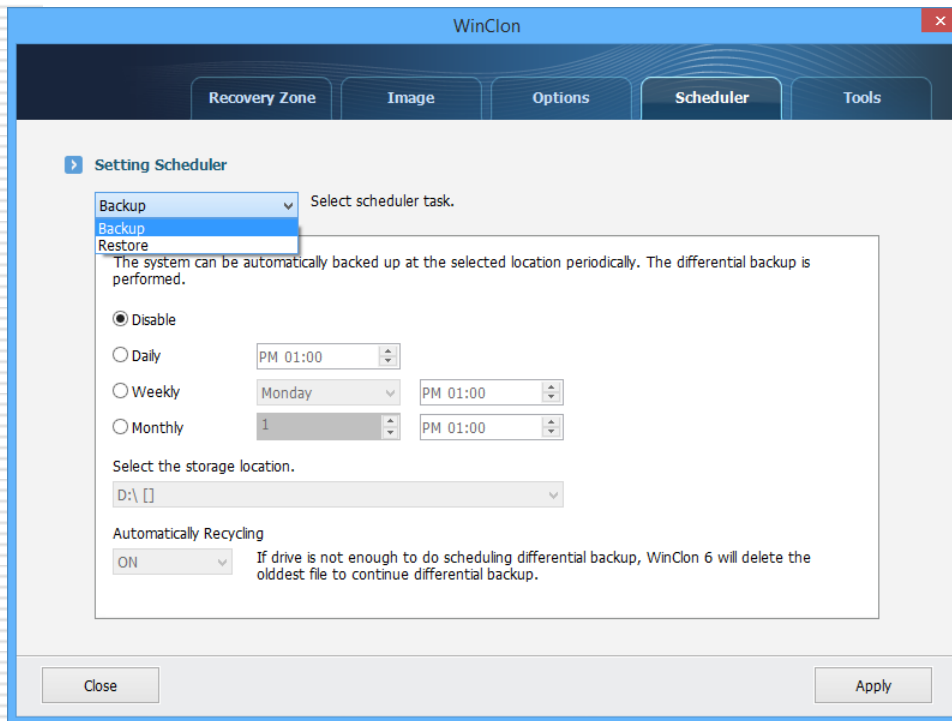
- It can set language to display the program with.
- You can choose either Korean or English.

## Restoration option

- Setting up options to be applied when restoration is processing/failed/complete.
- Deactivate every button while restoration is in progress: Deactivates every button to block cancellations when restoration is in progress.
- Run after restoration is completed: Shuts down or restarts the system after restoration is complete.
- Auto recovery after reboot in case the system is shut down during the recovery process: If restoration is stopped by a forced system shut down, the system automatically enters the Recovery Zone and starts restoration when the power is on.  
The number of automatic retrying can be set from 0 to 5.

# Setting Advanced Functions

- ❖ In the Scheduler menu, you can set up backup/restoration schedules.



## Setting backup scheduler

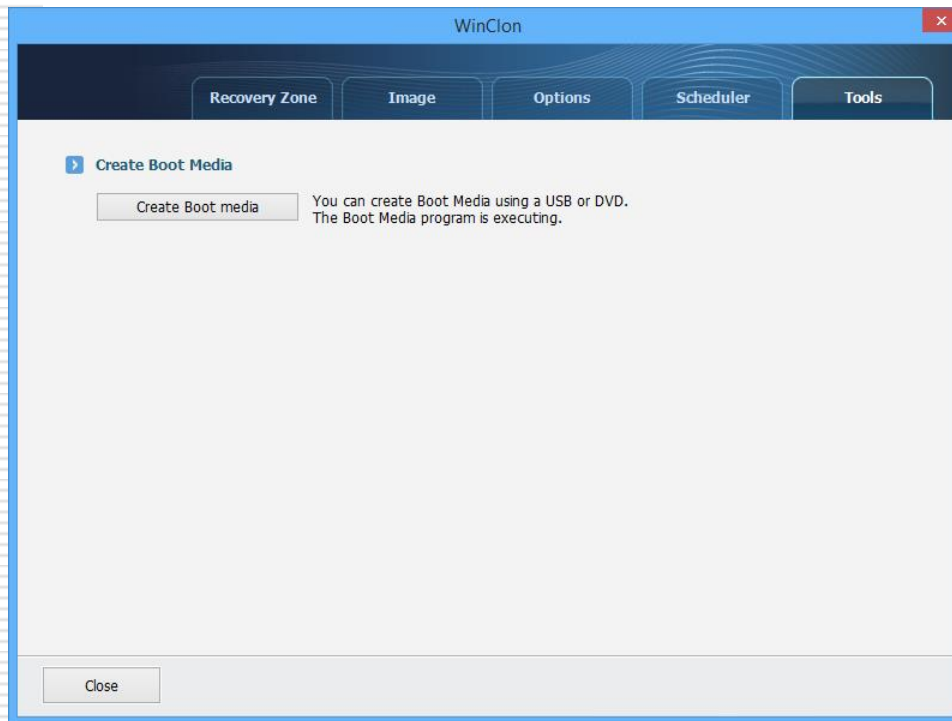
- Auto backup may be according to the backup cycle set by the user.
- Scheduled backup will be saved in one of data partitions, set by user.
- Full backup is performed for initially scheduled backup, and differential backup is performed afterward.
- This function is available for Windows only.
- For more information, please refer to [Advanced Functions > Backing up by Schedule](#) of this guidebook.

## Setting Restoration Scheduler

- Auto restoration may be performed according to the restoration cycle set by the user.
- The latest image among the backed up images in the Recovery Zone will be restored.
- This function is available only if there is an backup image retrieved in installing Recovery Zone and Recovery Zone.
- This function is available for Windows only.
- For more information, please refer to [Advanced Functions > Restoring by Schedule](#) of this guidebook.

# Setting Advanced Functions

- ❖ In the Tools menu, you can create bootable media.

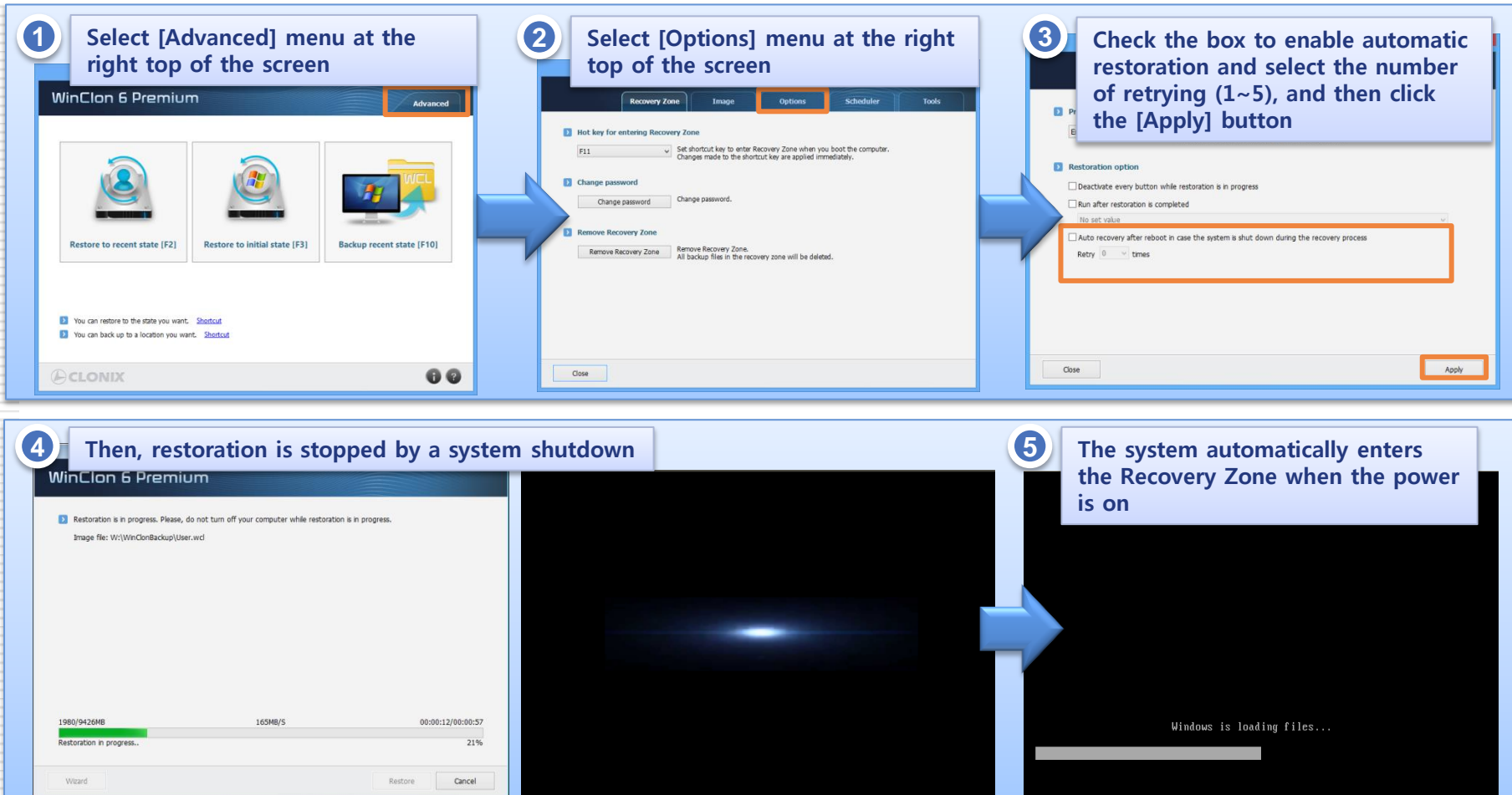


## Create Boot media

- You can make WinClon booting media in readiness against the case that you use this system without installing restoration domain or disk is completed lost.
- This function is available for Windows only.
- For more information, please refer to [Advanced Functions > Creating a Boot Media](#) of this guidebook.

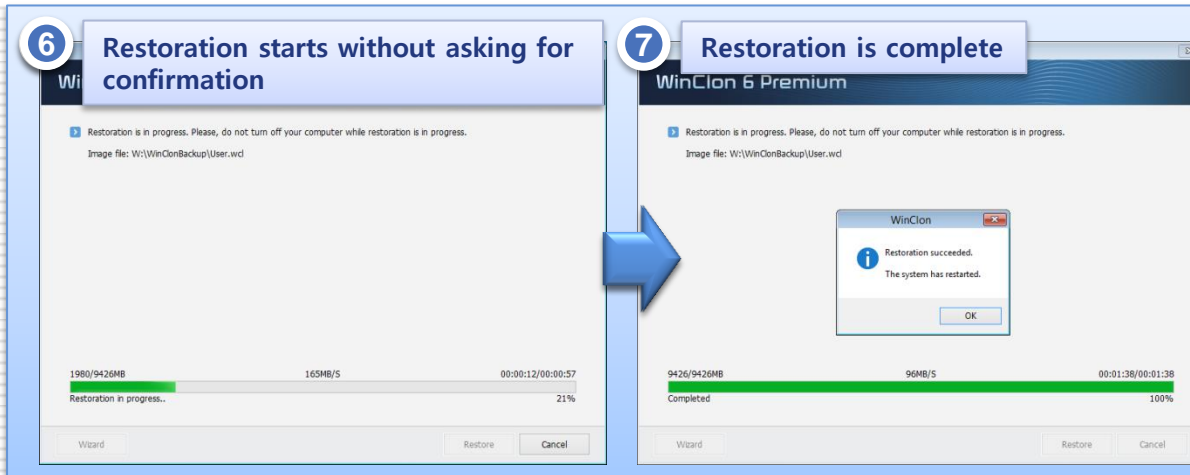
# Automatic Recovery

- ❖ If restoration is stopped by a forced system shut down, the system automatically enters the Recovery Zone and restarts restoration from the beginning when the power is on.



# Automatic Recovery

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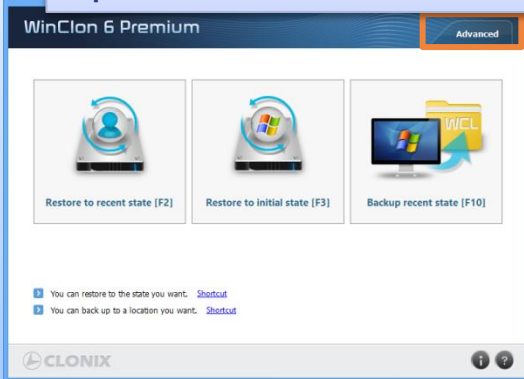
## Notes

- Automatic recovery can be applied to every restoration process except Wizard Restoration.

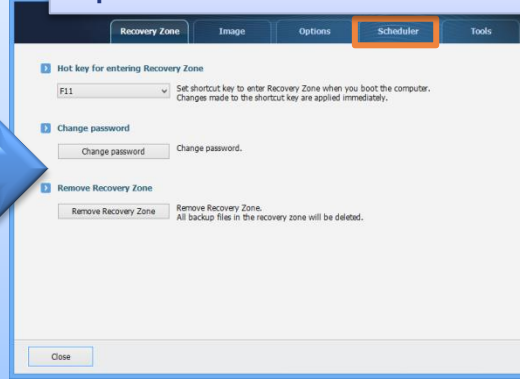
# Backing up by Schedule

- ❖ Auto backup may be performed according to the backup schedule set by the user. Differential backup will be performed for backup procedure.

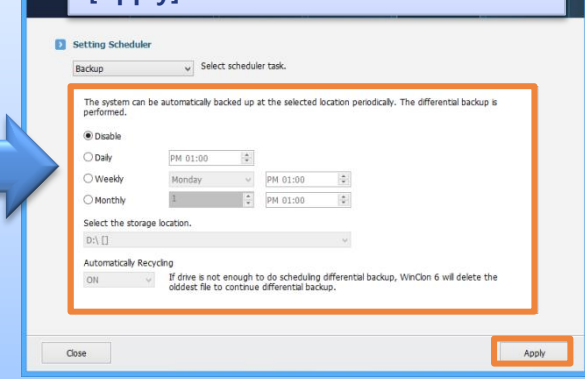
1 Select [Advanced] menu at the right top of the screen



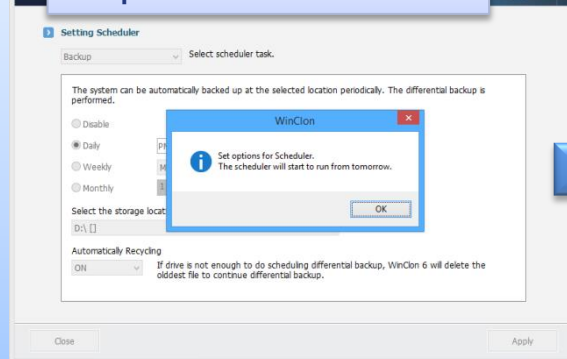
2 Select [Scheduler] menu at the right top of the screen



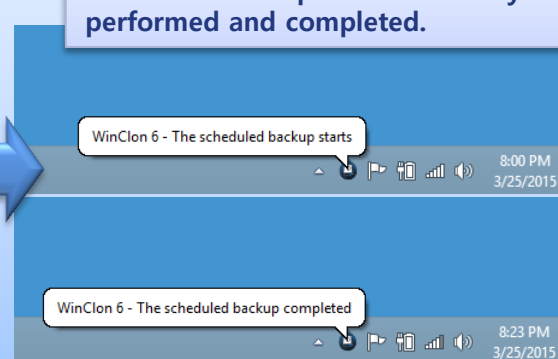
3 After setting backup schedule, click [Apply] button



4 Backup schedule setting is completed



5 On the set date of backup schedule, scheduled backup is automatically performed and completed.



Select option of backup scheduler

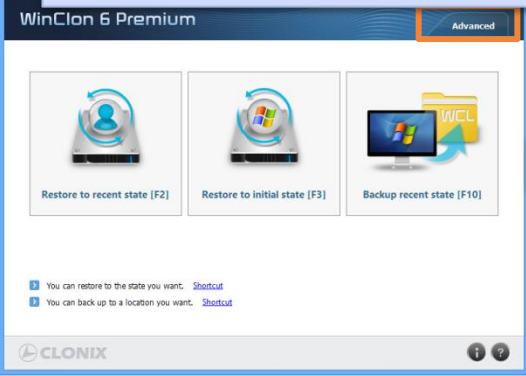
- Disable: Function 'Backup Scheduling' is not used.
- Daily: 'Backup Scheduling' is executed at the time selected by the user every day.
- Weekly: 'Backup Scheduling' is executed on the day selected by the user every week.
- Monthly: 'Backup Scheduling' is executed on the day selected by the user every month.
- Automatically Recycling: If drive is not enough to do scheduling differential backup, WinClon 6 will delete the oldest file to continue differential backup.



# Restoring by Schedule

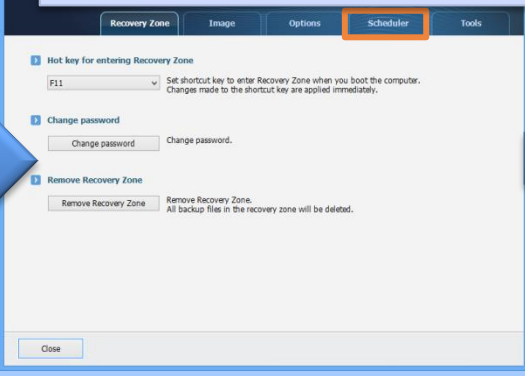
- ❖ Auto restoration may be performed according to the restoration cycle set by the user.

**1** Select [Advanced] menu at the right top of the screen



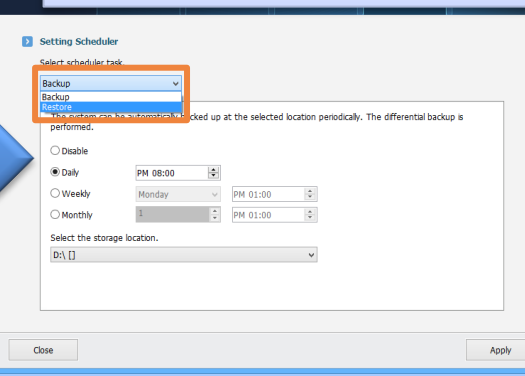
The screenshot shows the WinClon 6 Premium Advanced menu with three options: 'Restore to recent state [F2]', 'Restore to initial state [F3]', and 'Backup recent state [F10]'. The 'Advanced' menu is highlighted in the top right corner.

**2** Select [Scheduler] menu at the right top of the screen



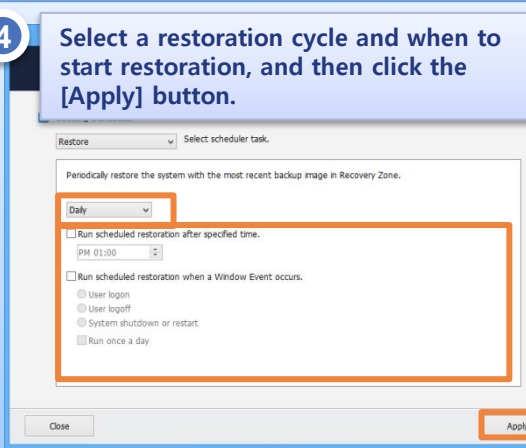
The screenshot shows the WinClon 6 Premium Scheduler menu with three options: 'Hot key for entering Recovery Zone', 'Change password', and 'Remove Recovery Zone'. The 'Scheduler' menu is highlighted in the top right corner.

**3** Select [Restore] from scheduler menu options



The screenshot shows the WinClon 6 Premium Scheduler Restore menu with three options: 'Backup', 'Restore', and 'Logoff'. The 'Restore' option is highlighted in the top right corner.

**4** Select a restoration cycle and when to start restoration, and then click the [Apply] button.



The screenshot shows the WinClon 6 Premium Scheduler Restore settings. The 'Restore' dropdown is set to 'Daily'. The 'Run scheduled restoration after specified time' checkbox is checked, and the time is set to 'PM 01:00'. The 'Run scheduled restoration when a Window Event occurs' checkbox is also checked, and the event is set to 'User logon'. The 'Apply' button is highlighted in the bottom right corner.

**Select option of restoration scheduler**

Scheduled restoration cycle

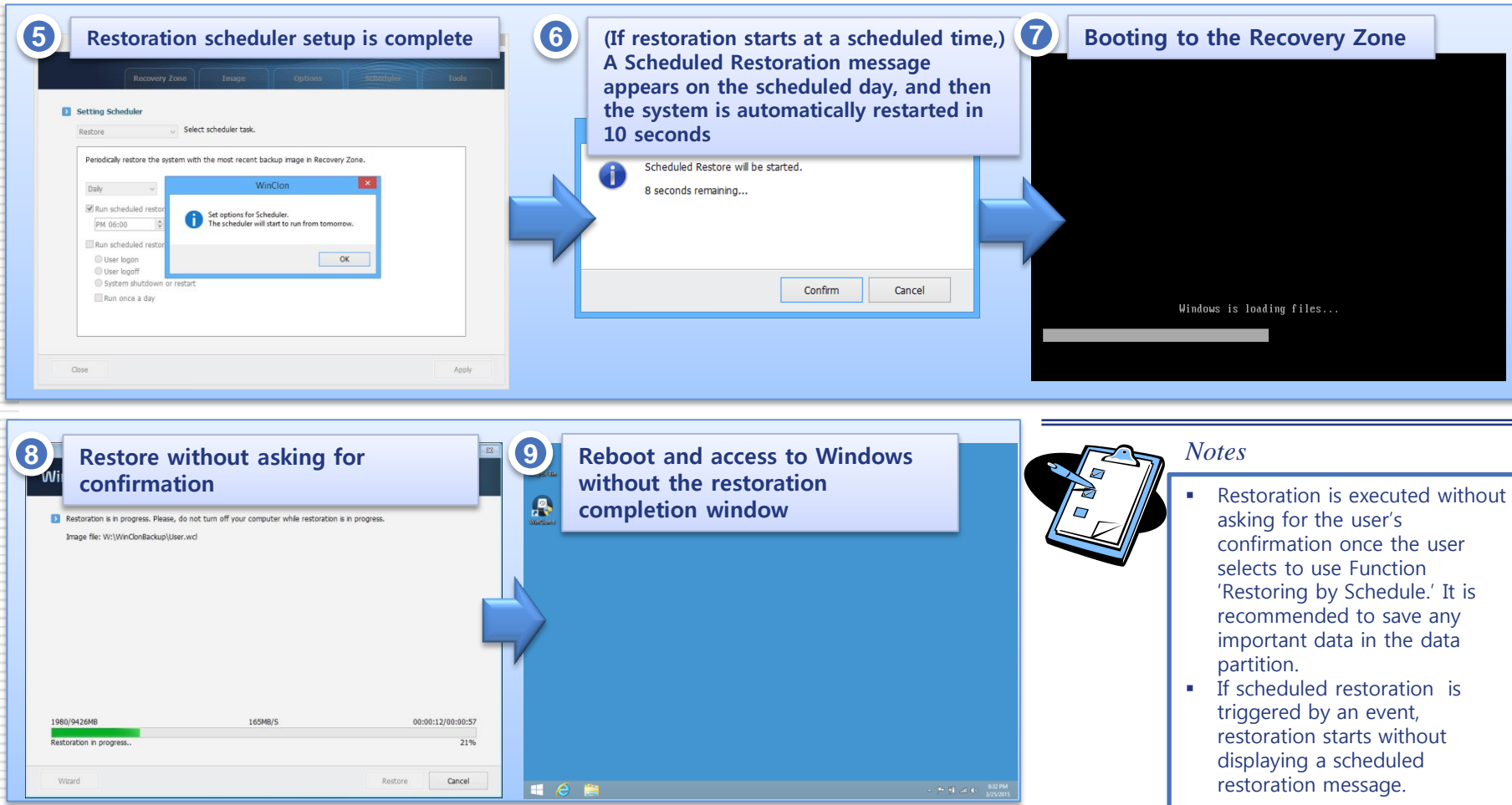
- Disabled: Scheduled restoration is not used.
- Daily/Weekly/Monthly: Restoration is scheduled to be executed daily/weekly/monthly.

When to start restoration

- Setting up restoration time: Scheduled restoration starts at a defined time.
- Triggering restoration by an event: Restoration starts by a user logon/logoff, system shutdown or rebooting.
- Run once a day: Scheduled restoration is done once a day even though the events occur several times. (This is selected along with the user logon event.)

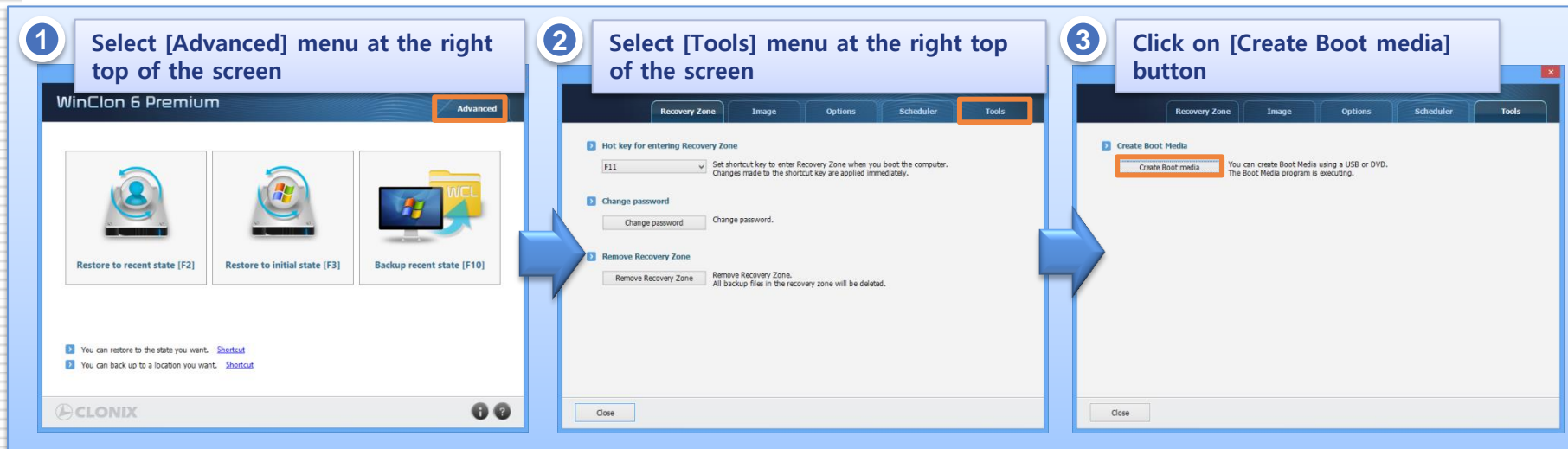
# Restoring by Schedule

- ❖ Scheduled restoration helps to restore the system from the latest backup image in the Recovery Zone.



# Creating a Boot Media

- ❖ It is a function for making a DVD or USB memory the WinClon 6 booting media.



## Notes

- To directly enter the booting media screen, run WinClon 6 > Boot Media in Start Menu.

# Creating a Boot Media

- ❖ If you use the booting media, you can use the restoration function of WinClon 6 without installing the Recovery Zone.

**4** Select DVD or USB for the booting media type



**5** Connect the media to PC and click on [Start] button



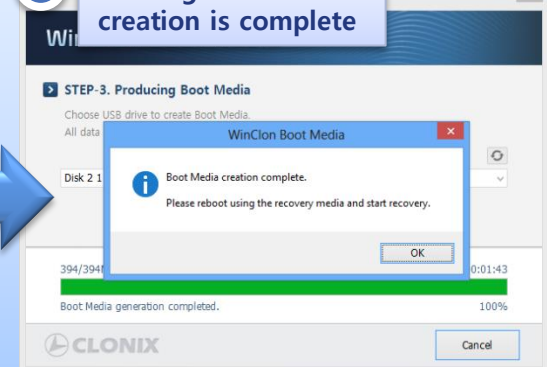
**6** Confirm creation



**7** Booting media is created



**8** Booting media creation is complete





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# *Removal*

# Removing Recovery Zone

- ❖ By clicking “Remove Recovery Zone” button, you can safely remove Recovery Zone from the system

**1** Select [Advanced] menu at the right top of the screen

**2** Click on [Remove Recovery Zone] button

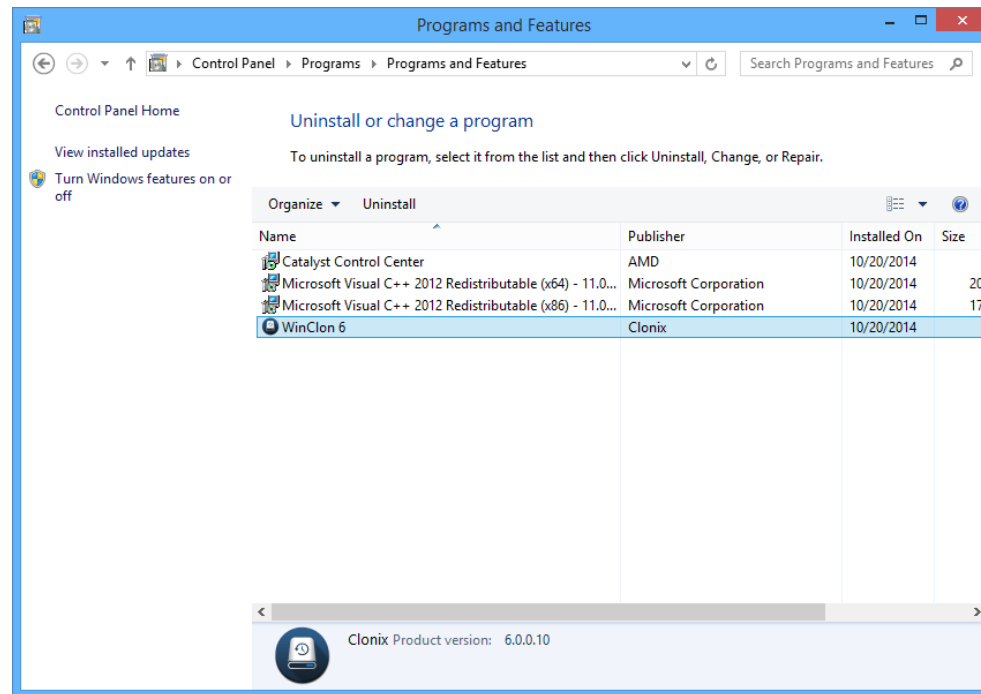
**3** Confirm removal

**4** Recovery Zone is removed

**5** Recovery Zone removal is complete

# Removing Application

- ❖ By using Remove or Change Program in Control Panel, you can remove the WinClon installed in Windows.



## Notes

- If the Recovery Zone has been installed, you must "Remove Recovery Zone" and "Remove WinClon" to completely remove the program
- If only WinClon has been installed, "Remove WinClon" in "Remove or Change Program" of Control Panel



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## *FAQ*



# FAQ

## 1 Several HDDs are installed in the PC but they are shown on the installation menu of restoration domain setup menu.

Unless OS is installed, restoration domain can't be installed in HDD. Therefore, only the partition of HDD where OS is installed are shown.

## 2 What should I do with licensing matter when HDD is replaced?

If your PC is the same one licensed at first, you can have it re-authenticated.

## 3 Can I restore the files that I backed up with WinClon in another PC?

Yes, you can.

You can restore the backup files in PC with the same version as before by using backup image. However, if your new PC uses key hardware (such as CPU and main board) with different version, it can not boot up after restoration. And even so (booted up), new proper device driver(s) should be installed from the new hardware.

## 4 Don't you remember password?

There are two passwords: one when you install restoration domain or use WinClon that is set up in the advanced menu and another for wizard backup image that is set in installing it. Both passwords are encrypted. Therefore, if you don't remember it, you can't find it.

## 5 Is it possible to use WinClon 5 and WinClon 6 together?

WinClon 5 and WinClon 6 are not compatible; therefore, it is impossible to use them at the same time. If you use WinClon 5 and wish to install WinClon 6 system, you are asked to delete WinClon 5 in order to install WinClon 6. You can restore the image which you backed up on WinClon 5.

# FAQ

## 6 While backing up in a removable device, 930 error appeared.

It is highly likely that the file system of the removable device has been damaged. In this case, correct the error of the removable device and re-run backup.

You can correct file error by the following procedures.

1. Check the driver text of the removable device connected to your computer.
2. Start > All Programs > Accessories (Programs)> click (right side) Command Prompt to execute Administration Authority.
3. Run Check Disk (chkdsk) of the removable device
  - chkdsk removable device: /f
  - When it is supposed that removable device is M, it is chkdsk m: /f

## 7 Can I use WinClon 6 when restoration solution is loaded at PC?

In case of general restoration solution including WinClon 6, if hidden partition/hidden recovery partition created by PC manufacturer, third party software, and user exists, it may cause crash or problem. Thus, it is desirable to use WinClon 6 program, after deleting restoration solution of other companies that you have used previously.

However, in case where you need to use WinClon 6 with existing restoration solution of other companies, you may backup/restore without installation of Recovery Zone by using 'wizard' mode as below.

1. Install WinClon(do not install Recovery Zone).
2. [Wizard backup](#) - Backup Windows partition or entire disk.
3. [Creation of booting media](#) - Create WinClon booting media.
4. [Wizard restore](#) - Restore Windows partition or entire disk by booting with booting media.

# FAQ

## 8 In SkyLake environment, a problem occurs when booting to a USB bootable media.

For SkyLake environment, it is not possible to boot to a USB booting media created in the previous version of Windows 7 (SkyLake SPEC).

You can make a boot this way:

1. Use DVD Writer built into PC - After creating DVD media to a bootable media, make a boot to a DVD bootable media.
2. Use Windows 7 or later - In Windows 7 or later, recreate USB media to a bootable media, and make a boot to a USB bootable media.

## 9 How can I change the option for Secure Boot?

You can change the option for Secure Boot in UEFI BIOS.

Follow the steps as follows so as to change the option(The method of the access and the change can be varied by manufacturers).

1. Have access to UEFI BIOS by entering the Shortcut Key provided by each manufacturer after booting your PC.
2. Start the Security Menu.
3. Turn off the option for Secure Boot.
4. Save the changed detail, and then reboot your PC.



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# *Product Support*

# Dependence/limitations

## Unsupported environment

- 64Bit Windows XP (MBR)
- Linux
- Multiple operating systems
- Dynamic disk environment
- PC manufacturer, third party software, installation environment of hidden partition/hidden recovery partition created by user

## Backup/Restore

- If no system partition exists, the system back up/restore is not allowed.
- For XP environment, restoration in the Recovery Zone is recommended.
- If the save path between the backup drive and the backup file are the same, differential backup is not recommended as it creates differential backup of the image file.

## Install/Uninstall

- For XP environment where accessing to the Recovery Zone is not allowed, you must remove the Recovery Zone by booting to a bootable media when deleting the Recovery Zone.

# Dependence/limitations

## Install/Uninstall

- For GPT disks, it is not possible to remove the Recovery Zone to the earlier version rather than to the installed version (Removal requires the latest version).

## Others

- In case of formatting system partition in GPT environment, Recovery Zone cannot be entered.
- In the case of UEFI PC, Secure Boot should be OFF in order to operate WinClon.
- External HDD cannot be used as booting media.
- In the case of a disk in the external form, you may retrieve different disk information (i.e., model, serial) depending on the USB Adapter.
- This product includes 7z, a software distributed under license of GNU LGPL.

### Content Details

- 7-zip
- . <http://www.7-zip.org/>
- . 7z.dll : GNU LGPL + unRAR restriction
- . 7z.exe : GNU LGPL
- . It was used for decompression of iso files



# Thank You

We're always urged to hear more from the users

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