Manual

Advantech USB Recovery Stick UEFI for DLT-V73

V1.03

ADVANTECH

IMPORTANT:

Read this manual carefully.

Keep for future reference.

Manual version

Manual version: V1.03

Completed on: August 28, 2024

Revision History:

Version	Date	Manual modifications
V1.00	August 24, 2023	Advantech USB Recovery Stick UEFI for DLT-V73
V1.01	March 25, 2024	Ghost version updated to 12.0.0.11566
V1.02	June 4, 2024	Return to Ghost version 12.0.0.10514
V1.03	August 28, 2024	Two Ghost versions available to select

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www.advantech.com

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1. Introduction

1.1. Target group / qualification

NOTICE: Physical damage

The Advantech USB Recovery Stick UEFI may only be used by skilled personnel, for example by IT administrators. Improper usage will void any warranty of Advantech B.V. for the USB Recovery Stick UEFI and the respective Advantech device.

1.2. Described version

This manual describes Advantech USB Recovery Stick UEFI for DLT-V73 V1.03.

1.3. Current Manual versions available on our website

You can find the latest versions of our manuals on our website:

www.advantech.com

1.4. Design elements in the manual

The following symbols and signal words are used in the manual:

NOTICE: Physical damage

Information about possible physical damage

NOTE

Notes about how to handle or use the product

Note about additional information in manuals

2. Important notes

2.1. Intended Use

The USB Recovery Stick UEFI is intended to be used for creating and restoring Symantec Ghost™ Images of Microsoft Windows Operating Systems on the Advantech devices defined in manual section **Scope**.

As images can't be created/restored online, the USB Flash drive (UFD) is bootable and intended to be used this way.

As operating system the Windows Pre-Installation Environment (WinPE) is used.

2.2. Scope

2.2.1. Advantech devices

The Advantech USB Recovery Stick UEFI described in this manual, applies to the following Advantech devices:

– DLT-V73 Series

NOTICE: Physical damage

Functionality of the USB Recovery Stick UEFI on other devices cannot be guaranteed by Advantech B.V.

2.3. Symantec Ghost™ software versions

Ghost™ software versions **12.0.0.10514 and 12.0.0.11566** are available on the Advantech USB Recovery Stick UEFI.

NOTICE: Physical damage

Functionality of the Advantech USB Recovery Stick UEFI can only be guaranteed using the Ghost™ software version **12.0.0.10514 or 12.0.0.11566**.
  ⇨ Always use one of these versions for creating and restoring images with the Advantech USB Recovery Stick UEFI.

Otherwise, a proper and accurate functionality of the Advantech USB Recovery Stick UEFI can't be guaranteed.

2.4. Content of Advantech USB Recovery Stick UEFI

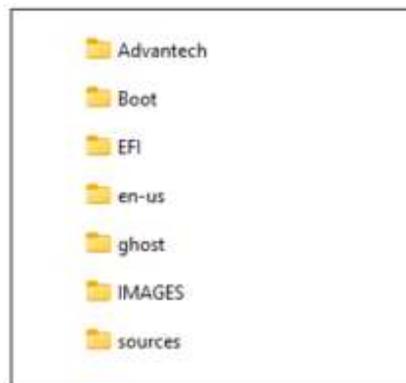Advantech USB Recovery Stick UEFI contains the following directories:

Figure 2.1: Content of Advantech USB Recovery Stick UEFI

Relevant for customer's use:

Ghost directory	
File(s):	*Purpose:*
Ghost64.exe, version 12.0.0.10514 (Part of Ghost Solution Suite 3.2)	Exe file for creating and restoring images.
Ghost64.exe, version 12.0.0.11566 (Part of Ghost Solution Suite 3.3RU11)	Exe file for creating and restoring images
Symantec_Ghost_Standard_Tools_3_2.msi (Part of Ghost Solution Suite 3.2)	Installer for copying some Symantec Ghost™ utilities to an Administrator's PC. Example: A Ghost file explorer for editing Ghost™ images, if necessary. Please find detailed information in the Symantec Ghost™ Online Help available after installation.
Symantec_Ghost_Standard_Tools_3_3_RU11.msi (Part of Ghost Solution Suite 3.3RU11)	Installer for copying some Symantec Ghost™ utilities to an Administrator's PC. Example: A Ghost file explorer for editing Ghost™ images, if necessary. Please find detailed information in the Symantec Ghost™ Online Help available after installation.

IMAGES directory
Purpose:
Default path for images created with Ghost64.exe.

3. Using the USB Recovery Stick UEFI

The USB Recovery Stick UEFI is intended to be used for creating and restoring Symantec Ghost™ Images of Microsoft Windows Operating Systems on the Advantech devices defined in manual section *Scope*.

As images can't be created/restored online, the USB Flash drive (UFD) is bootable and intended to be used this way.

As operating system the Windows Pre-Installation Environment (WinPE) is used.

To boot an Advantech device from the UFD the stick has to be connected to an USB port. Therefore, it might be necessary to remove the cable cover respectively the antenna cap.

An USB keyboard will be necessary too.

After booting a device from the UFD the user will be guided through a simple full screen menu.

3.1. Main Menu

When the boot process is completed, the user should see the following main menu:

Figure 3.1: Main menu

The required Ghost version can be selected from the dropdown menu:

   –   Ghost64_12.0.0.10514.exe

   –   Ghost64_12.0.0.11566.exe

Figure 3.2: Select Ghost Version

Item	Description
Automatic image backup/restore with Symantec Ghost™	Via this menu item only an image file name has to be specified for backup/restore.
Manual image backup/restore with Symantec Ghost™	Choosing this menu item gives more flexibility respectively full control over Symantec Ghost™.
Shutdown now	Through this menu item WinPE will be shut down.

If no storage medium is found during boot up the user will see an error message box instead of the main menu.

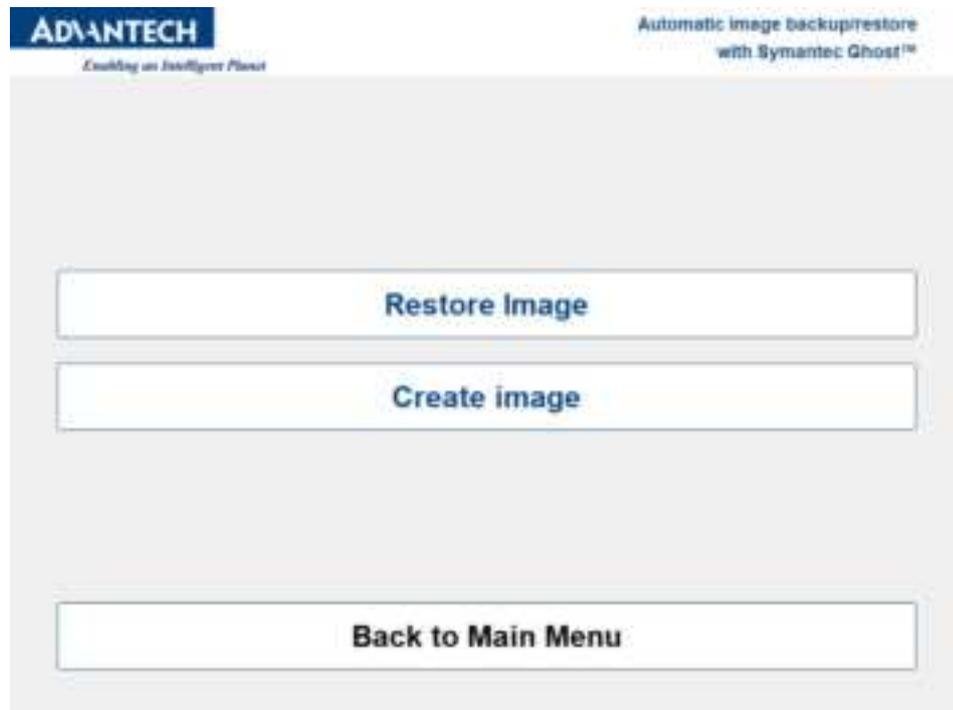## 3.2. Automatic image backup/restore with Symantec Ghost™

Figure 3.3: Restore image or create image

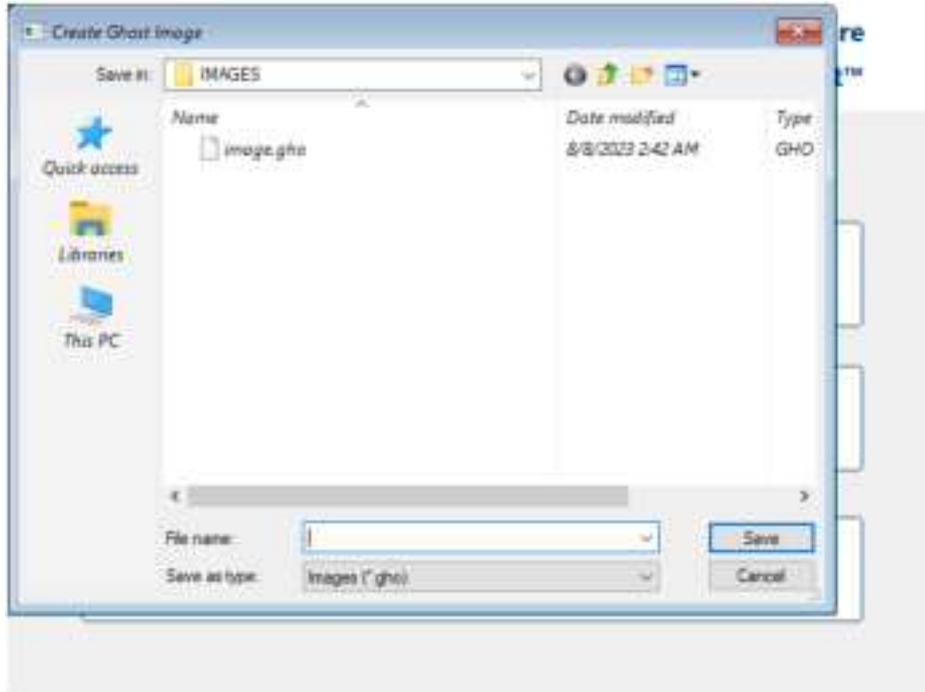| Item	Description
Restore Image	Via this menu item only an image file has to be chosen for restore.
Create Image	Via this menu item only an image file name has to be specified for backup creation. This button will be grayed out and not clickable if no partition on the storage medium could be found during boot up.
Back to Main Menu	To return to the Main Menu.

3.2.1. Create image

Figure 3.4: Create image

A path and filename for the image to be created must be specified. As default path the **IMAGES** folder on the root directory of the UFD is used.

For filename input a USB keyboard has to be connected to the device.

After pressing **Save**, Symantec Ghost™ and the creation process will start immediately.
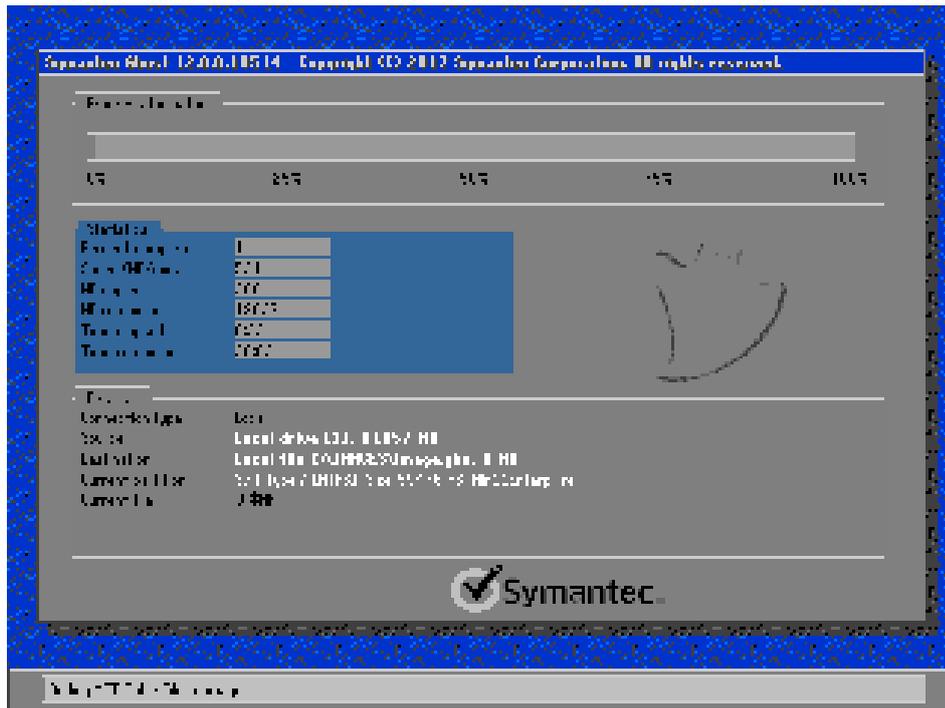
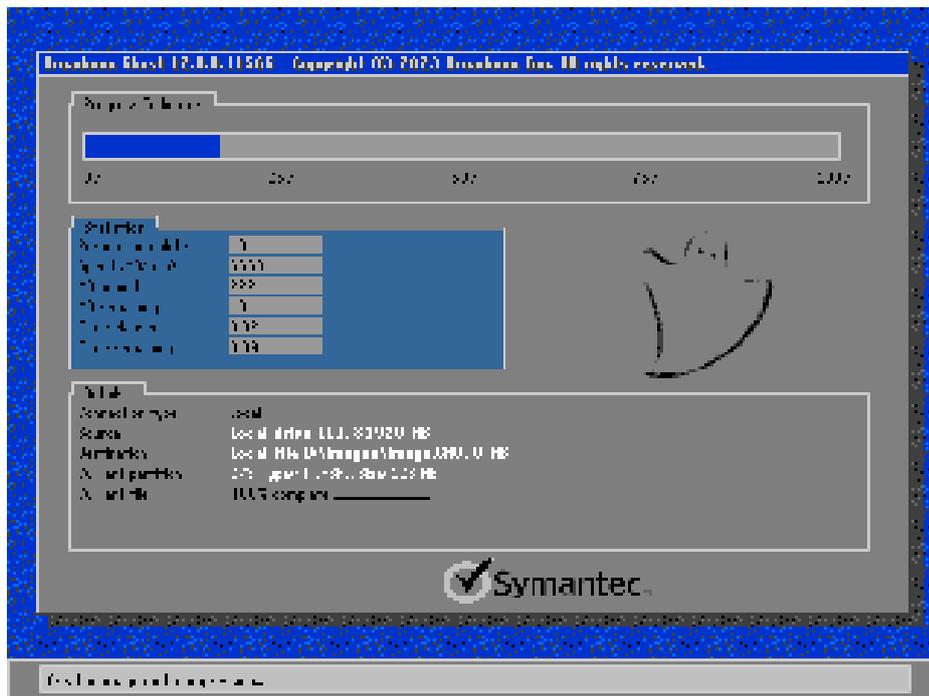Figure 3.5: Create image Symantec Ghost 12.0.0.10514 – creation process

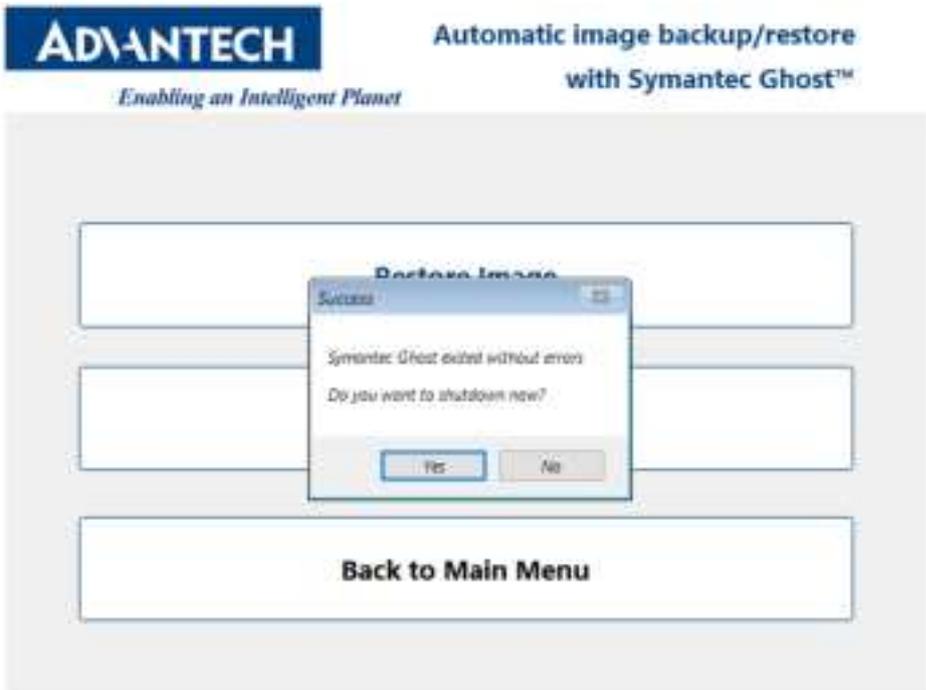Figure 3.6: Create image Broadcom Ghost 12.0.0.11566 – creation process

Figure 3.7: Create image – system shutdown

After image creation is complete a success message box will pop up.

Choosing **Yes** relevant to the question will lead to an immediate shutdown.
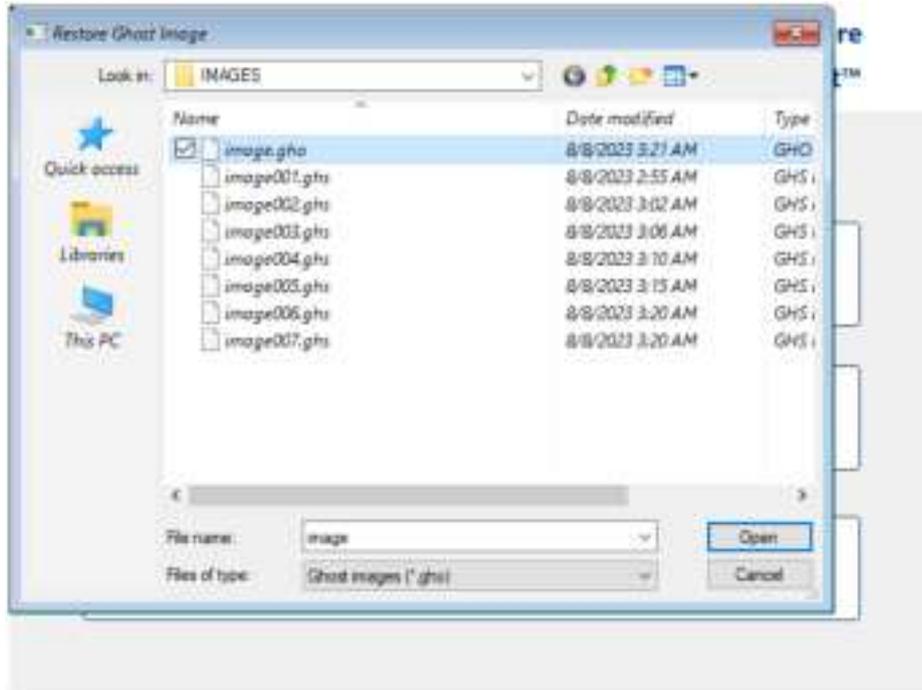
3.2.2. Restore image

Figure 3.8: Restore image

A Symantec Ghost™ file with the extension **.gho** has to be chosen for restore.
By default, the **IMAGES** folder on the root directory of the UFD is opened for browsing.
After pressing **Open**, Symantec Ghost™ and the restore process will start immediately.
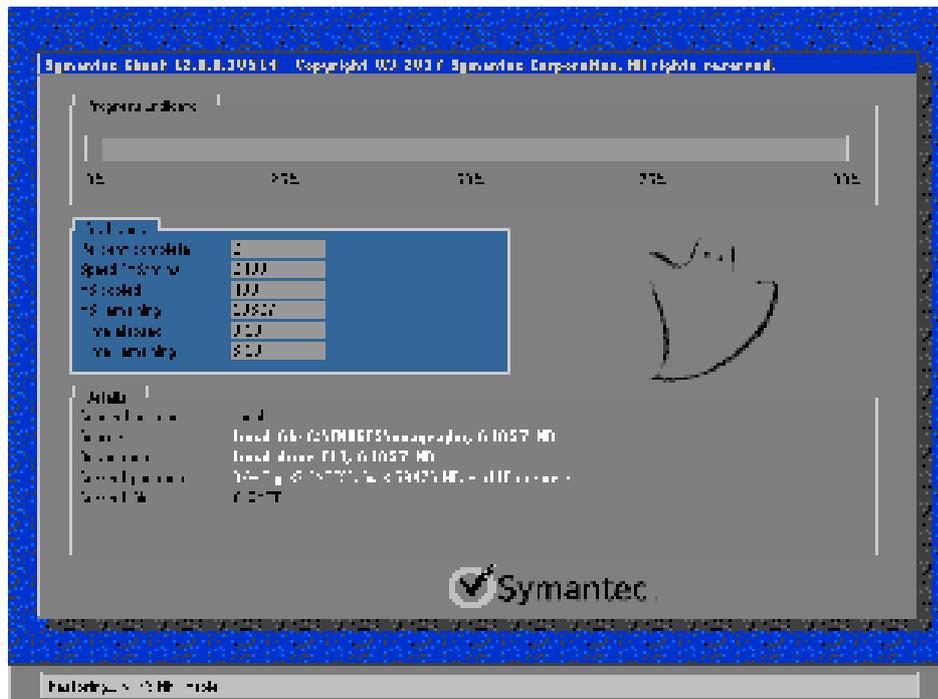

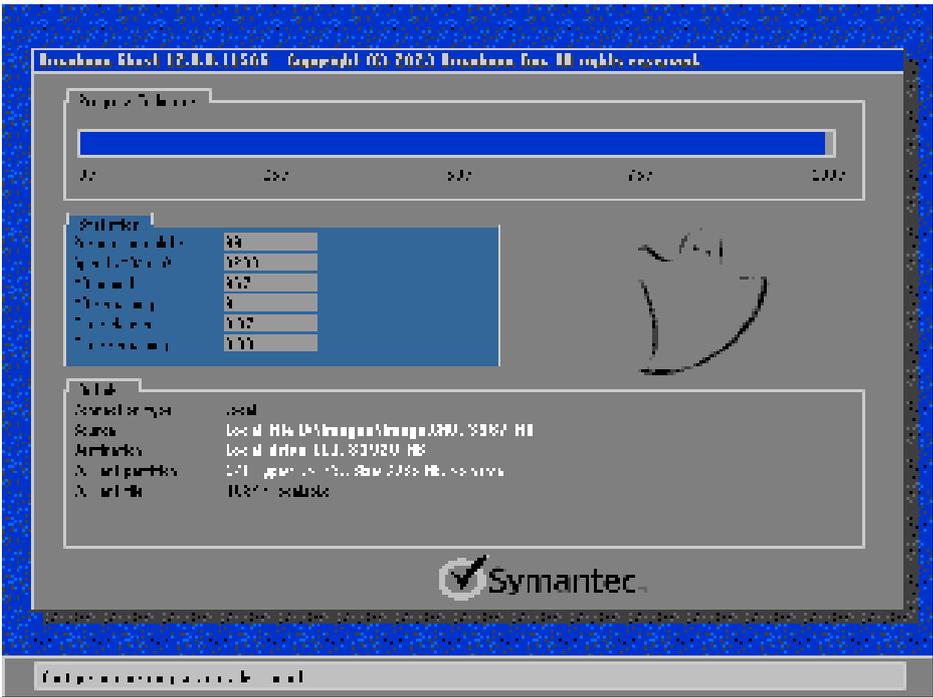Figure 3.9: Restore image Symantec Ghost 12.0.0.10514 – creation process

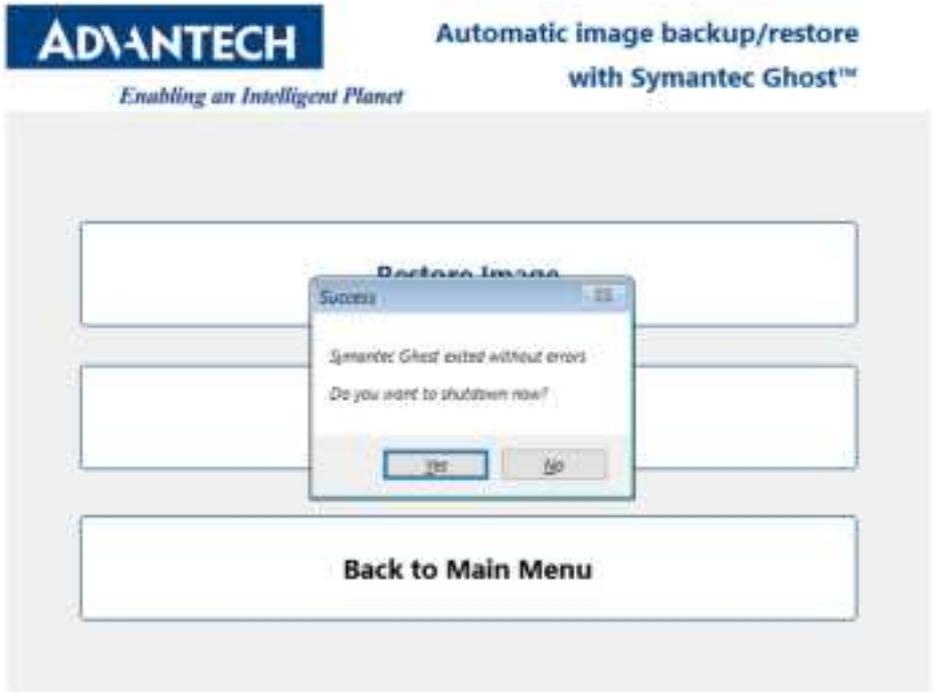Figure 3.10: Restore image Broadcom Ghost 12.0.0.11566 – creation process

Figure 3.11: Restore image – system shutdown

After image restore is complete a success message box will pop up.

Choosing **Yes** relevant to the question will lead to an immediate shutdown.

3.3. Manual image backup/restore with Symantec Ghost™

Figure 3.12: Automatic backup/restore process – Symantec Ghost 12.0.0.10514

Figure 3.13: Automatic backup/restore process – Broadcom Ghost 12.0.0.11566

In some cases, it might not be possible or useful to choose the **Automatic backup/restore** process. E.g., if an image with more than one partition is to be restored and the size of the partitions has to be specified exactly or if an image has to be restored on another storage medium than the primary boot medium.

In this case the Symantec Ghost™ software can be fully operated by choosing the **Manual image backup/restore** menu option.

Detailed information on how to use Symantec Ghost™ and the whole Symantec Ghost™ Solution Suite can be found on the Symantec support website: https://www.broadcom.com

4. Technical customer support

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5. List of figures