

# Actiphy Rapid Deploy

## Setup Guide

1<sup>st</sup> Edition (January 2025)



## 目次

---

1. Overview .....	3
1.1. System Requirements.....	3
1-2. Product Components .....	3
2. Installation.....	4
2-1. Installation of ImageCast Server .....	4
2-2. Installation of Deploy Media Creator .....	6
3. License Management.....	8
4. Create a new Deployment USB Media.....	10
5. Create ImageCast Client Media .....	17
6. Create a source image.....	22
7. Deploy Source Image.....	24
7-1. Actiphy Rapid Deploy Deployment Method .....	24
7.2 Deployment using network boot.....	25
7.3. Deploy a source image by using ImageCast client boot media .....	32
7.4. Deploy a source image by using Deploy USB Media .....	37
8. Create Recovery Media .....	39
8-1. Create Recovery USB media.....	39
8-2. Create Recovery Optical Disc .....	43
8-3. Restore using Recovery Media.....	47
9. License Management.....	49
9-1. Add licenses.....	49
9-2. Save Source Image.....	52
9-3. Replacement of the source image.....	53
9-4. Simultaneous creation of multiple USB media .....	57
Reference .....	59

# 1. Overview

Actiphy Rapid Deploy is designed for System Integrators, VARs/OEMs, and System Administrators to deploy a source image of a pre-configured computer system to many client PCs over network. Actiphy Rapid Deploy (enhanced from the predecessor product, ActiveImage Deploy USB) frees you from the time-consuming, repetitive deployment of a source image of a preconfigured PC to many PCs. This Set-up Guide provides the description how to implement the environment ready for constant use to deploy a source image to many PCs by Actiphy Rapid Deploy and the basic deployment procedures.

## 1.1. System Requirements

Please ensure your computer meets these minimum system requirements before using Actiphy Rapid Deploy.

<https://www.actiphy.com/global/product/actiphy-rapid-deploy/#system-requirements>

## 1-2. Product Components

Actiphy Rapid Deploy comprises two key components: Deploy Media Creator (enhanced from the predecessor product, ActiveImage Deploy USB) for creating source images and boot media, and the newly developed distribution server, ImageCast Server.

- ImageCast Server

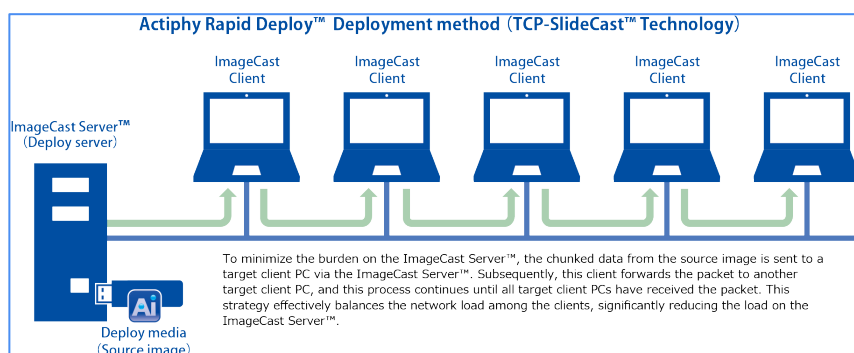
ImageCast Server is a distribution server that enables multicasting of a source image to client PCs via a network. Using ImageCast Server allows quick deployment of a source image. The newly developed TCP-SlideCast\* technology, distribution server, revolutionizes multicast capabilities, enabling the efficient transfer of source images to multiple client PCs with ease.

- Deploy Media Creator

Creates Deploy USB media for creating source images and ImageCast client media for connecting from a client PC to ImageCast Server. Deploy Media Creator also creates recovery media and provides license management feature.

\*TCP-SlideCast Technology

To minimize the burden on the ImageCast Server, distribution server, the chunked data from the source image are sent to a target client PC via the ImageCast Server. Subsequently, this client forwards the packet to another target client PC, and this process continues until all target client PCs have received the packet. This strategy effectively balances the network load or load on the distribution server.



## 2. Installation

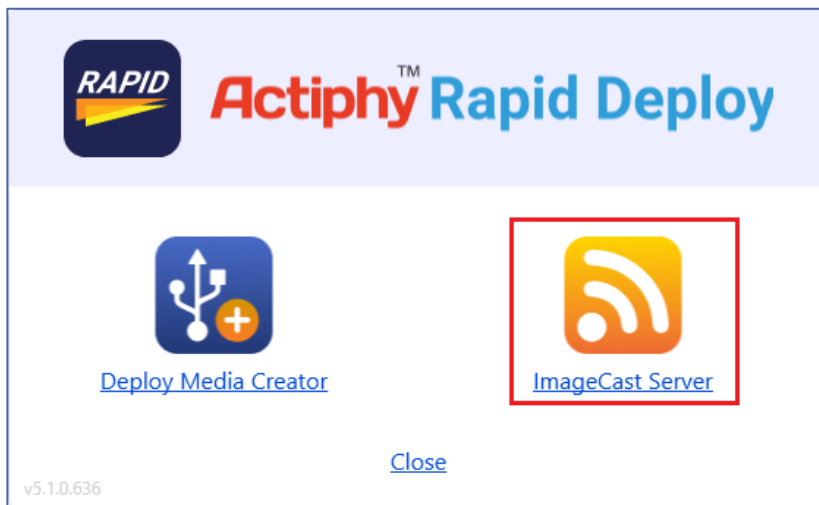
### 2-1. Installation of ImageCast Server

The following steps will show you how to install the distribution server, ImageCast Server.

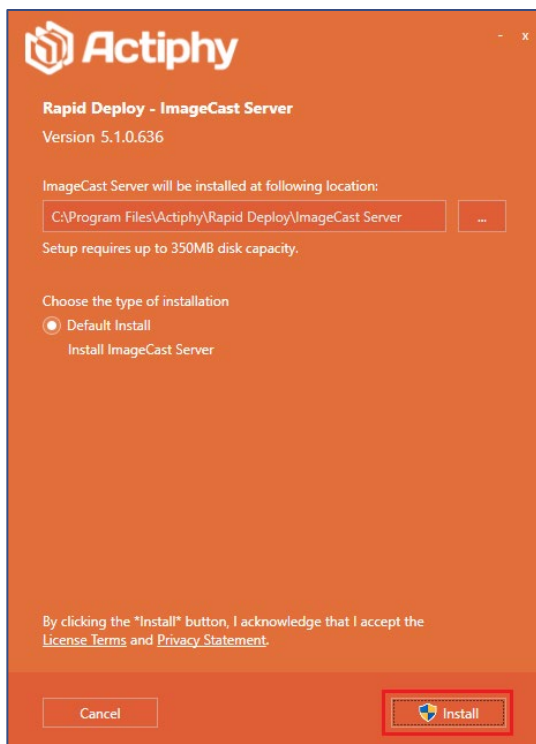
\* Please avoid assigning fixed IP address to the NIC on the ImageCast Server computer.

1. Please start the installer of Actiphy Rapid Deploy.

If using the product media, double-click on the “Setup.exe” on the media. When downloading from Actiphy’s Web site, run RapidDeploy\_vxxx\_bxxx.exe. Once you have the Actiphy Rapid Deploy’s install screen running, click [ImageCast Server] icon.



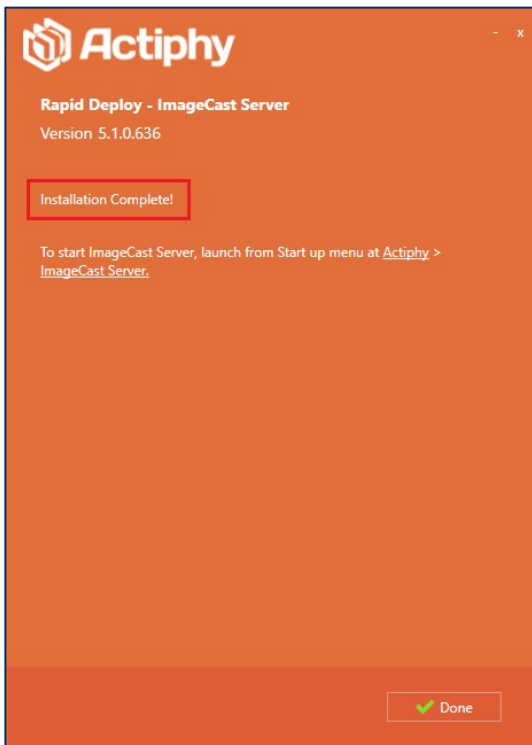
2. Click the [Install] button to start the installation process for ImageCast Server.



## Installation

3. When [Installation Complete!] message is displayed, the installation of ImageCast Server has finished.

\* You do not need to reboot your system or configure the specific settings after installation.



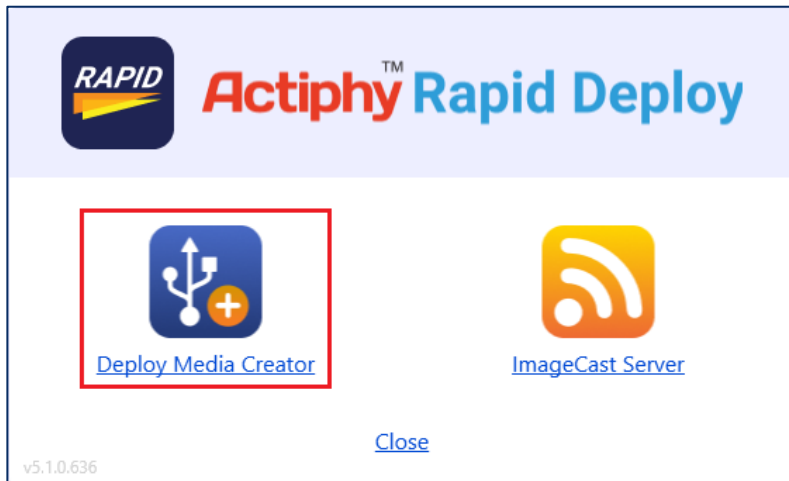
## 2-2. Installation of Deploy Media Creator

The following steps will show you how to install Deploy Media Creator.

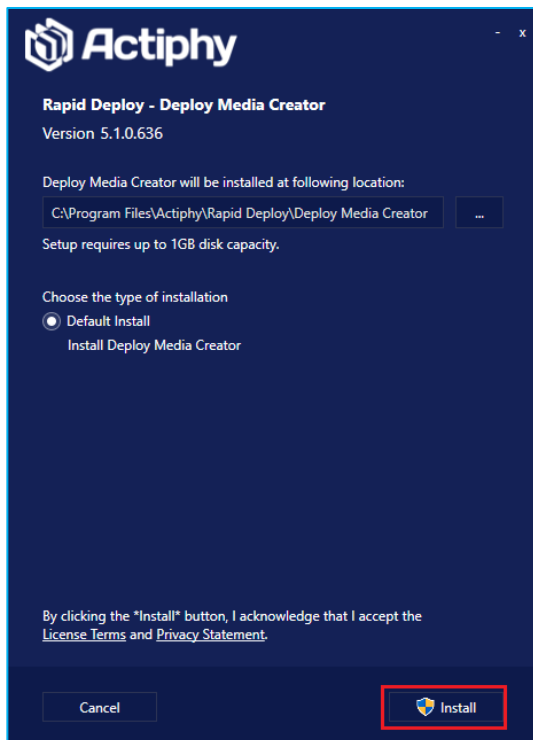
\*Please ensure that internet connectivity is accessible on Deploy Media Creator computer.

1. Please start the installer of Actiphy Rapid Deploy.

If using the product media, double-click on the “Setup.exe” on the media. When downloading from Actiphy’s Web site, run “RapidDeploy\_vxxx\_bxxx.exe.” Once the installer starts, click [Deploy Media Creator] icon.



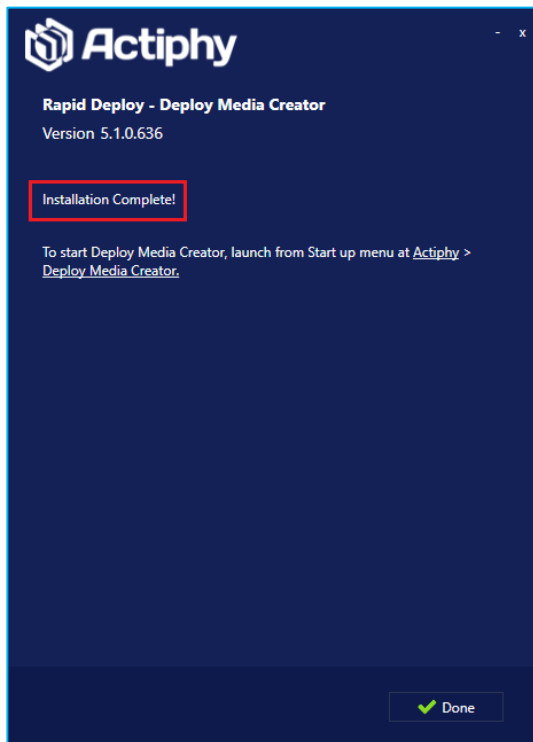
2. Click the [Install] button to start the installation process for Deploy Media Creator.



## Installation

3. When [Installation Complete!] message is displayed, the installer of Deploy Media Creator has finished.

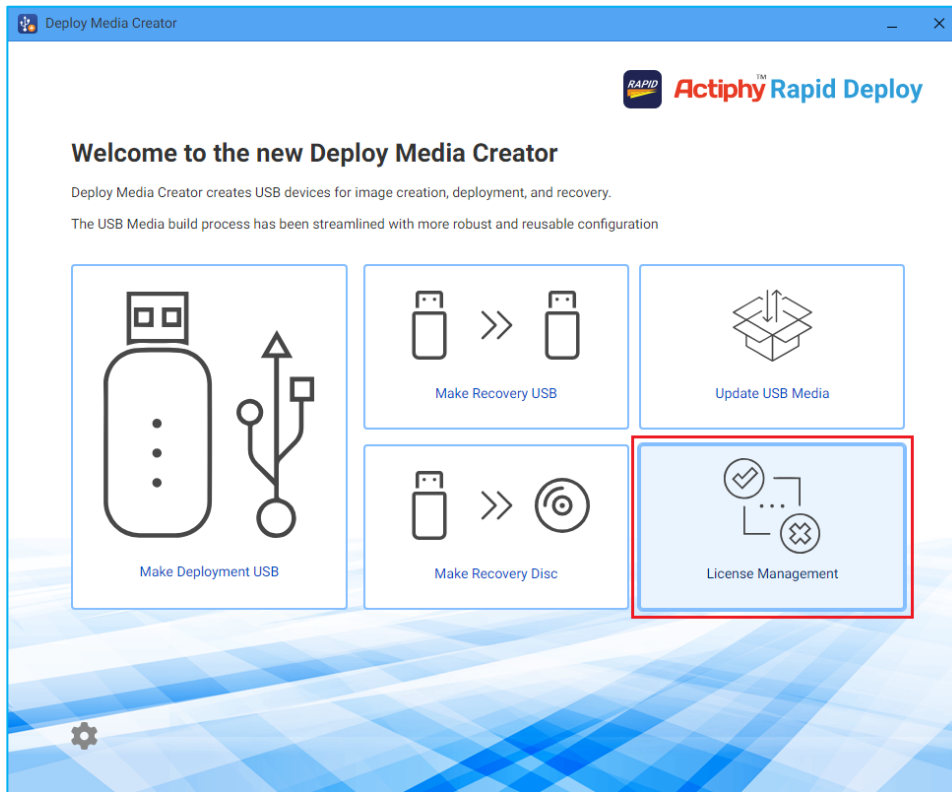
\* You do not need to reboot your system.



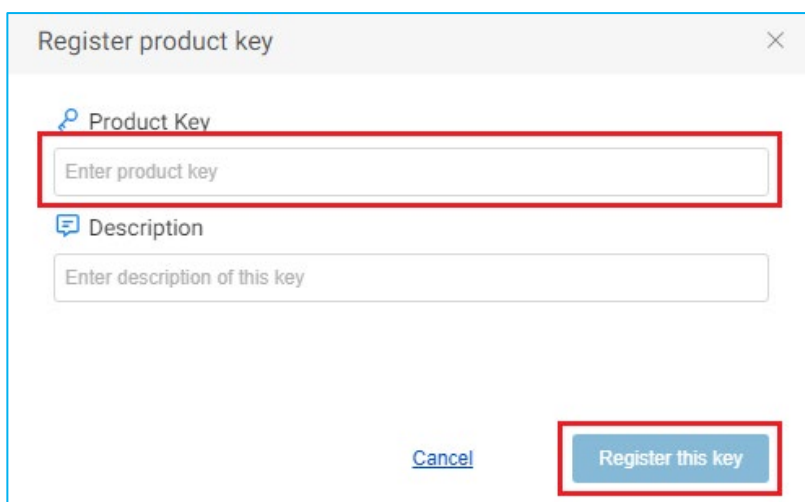
### 3. License Management

Use the following steps to manage the licenses by using License Manager of Deploy Media Creator installed on your computer.

1. Go to Windows Start menu and then navigate to [Actiphys] → [Deploy Media Creator]. Or, click [Deploy Media Creator] on your desktop. Once the Deploy Media Creator's console window is launched, click [License Management].



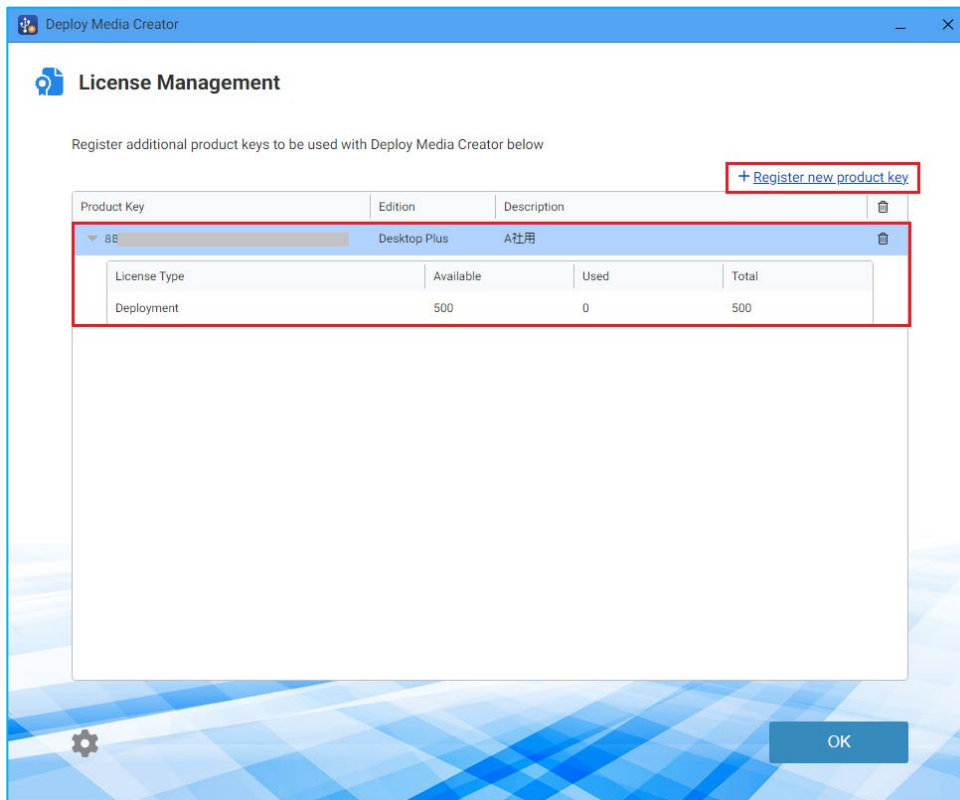
2. Please enter the product key you purchased and click [Register this key].





## License Management

- Click on [▶] mark at the right of the product key, and you can monitor the available number of licenses, etc. Click on [+Register new product key] and register an additional product key.

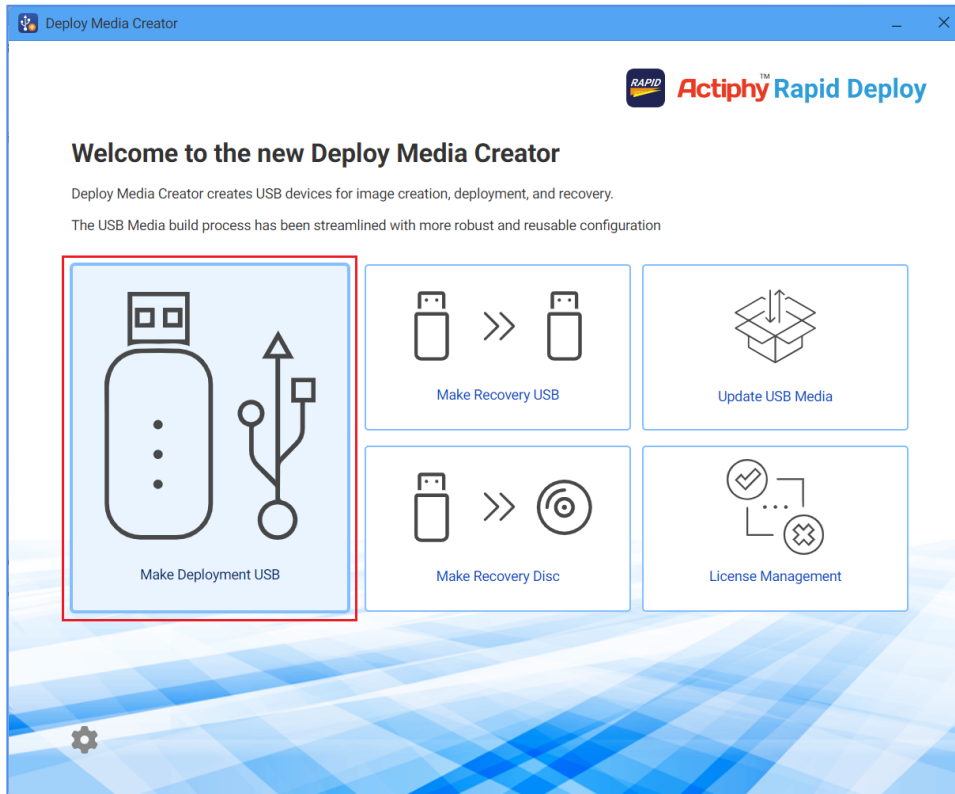


## 4. Create a new Deployment USB Media

Deployment USB Media is used to create a source image to deploy.

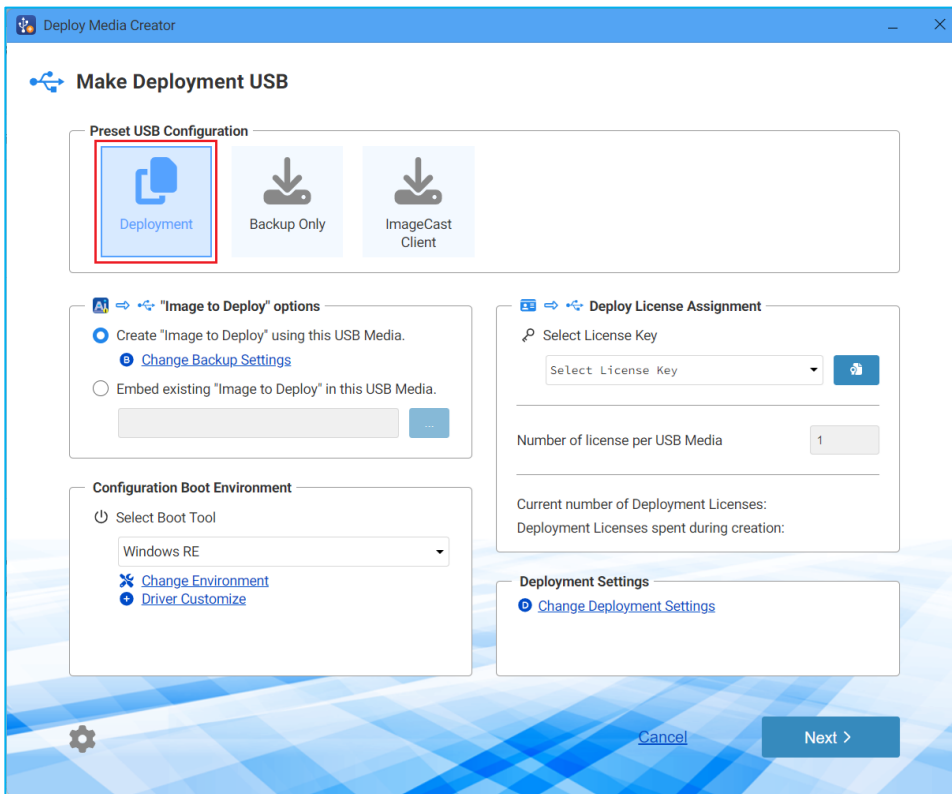
Use the following steps to create Deployment USB media by using Deploy Media Creator installed on your computer.

1. Click [Make Deployment USB] on Deploy Media Creator's console window.



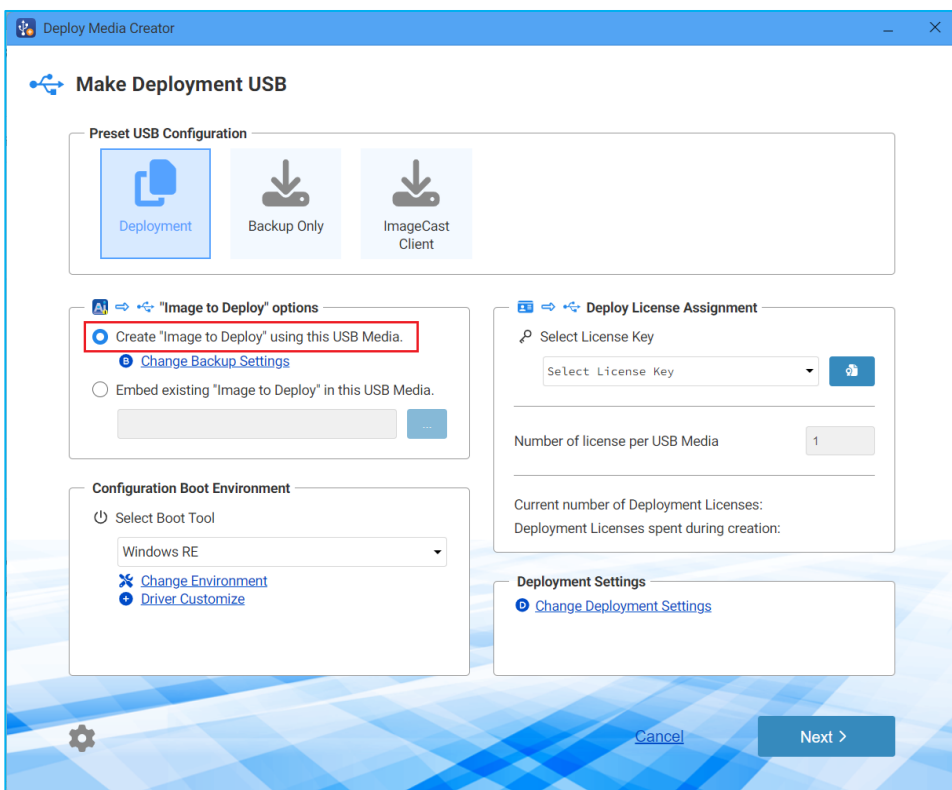
## 2. Preset USB Configuration

When creating Deploy USB Media, click [Deployment].



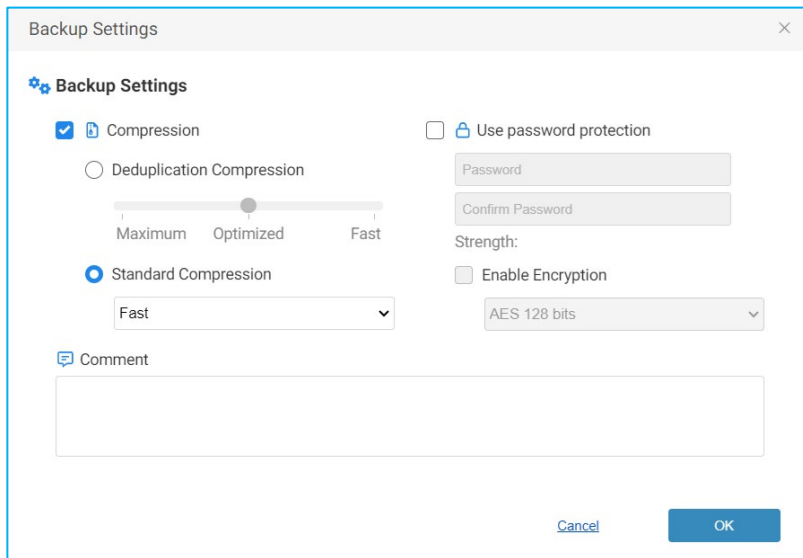
## 3. "Image to Deploy" options

Select [Create "Image to Deploy" using this USB Media] option.



## Create a new Deployment USB Media

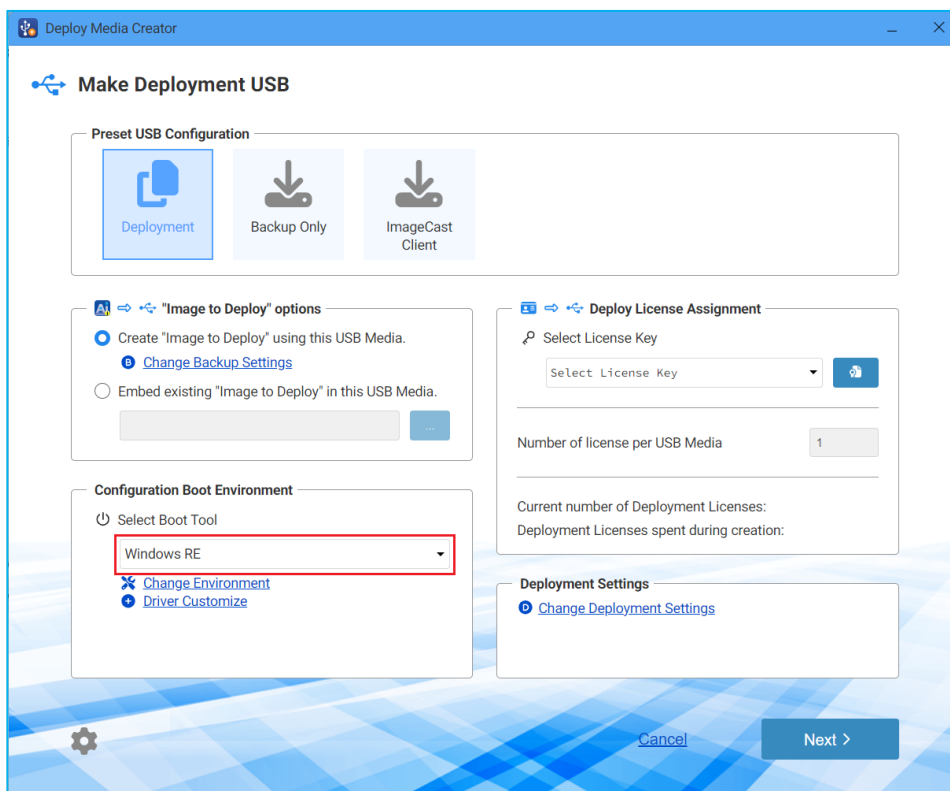
You can select the compression option in [Backup Settings] and the encryption option. You do not need to change the default settings.



The screenshot shows the 'Backup Settings' dialog box. It has a title bar with 'Backup Settings' and a close button. The main area is titled 'Backup Settings' with a gear icon. There are two main sections. The left section is for 'Compression' and is currently checked. It has two radio buttons: 'Deduplication Compression' (unselected) and 'Standard Compression' (selected). Below 'Standard Compression' is a slider with 'Maximum', 'Optimized', and 'Fast' labels, and a dropdown menu set to 'Fast'. The right section is for 'Use password protection' (unchecked) and 'Enable Encryption' (unchecked). It has two password input fields: 'Password' and 'Confirm Password'. Below these is a 'Strength' label and a dropdown menu set to 'AES 128 bits'. At the bottom is a 'Comment' text area. There are 'Cancel' and 'OK' buttons at the bottom right.

### 4. Configure Boot Environment.

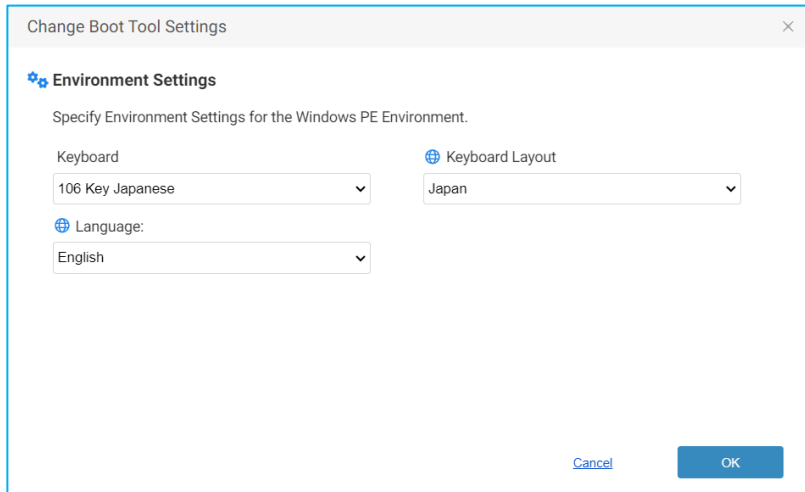
In [Select Boot Tool] on Windows computers, please select [Windows RE] installed as standard in Windows OS. When installing and using Windows PE, an add-on to Windows ADK, please select Windows PE in the pull-down menu.



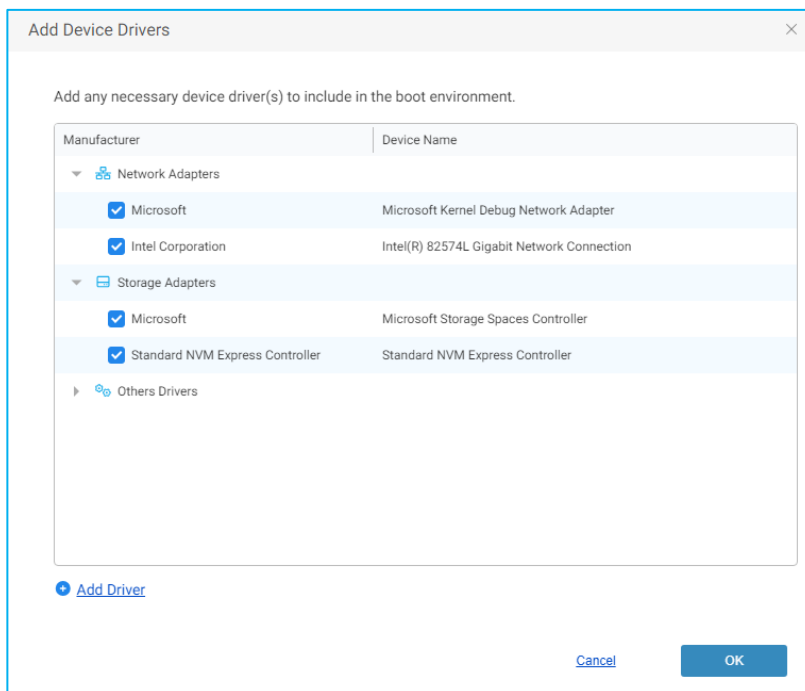
The screenshot shows the 'Deploy Media Creator' window with the 'Make Deployment USB' tab selected. The window has a title bar with 'Deploy Media Creator' and standard window controls. The main area is divided into several sections. The top section is 'Preset USB Configuration' with three buttons: 'Deployment' (selected), 'Backup Only', and 'ImageCast Client'. Below this is the 'Image to Deploy' options section with two radio buttons: 'Create "Image to Deploy" using this USB Media.' (selected) and 'Embed existing "Image to Deploy" in this USB Media.' (unselected). There is a 'Change Backup Settings' link. The 'Configuration Boot Environment' section has a 'Select Boot Tool' dropdown menu with 'Windows RE' selected. There are links for 'Change Environment' and 'Driver Customize'. The 'Deploy License Assignment' section has a 'Select License Key' dropdown menu, a 'Number of license per USB Media' input field set to '1', and labels for 'Current number of Deployment Licenses' and 'Deployment Licenses spent during creation:'. The 'Deployment Settings' section has a 'Change Deployment Settings' link. At the bottom are 'Cancel' and 'Next >' buttons.

## Create a new Deployment USB Media

In [Environment Settings] window, you can select a preferred language.



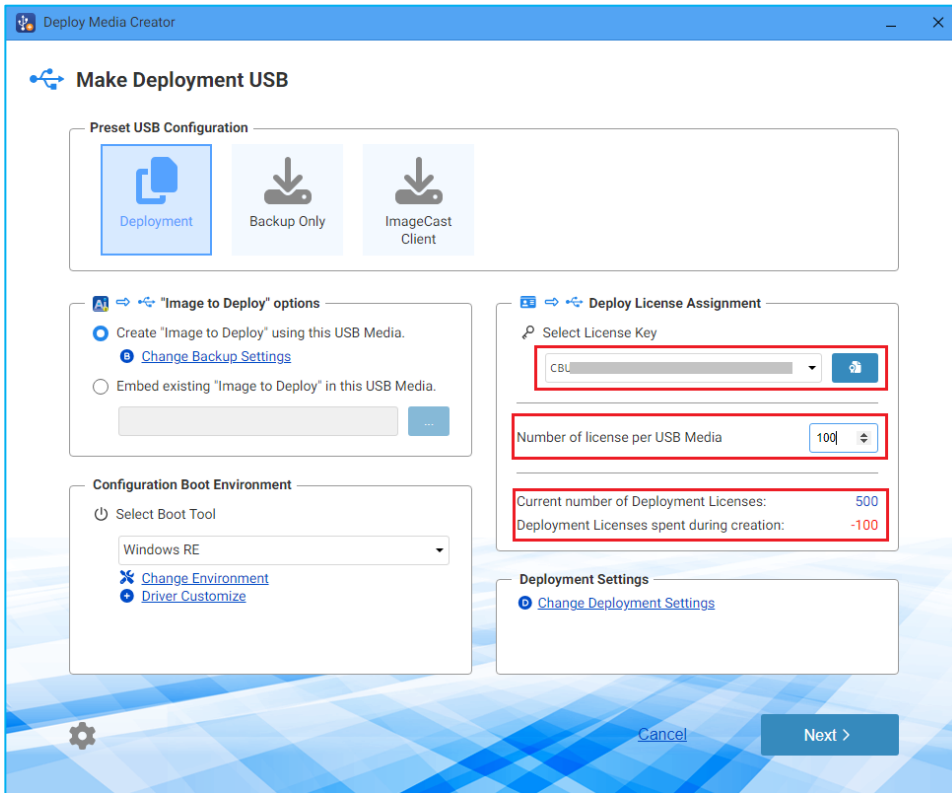
In [Add Device Drivers] window, you can select a driver in the environment where Deploy Media Creator is installed. You can download the driver that does not exist in the environment from the driver maker's Web site and click [Add Driver] to install the driver on the computer.



## Create a new Deployment USB Media

5. Allocate a license to the created Deploy USB media.

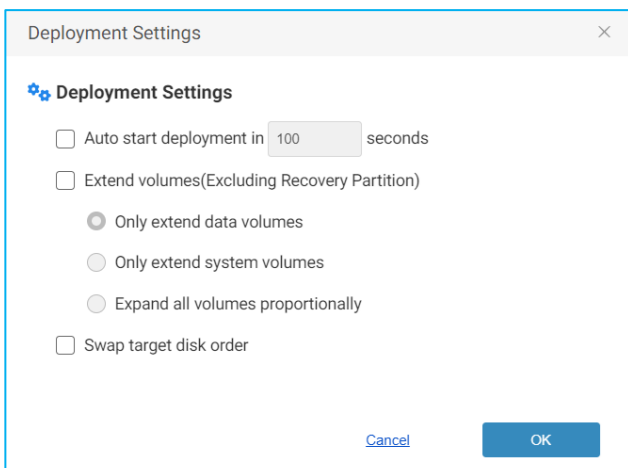
Please allocate a license to the created Deploy USB media. Go to [Select License Key] and select a registered product key from the pull-down menu. Specify the number of deployments per USB media in [Number of license per USB Media], making sure that the specified number is less than the valid number of licenses. For example, when you specify “100” in [Number of license per USB Media], you can consume 100 licenses for the deployments to up to 100 PCs per 1 USB media.



## 6. Deployment Settings

After booting up the PC from Deploy USB media, Deployment process automatically starts after the specified time and you can configure the settings for restore volume in enlarged size. For example, create a source image in HDD/SSD of small space, while the deploy target HDD/SSD has large space, extended restore can be performed to drive C only, drive D only, or drive C and drive D in equal proportions.

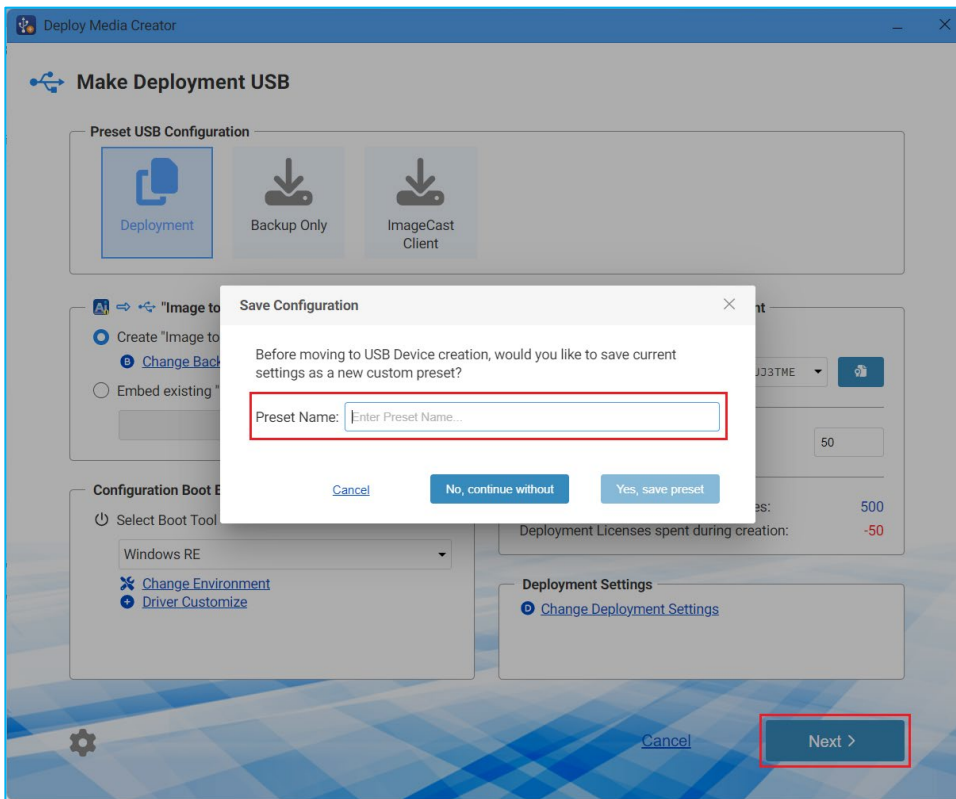
No special settings are required for general use.



## Create a new Deployment USB Media

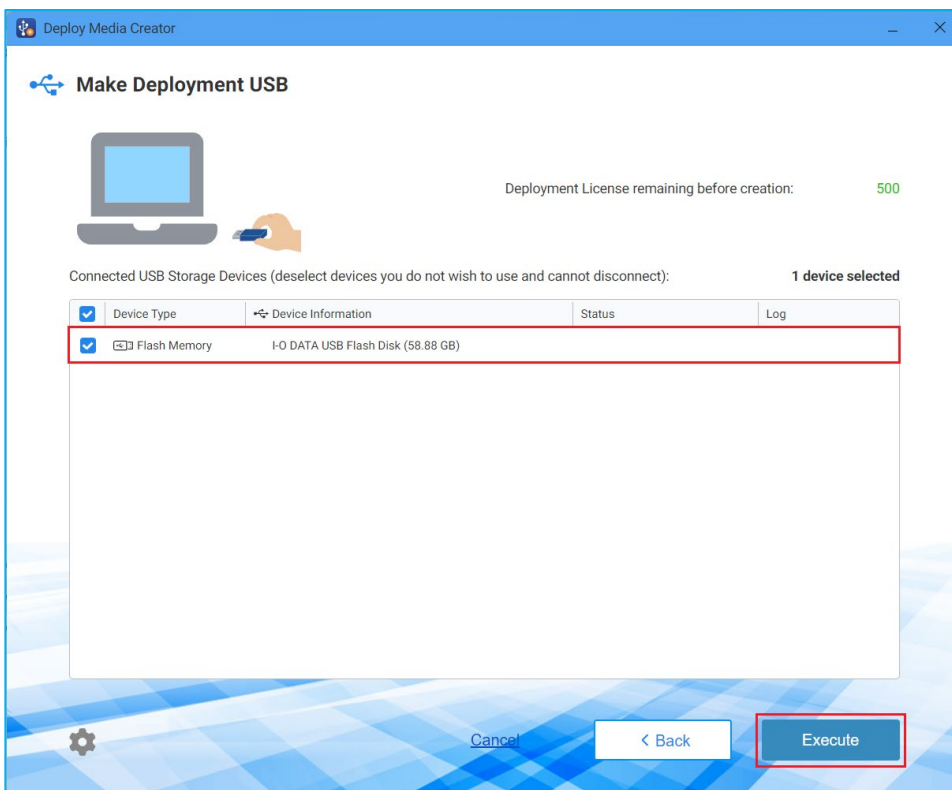
### 7. Save Configuration

Click [Next]. The following message prompts you to answer whether you want to save the settings. If you want to save the setting as a custom preset, please enter the preset name and click [Yes, save preset] button.



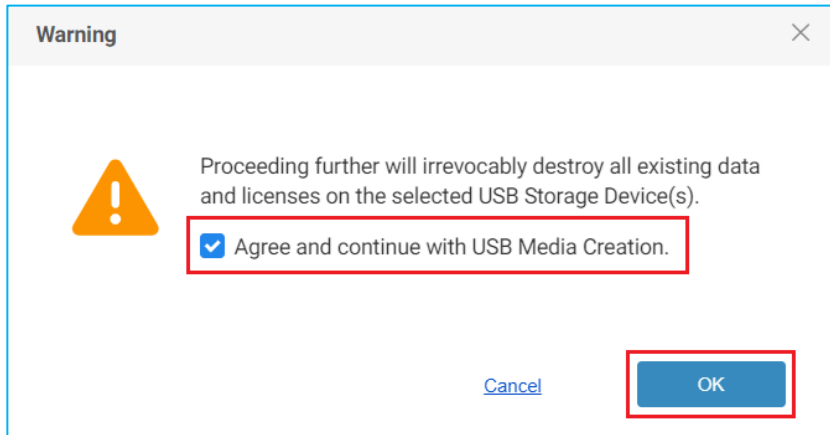
### 8. Make Deployment USB

Select the USB media and click [Execute]. The Warning message will be displayed.

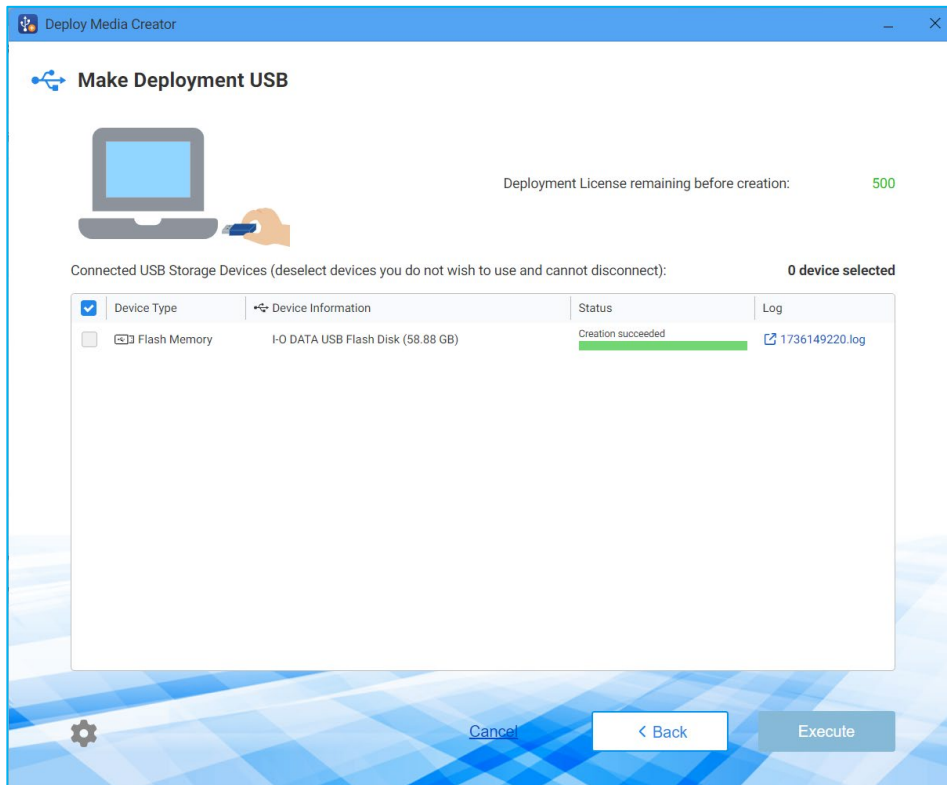


## Create a new Deployment USB Media

9. If you agree, check in the checkbox for [Agree and continue with USB Media Creation] and click [OK].



10. When [Creation succeeded] is displayed in Status, Deploy USB media is successfully created. You can use the created Deploy USB media to create a source image.





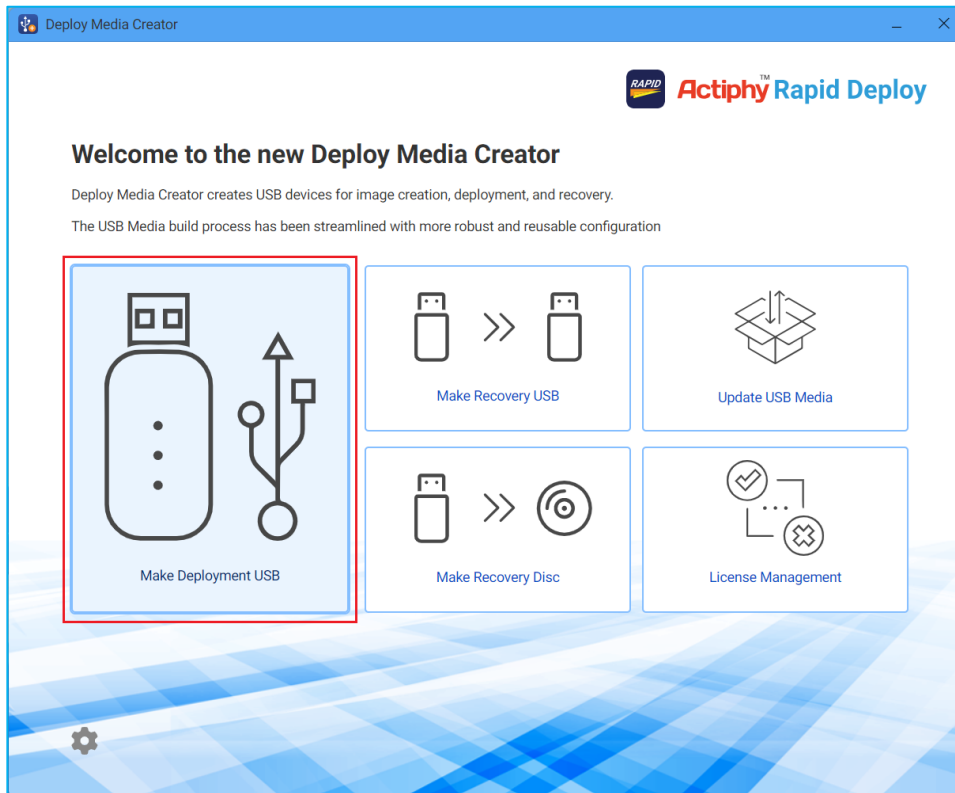
## 5. Create ImageCast Client Media

“ImageCast Client Media” is a boot media specially designed for target client PCs to automate the booting and connection processes with an ImageCast Server, the distribution server.

Use the following steps to create ImageCast Client Media from Deploy Media Creator installed on the computer.

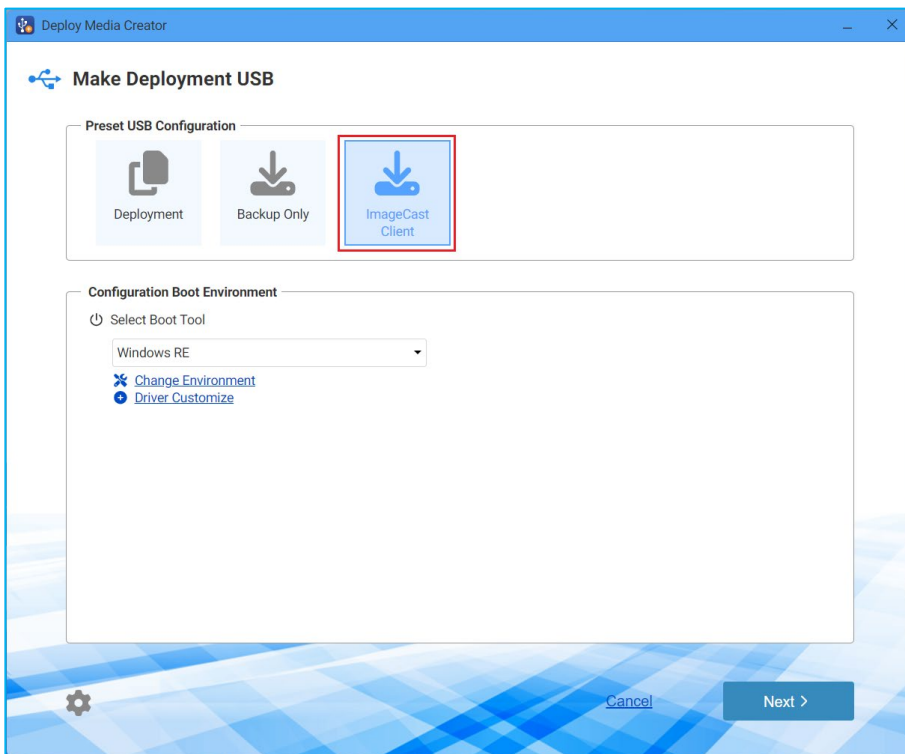
\*When deploying a source image by using network boot system, ImageCast client media is not required to create.

1. In Deploy Media Creator window, click [Make Deployment USB].



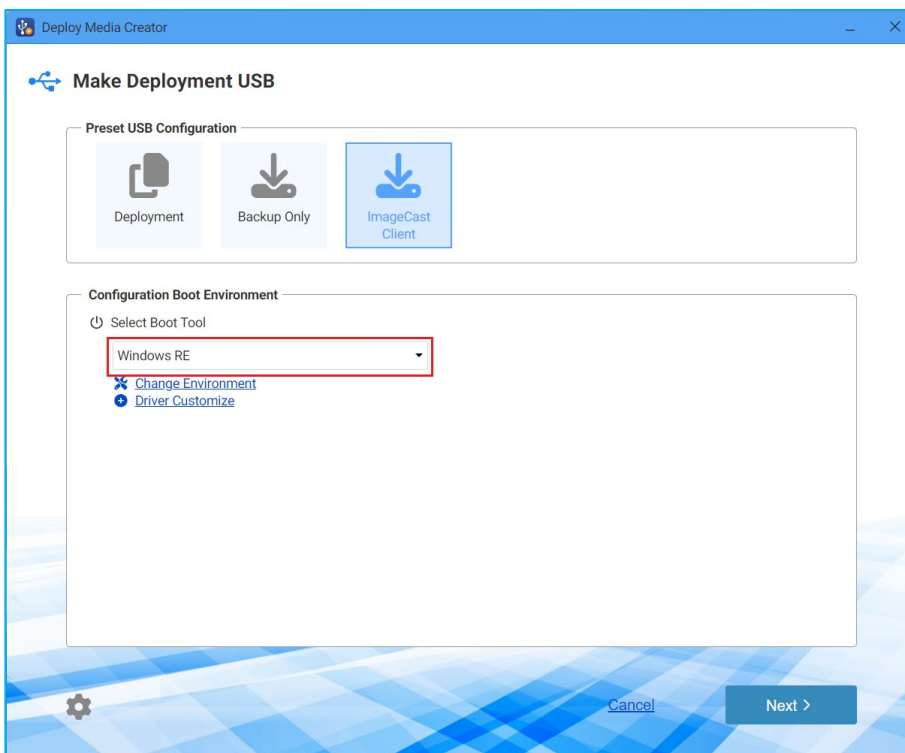
## 2. Preset USB Configuration

When creating “ImageCast Client Media”, click [ImageCast Client].

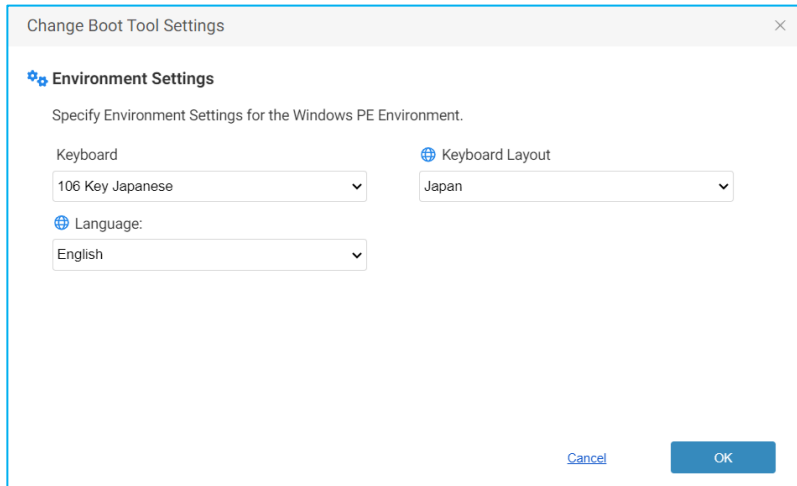


## 3. Configuration Boot Environment

When using a Windows computer, please select [Windows RE] installed by default in Windows under [Select Boot Tool]. When have installed Windows PE, an add-on to Windows ADK, please select Windows PE in the pull-down menu.

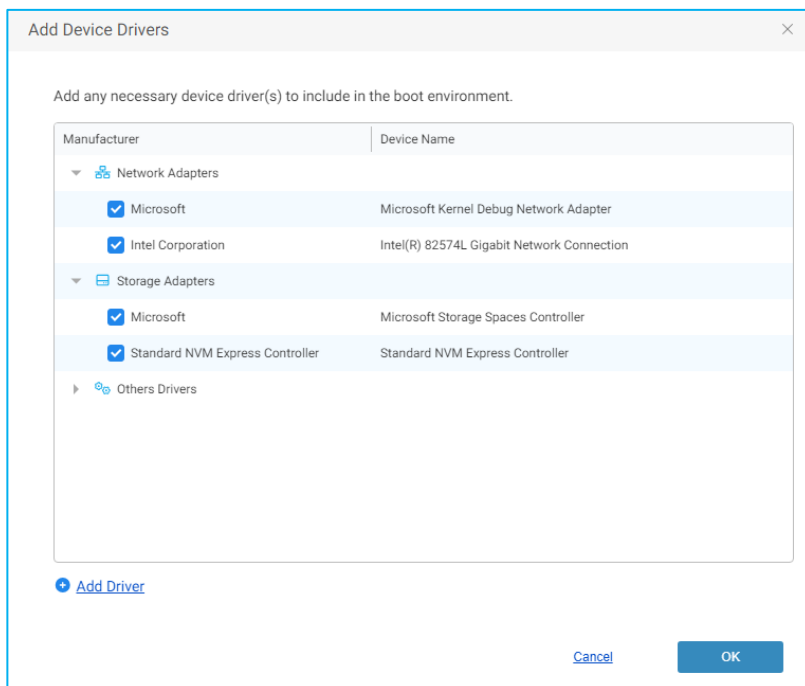


In [Change Boot Tool Settings] window, you can select a preferred language.



The 'Change Boot Tool Settings' dialog box has a title bar with a close button. Below the title bar is a section titled 'Environment Settings' with a gear icon. Under this section, it says 'Specify Environment Settings for the Windows PE Environment.' There are three dropdown menus: 'Keyboard' (set to '106 Key Japanese'), 'Keyboard Layout' (set to 'Japan'), and 'Language:' (set to 'English'). At the bottom right, there are 'Cancel' and 'OK' buttons.

In [Add Device Drivers] window, you can select a driver in the environment where Deploy Media Creator is installed. You can download the driver that does not exist in the environment from the driver maker's Web site and click [Add Driver] to install on the computer.

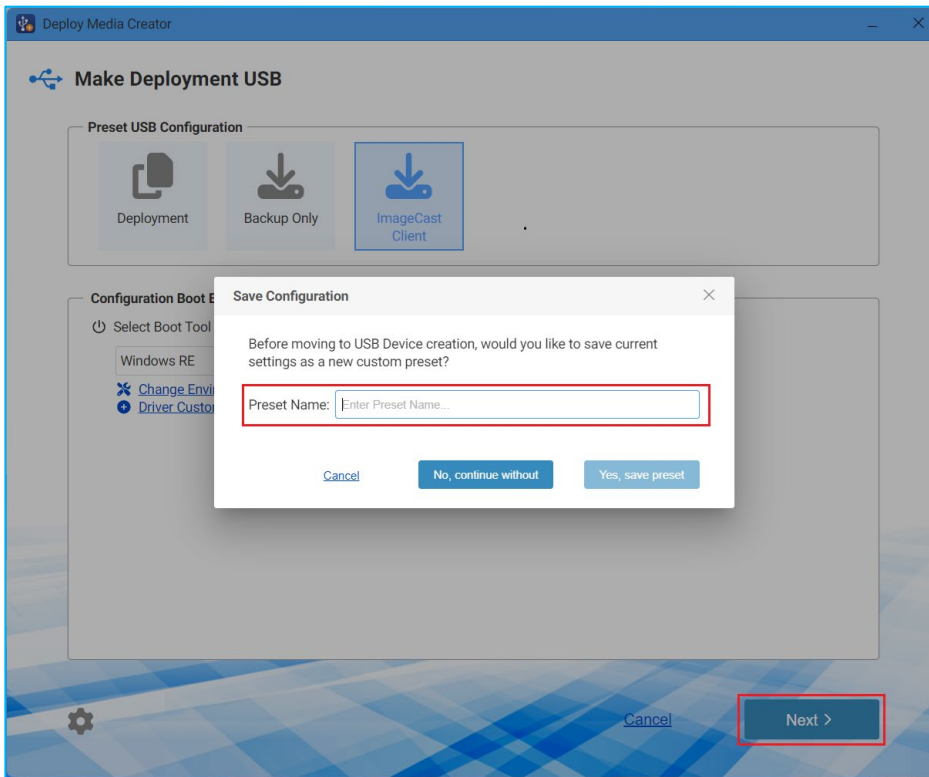


The 'Add Device Drivers' dialog box has a title bar with a close button. Below the title bar, it says 'Add any necessary device driver(s) to include in the boot environment.' There is a table with two columns: 'Manufacturer' and 'Device Name'. The table is divided into sections: 'Network Adapters' (with 'Microsoft' and 'Intel Corporation' checked), 'Storage Adapters' (with 'Microsoft' and 'Standard NVM Express Controller' checked), and 'Others Drivers' (which is currently empty). At the bottom left, there is a '+ Add Driver' button. At the bottom right, there are 'Cancel' and 'OK' buttons.

Manufacturer	Device Name
<b>Network Adapters</b>	
<input checked="" type="checkbox"/> Microsoft	Microsoft Kernel Debug Network Adapter
<input checked="" type="checkbox"/> Intel Corporation	Intel(R) 82574L Gigabit Network Connection
<b>Storage Adapters</b>	
<input checked="" type="checkbox"/> Microsoft	Microsoft Storage Spaces Controller
<input checked="" type="checkbox"/> Standard NVM Express Controller	Standard NVM Express Controller
<b>Others Drivers</b>	

### 4. Save Configuration

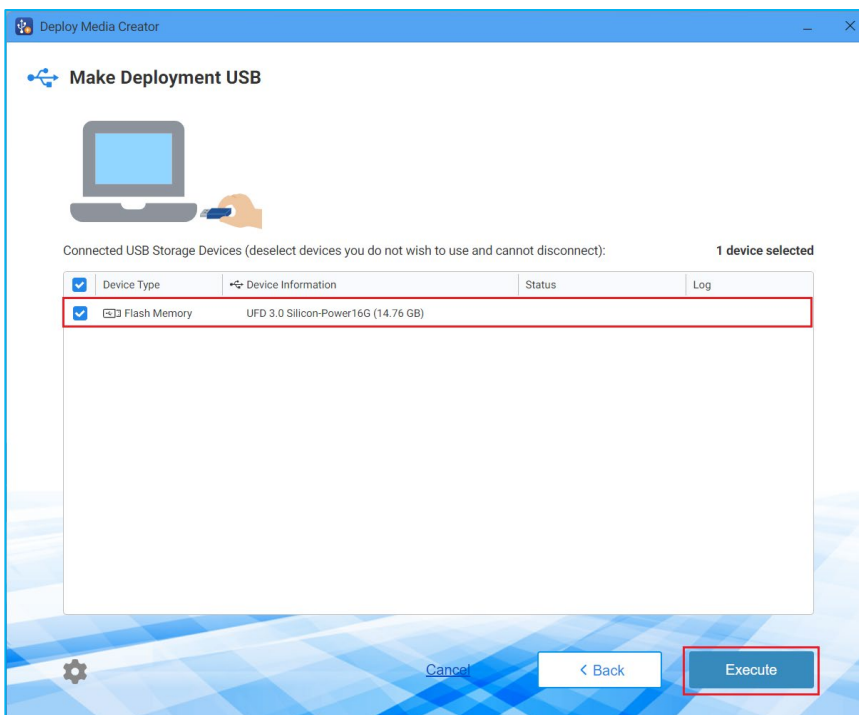
Click [Next]. The following message prompts you to answer whether you want to save the settings. If you want to save the setting as a custom preset, please enter the preset name and click [Yes, save preset] button.



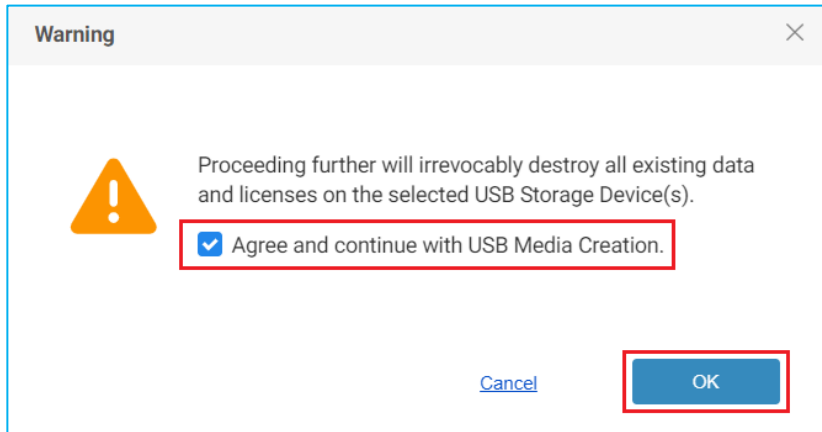
### 5. Make ImageCast client media

Select the USB media and click [Execute]. The Warning message will be displayed.

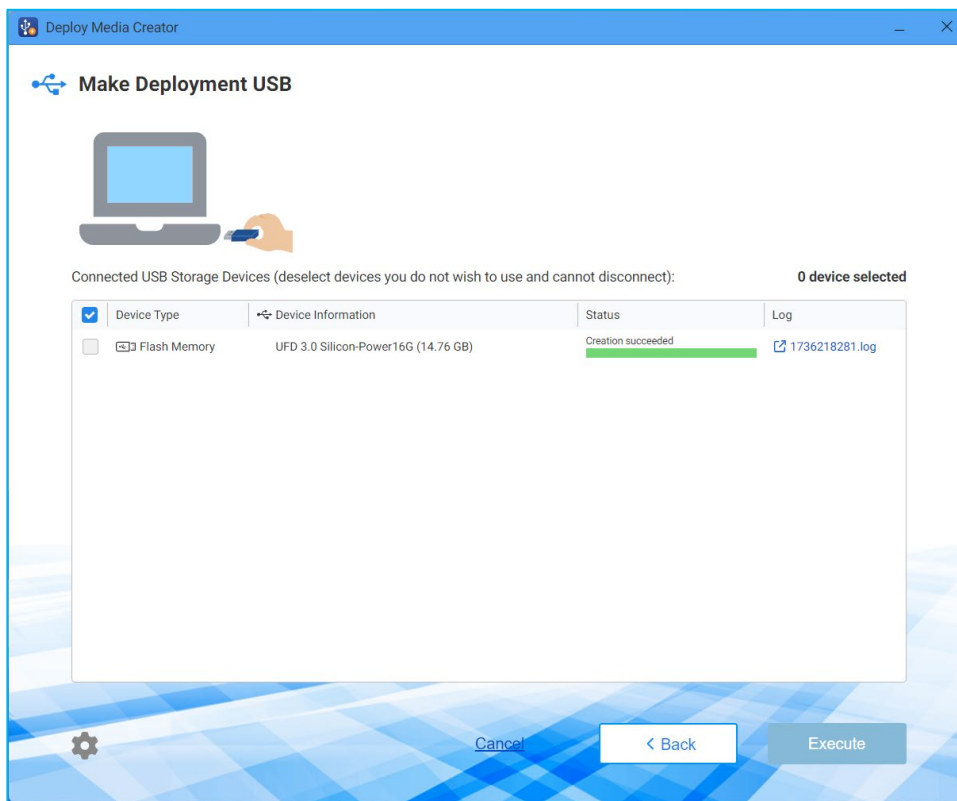
Multiple number of USB media may be connected to create multiple number of ImageCast client media at a time



6. If you agree, check in the checkbox for [Agree and continue with USB Media Creation] and click [OK].



7. When [Creation succeeded] is displayed in Status, ImageCast client media is successfully created.



## 6. Create a source image

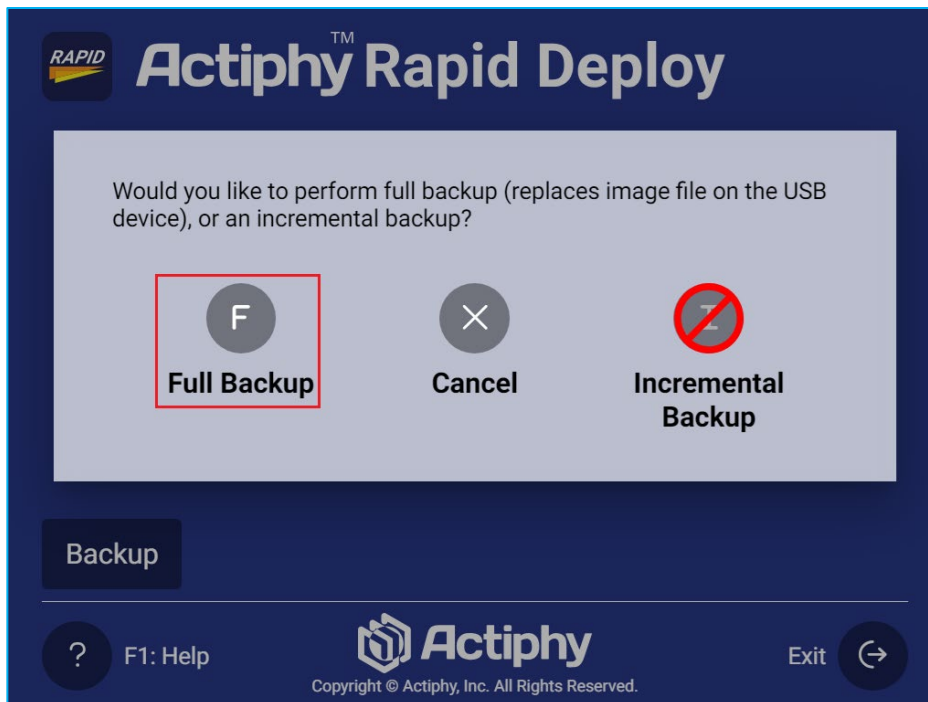
Use the following steps to create a source image of a preconfigured PC.

1. Boot up the source computer from the created Deploy USB media.

At the initial start-up, click [Backup].



2. Click [Full Backup].

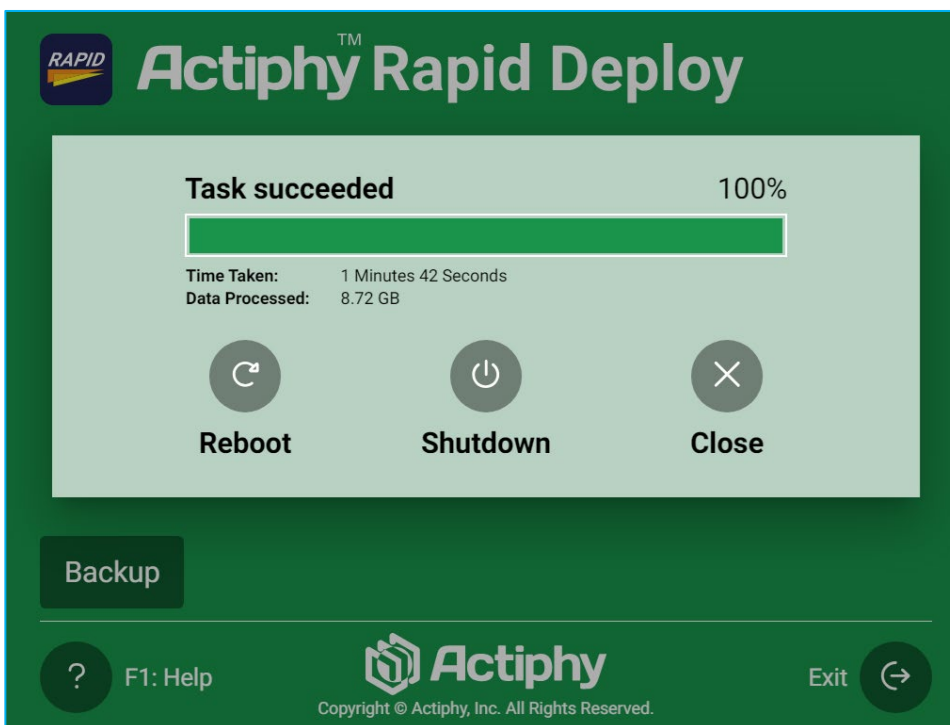


### Create a source image

- When the process of creating a source image starts, a progress bar of the active running task is displayed. The source image is created in the second volume of the Deploy USB media.



- When the progress of creating the source image completes and the progress bar reaches 100%, the console is colored in green. The source image is created.



## 7. Deploy Source Image

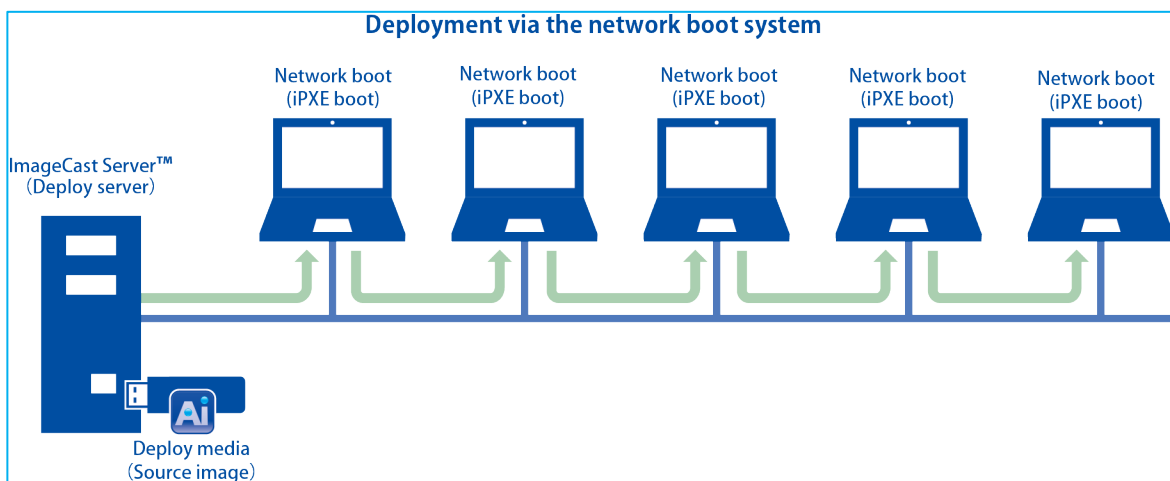
### 7-1. Actiphy Rapid Deploy Deployment Method

Actiphy Rapid Deploy provides “network multicast distribution” and “deployment to standalone PCs” options. Network multicast distribution enables to deploy a backup source image to client PCs via the network boot system or booting the client PC from client boot media.

#### 1. Deployment via the network boot system

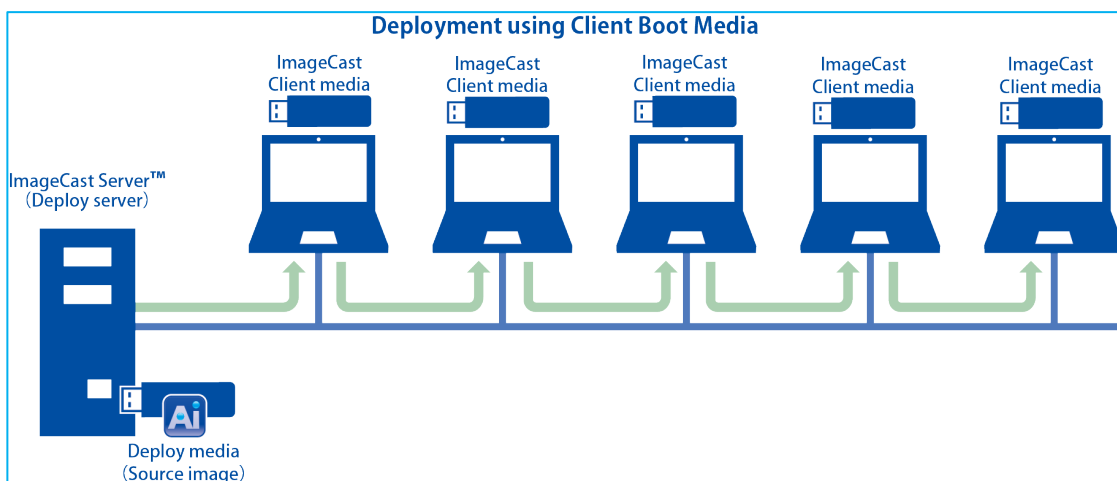
Boot up ImageCast client PCs from a network boot that comes standard with the NIC, and connect to ImageCast Server, distribution server, from the client PC. This provides the environment ready for constant use to deploy a source image to many PCs periodically.

\*The Actiphy Rapid Deploy’s network boot of client PCs enables high-speed network boot using “iPXE”, enhancement from PXE feature.



#### 2. Deployment using Client Boot Media

Boot up ImageCast client PCs from “ImageCast client media”, client boot media, connect to ImageCast Server from the client PC and deploy the source image to the client PCs. When the client PCs do not support the network boot iPXE or PXE, please use this feature.

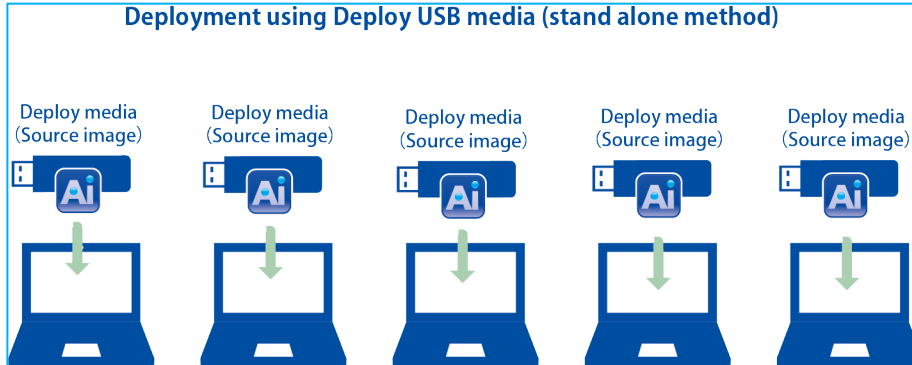




## Deploy Source Image

### 3. Deployment using Deploy USB media

The use of Deploy USB media (equivalent to the predecessor product ActiveImage Deploy USB) enables to boot up ImageCast client PCs and deploy the source image to the client PCs. This eliminates the need for distribution sever or networking devices as long as there is a power source.

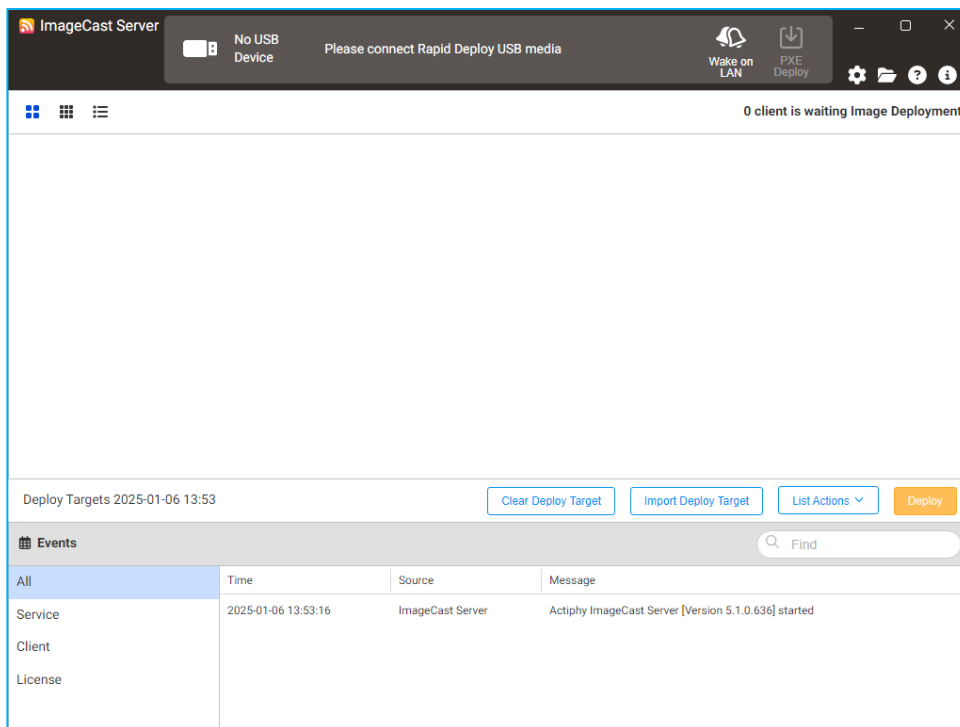


## 7.2 Deployment using network boot

Use the following steps to deploy a source image of a preconfigured PC to client PCs by using the Actiphy Rapid Deploy's network boot system.

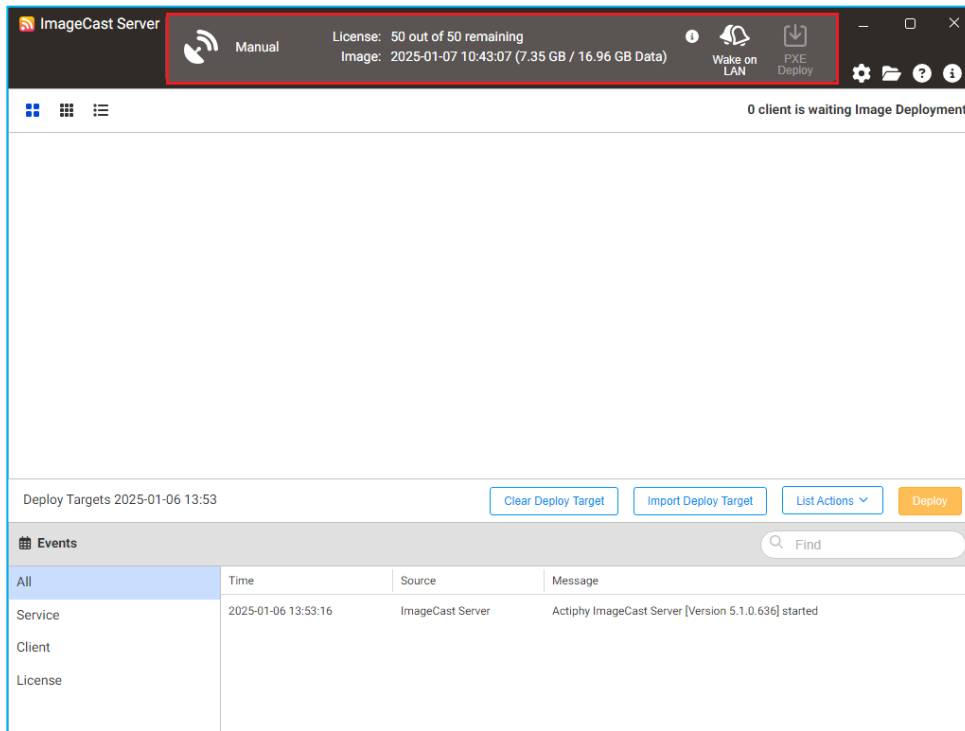
### 1. Boot up ImageCast Server

Go to Windows Start menu and click [Actiphy] → [ImageCast Server]. Or, click [ImageCast Server] icon on your desktop. Once the ImageCast Server's console window is launched, connect Deploy USB Media embedded with the created source image to the server.

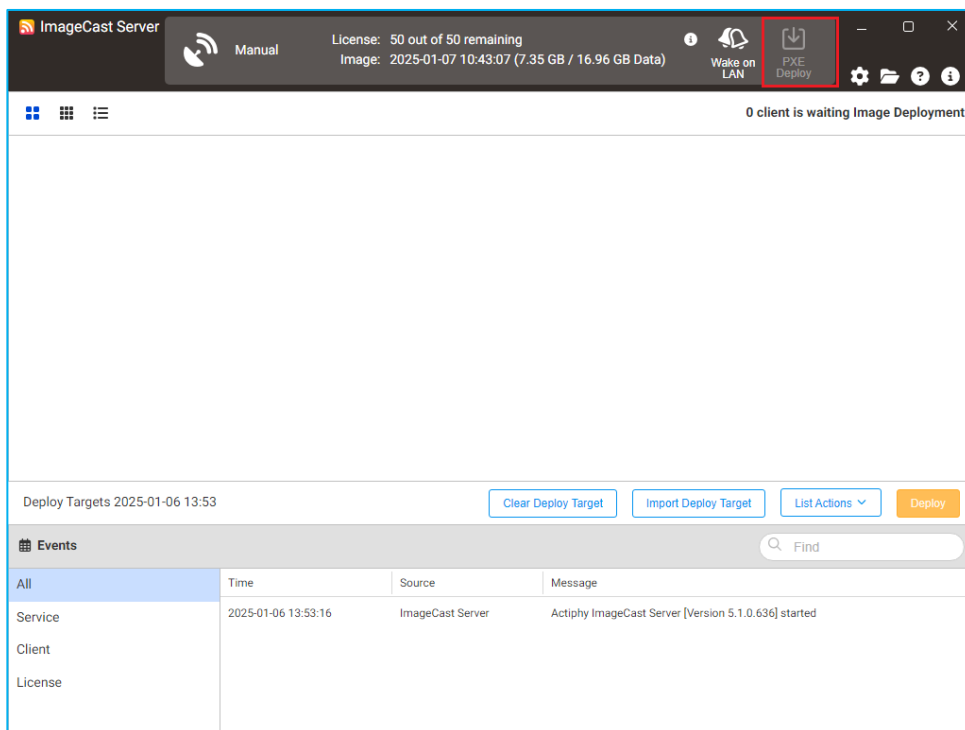


## Deploy Source Image

2. Deploy USB Media is automatically connected to ImageCast Server and the number of licenses allocated to the Deploy USB Media and the information of the source image is displayed.

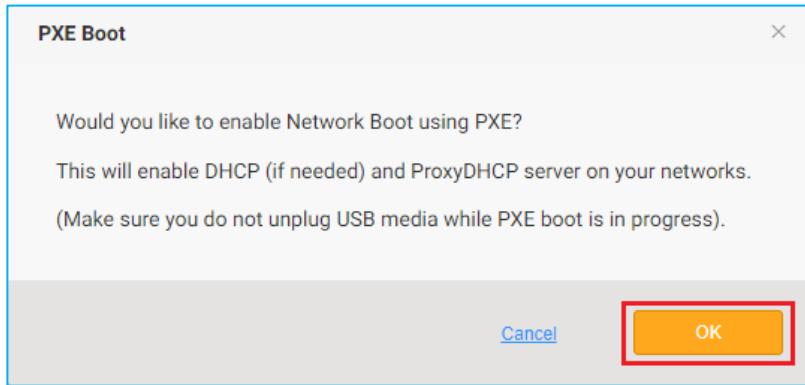


3. Click [PXE Deploy] and PXE server boots up.



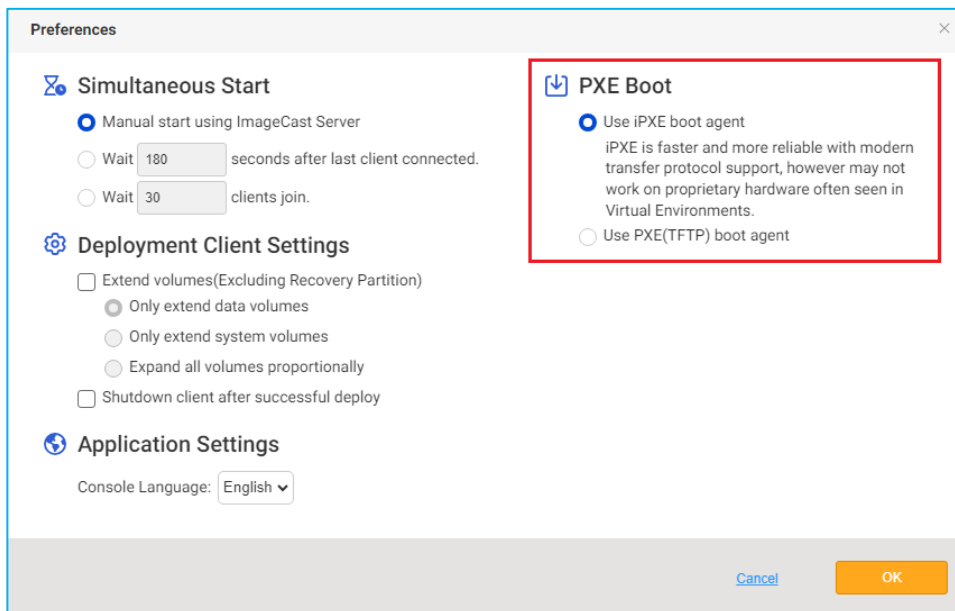
## Deploy Source Image

4. Click on [OK] on the confirmation dialog and PXE server and DHC server are enabled.



5. Preference

Click [⚙️] button at the upper right on the console window. You can edit the settings for Preference. Select [Use iPXE boot agent] for [PXE Boot]. By default, [Use iPXE boot agent], extension of the traditional PXE feature, is enabled. When the client PC does not support the iPXE, please select [PXE Boot].



## Deploy Source Image

### 6. Boot up ImageCast client computer

Connect the target client PC to network and run network boot system.

The distribution server, ImageCast Server, is automatically detected to connect. When the connection to ImageCast Server is established, [Connected] is indicated on the client PC.

```
Getting IP and MAC ...
IP: 169.254.227.6, Mac: 00:0C:29:BB:CA:63
Discovering
Connected to ImageCast server 169.254.227.169
Connected
```

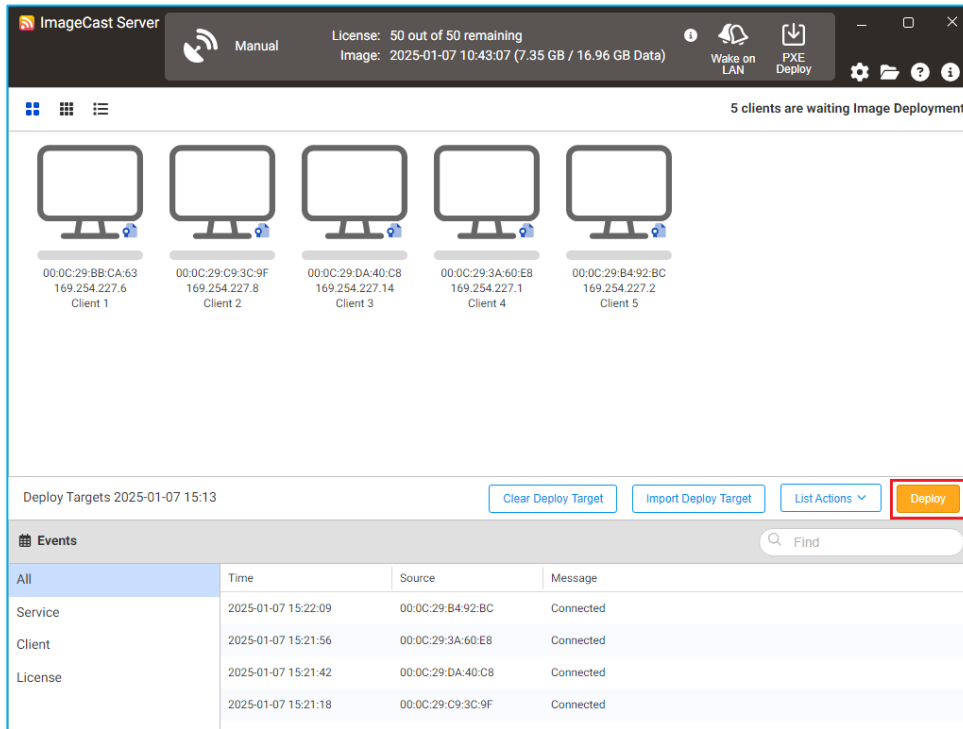
### 7. In ImageCast Server's console, the connected client PC's are displayed. You can monitor the connected PC by checking the MAC address.

The screenshot displays the ImageCast Server web interface. At the top, a dark header bar contains the 'ImageCast Server' logo, a 'Manual' link, license information ('License: 50 out of 50 remaining', 'Image: 2025-01-07 10:43:07 (7.35 GB / 16.96 GB Data)'), and icons for 'Wake on LAN' and 'PXE Deploy'. Below the header, a status bar indicates '1 client is waiting Image Deployment'. The main area features a large monitor icon representing the client, with its MAC address '00:0C:29:BB:CA:63', IP address '169.254.227.6', and label 'Client 1' displayed below it. A red rectangle highlights this client information. At the bottom, a section titled 'Deploy Targets 2025-01-07 15:13' includes buttons for 'Clear Deploy Target', 'Import Deploy Target', 'List Actions', and 'Deploy'. Below this is an 'Events' table with a search bar and a table listing system events.

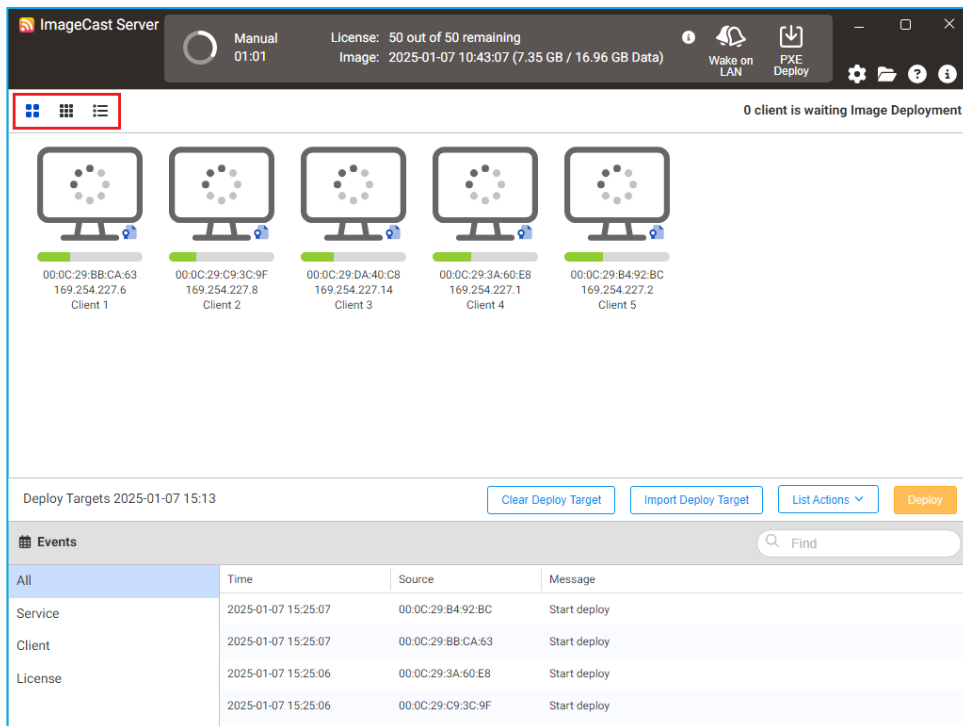
	Time	Source	Message
Service	2025-01-07 15:15:30	00:0C:29:BB:CA:63	Connected
Client	2025-01-07 15:14:11	ImageCast Server	PXE service started for NIC Ethernet0 (169.254.227.169)
License	2025-01-07 15:13:26	ImageCast Server	Actiphy ImageCast Server [Version 5.1.0.636] started

## Deploy Source Image

8. When the connection to every target client PCs is established, click [Deploy].

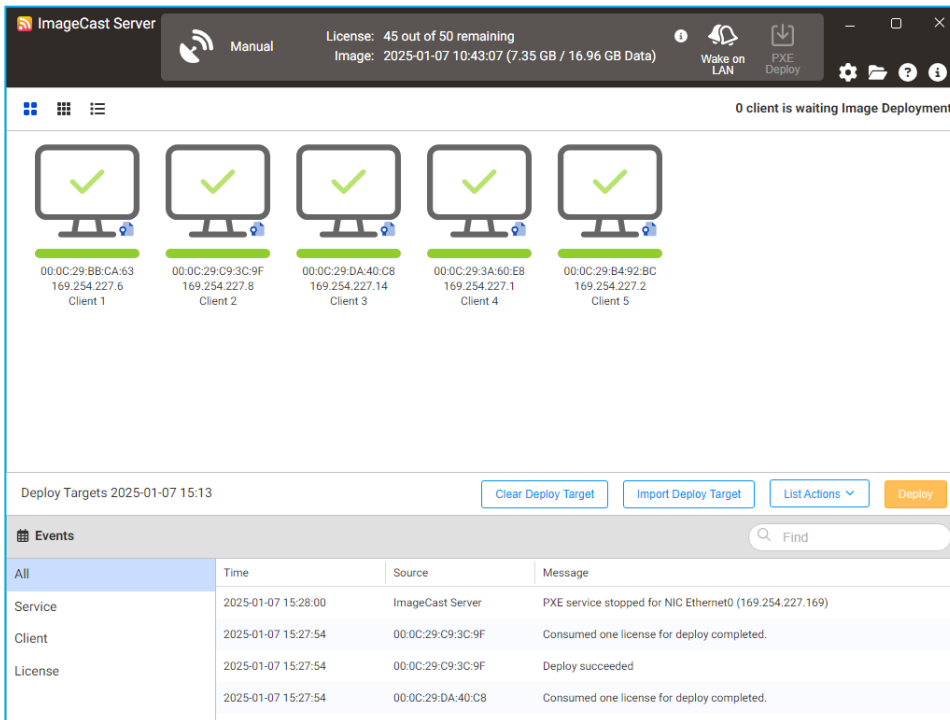


9. The progress of deployment to the respective client PCs is displayed. Click on the marks at the upper left on the console. The client PC screen can be reduced in size or displayed in a list.

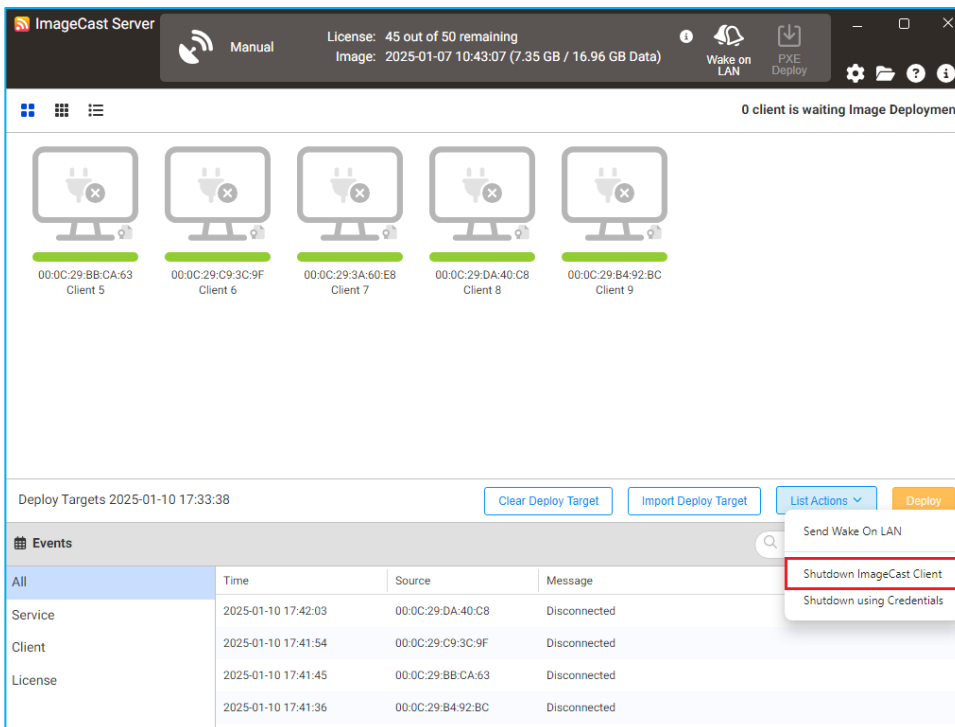


## Deploy Source Image

10. When the green check mark [✓] is displayed in the screen of the client PC, the deployment process has completed.

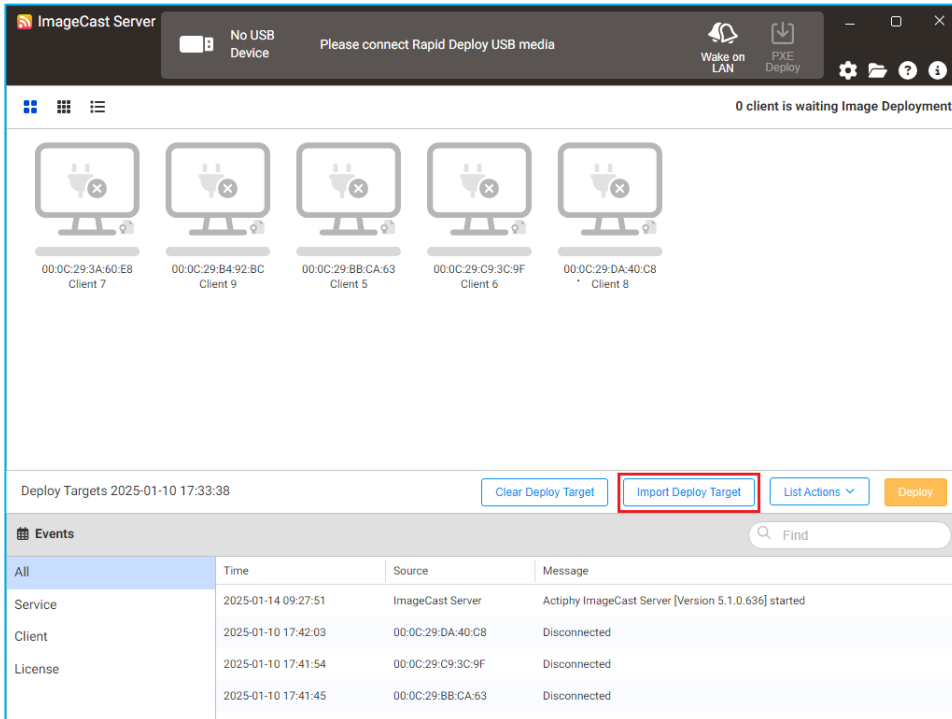


11. Select [Shutdown ImageCast Client] in the pull-down menu of [List Action] at center right of the console, and shutdown the client PC. This is the end of the source image deployment operation by using network boot.

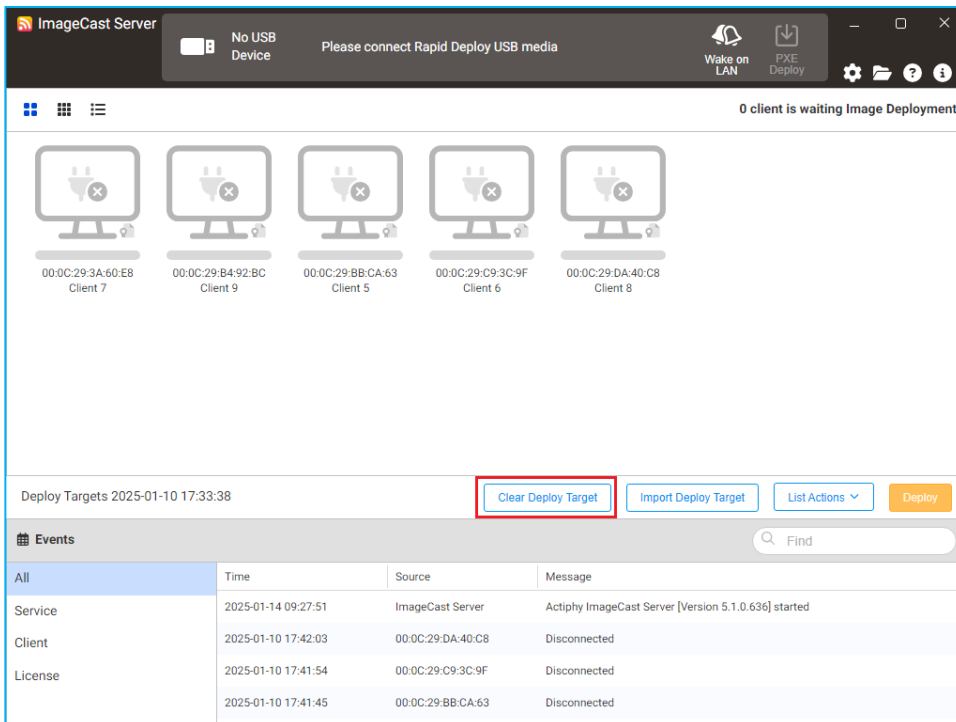


## Deploy Source Image

12. [Import Deploy Target] enables to import the deployment target list from the Deploy Media, the list of the target PCs to which the source image was deployed in the past. You can select [Wake on LAN], [Shutdown ImageCast client] and shutdown Windows system using the credential information.



13. [Clear Deploy Target] purges the current deploy target list and recreate the new deploy target list. You can define the list name and comments when recreating the list.



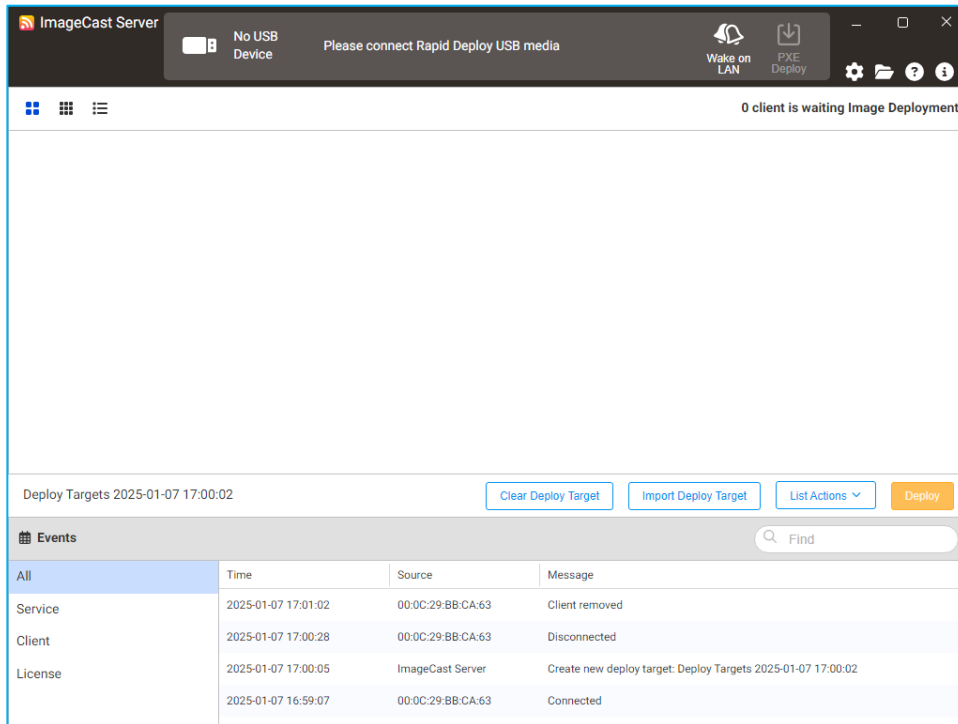
## Deploy Source Image

### 7.3. Deploy a source image by using ImageCast client boot media

Use the following steps to deploy a source image by using ImageCast Client Media of Actiphy Rapid Deploy.

#### 1. Boot up ImageCast Server

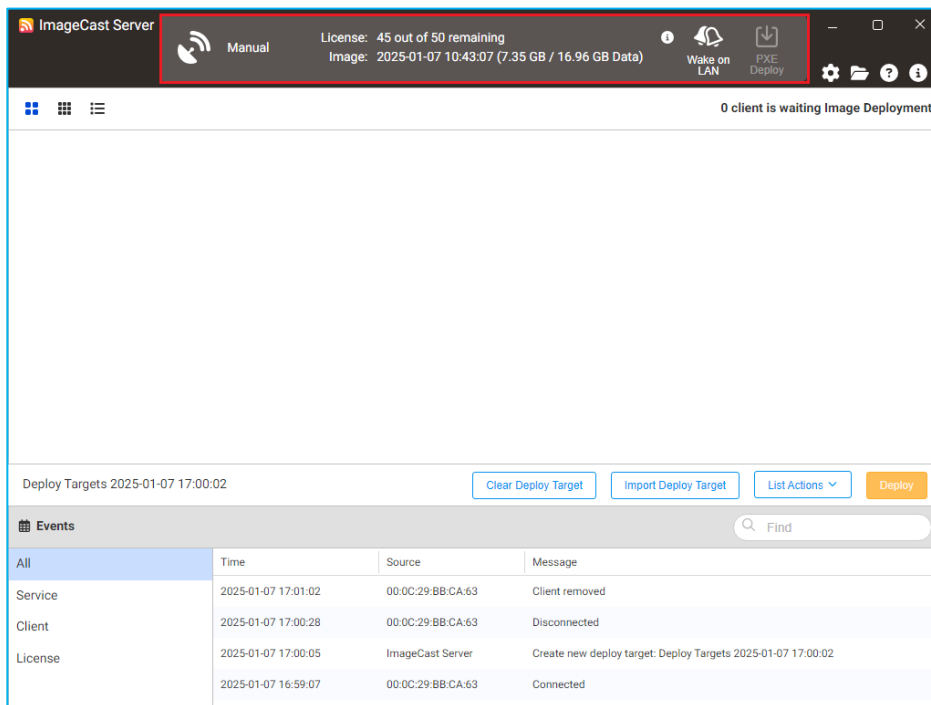
Go to Windows Start menu and then navigating to [Actiphy] → [ImageCast Server]. Or, click [ImageCast Server] icon on your desktop. Once the ImageCast Server's console window is launched, connect Deploy USB Media embedded with the created source image to the server.





## Deploy Source Image

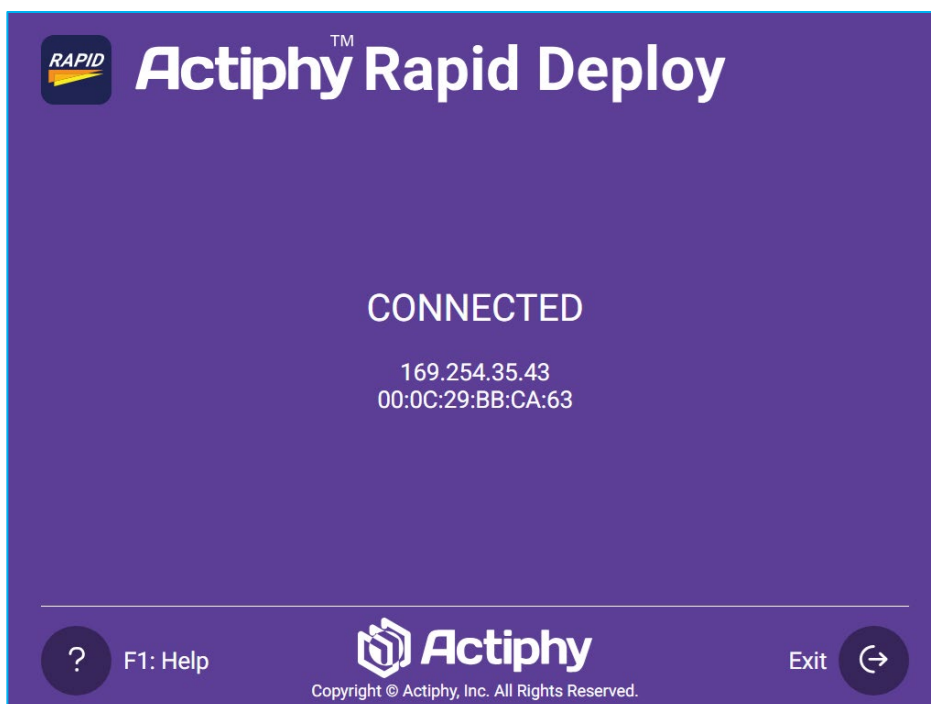
2. Deploy USB Media is automatically connected to ImageCast Server and the number of licenses allocated to the Deploy USB Media and the information of the source image is displayed.



3. Boot up client PC

Connect the target client PC to network and boot up client PC from ImageCast client media. The distribution server, ImageCast Server, is automatically detected and connected. When the connection to ImageCast Server is established, [CONNECTED] is displayed on the client PC's screen.

\*When the connection to ImageCast Server is established, the ImageCast client media can be removed.



## Deploy Source Image

- The connected client PC is displayed on ImageCast Server console. You can monitor the connected PC by checking the MAC address.

The screenshot shows the ImageCast Server interface. At the top, the status bar indicates 'License: 45 out of 50 remaining' and 'Image: 2025-01-07 10:43:07 (7.35 GB / 16.96 GB Data)'. A notification icon shows '1 client is waiting Image Deployment'. Below this, a single client icon is displayed with the MAC address '00:0C:29:BB:CA:63' and IP address '169.254.35.43', labeled 'Client 23'. At the bottom, the 'Events' table shows the following data:

	Time	Source	Message
Service	2025-01-07 17:15:00	00:0C:29:BB:CA:63	Connected
Client	2025-01-07 17:01:02	00:0C:29:BB:CA:63	Client removed
License	2025-01-07 17:00:28	00:0C:29:BB:CA:63	Disconnected
	2025-01-07 17:00:05	ImageCast Server	Create new deploy target: Deploy Targets 2025-01-07 17:00:02

- When the connection to the every target client PCs is established, click [Deploy].

The screenshot shows the ImageCast Server interface with five clients waiting for deployment. The status bar indicates 'License: 45 out of 50 remaining' and 'Image: 2025-01-07 10:43:07 (7.35 GB / 16.96 GB Data)'. A notification icon shows '5 clients are waiting Image Deployment'. Below this, five client icons are displayed with their respective MAC and IP addresses, labeled 'Client 23' through 'Client 27'. At the bottom, the 'Events' table shows the following data:

	Time	Source	Message
Service	2025-01-07 17:48:18	00:0C:29:B4:92:BC	Connected
Client	2025-01-07 17:43:09	00:0C:29:DA:40:C8	Connected
License	2025-01-07 17:38:02	00:0C:29:3A:60:E8	Connected
	2025-01-07 17:31:41	00:0C:29:C9:3C:9F	Connected

## Deploy Source Image

6. The progress of deployment to the respective client PCs is displayed. Click on the marks at the upper left on the console. The client PC screens can be reduced in size or the client PCs are displayed in a list.

ImageCast Server Manual 01:24 License: 45 out of 50 remaining Image: 2025-01-07 10:43:07 (7.35 GB / 16.96 GB Data) Wake on LAN PXE Deploy

0 client is waiting Image Deployment

Deploy Targets 2025-01-07 17:00:02 Clear Deploy Target Import Deploy Target List Actions Deploy

Events Find

All	Time	Source	Message
Service	2025-01-07 17:52:03	00:0C:29:B4:92:BC	Start deploy
Client	2025-01-07 17:52:03	00:0C:29:3A:60:E8	Start deploy
License	2025-01-07 17:52:03	00:0C:29:C9:3C:9F	Start deploy
	2025-01-07 17:52:02	00:0C:29:BB:CA:63	Start deploy

7. When the green check mark [✓] is displayed in the screen of the client PC, the deployment process has completed.

ImageCast Server Manual License: 40 out of 50 remaining Image: 2025-01-07 10:43:07 (7.35 GB / 16.96 GB Data) Wake on LAN PXE Deploy

0 client is waiting Image Deployment

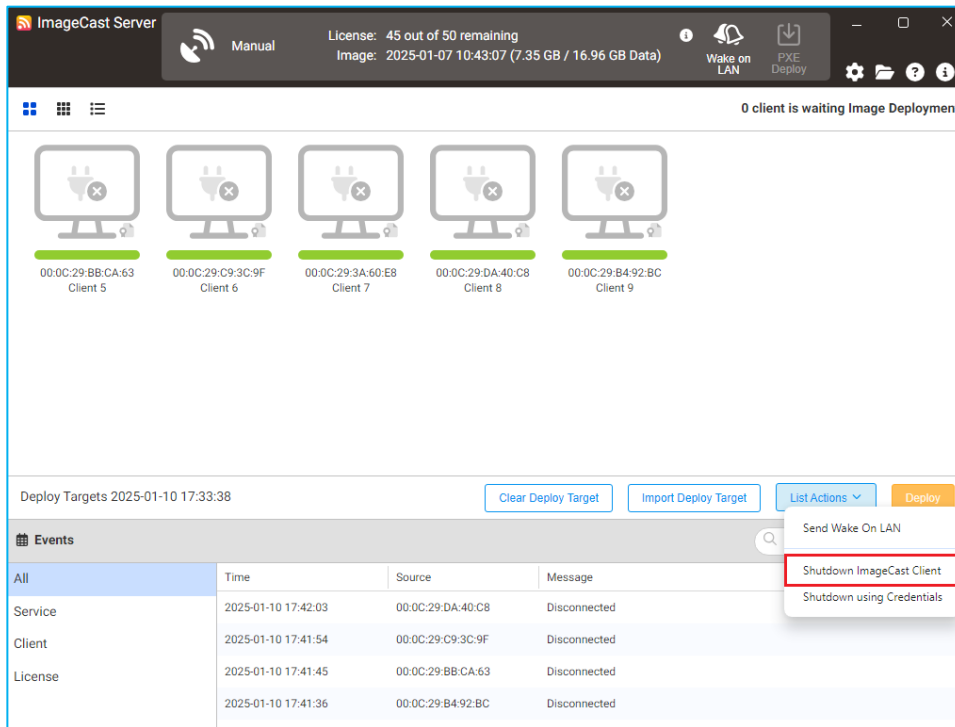
Deploy Targets 2025-01-07 17:00:02 Clear Deploy Target Import Deploy Target List Actions Deploy

Events Find

All	Time	Source	Message
Service	2025-01-07 17:55:46	00:0C:29:C9:3C:9F	Consumed one license for deploy completed.
Client	2025-01-07 17:55:46	00:0C:29:C9:3C:9F	Deploy succeeded
License	2025-01-07 17:55:45	00:0C:29:DA:40:C8	Consumed one license for deploy completed.
	2025-01-07 17:55:45	00:0C:29:DA:40:C8	Deploy succeeded

## Deploy Source Image

8. Select [Shutdown ImageCast Client] in the pull-down menu of [List Action] at the center right of the console, and shut down the client PC. This is the end of the source image deployment operation by using ImageCast Client Media.

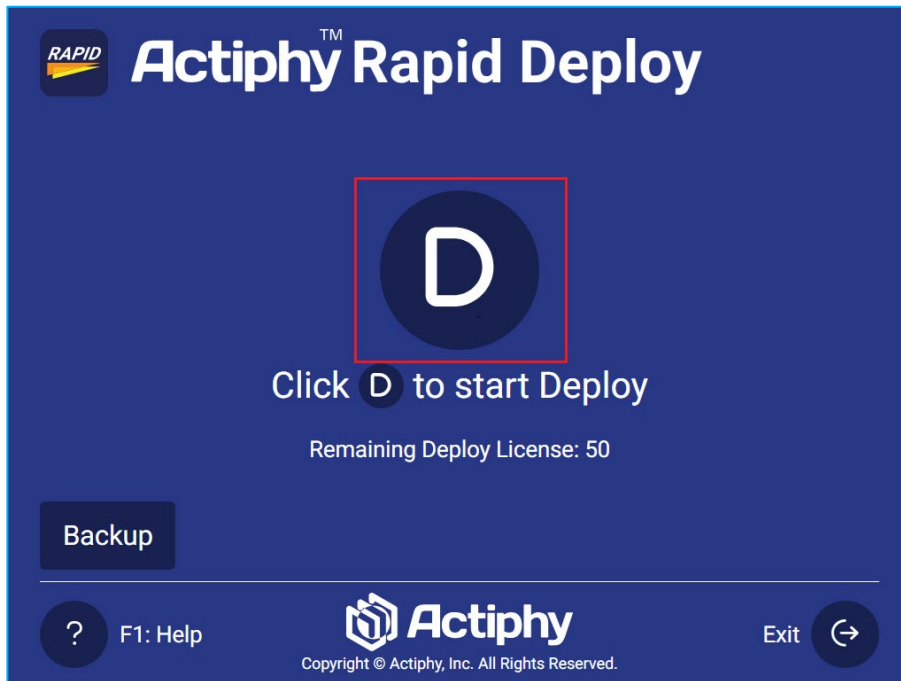


## 7.4. Deploy a source image by using Deploy USB Media

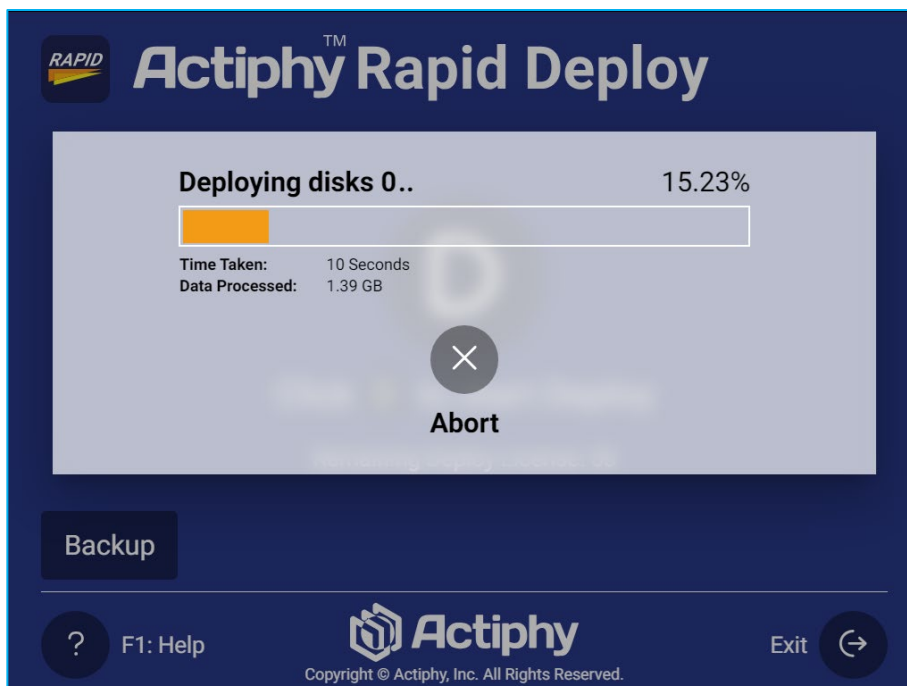
Use the following steps to deploy a source image by using Deploy USB media embedded with a source image.

\*When deploying a source image to multiple client PCs in parallel, you can streamline the process by creating deployment USB media as many as the number of the client PCs. Please refer to [“9-4. Simultaneous creation of multiple USB media”](#) for more detailed operating procedures.

1. Boot up the target PC from Deploy USB Media. When the console is launched, click [D] button to start the deploy process.

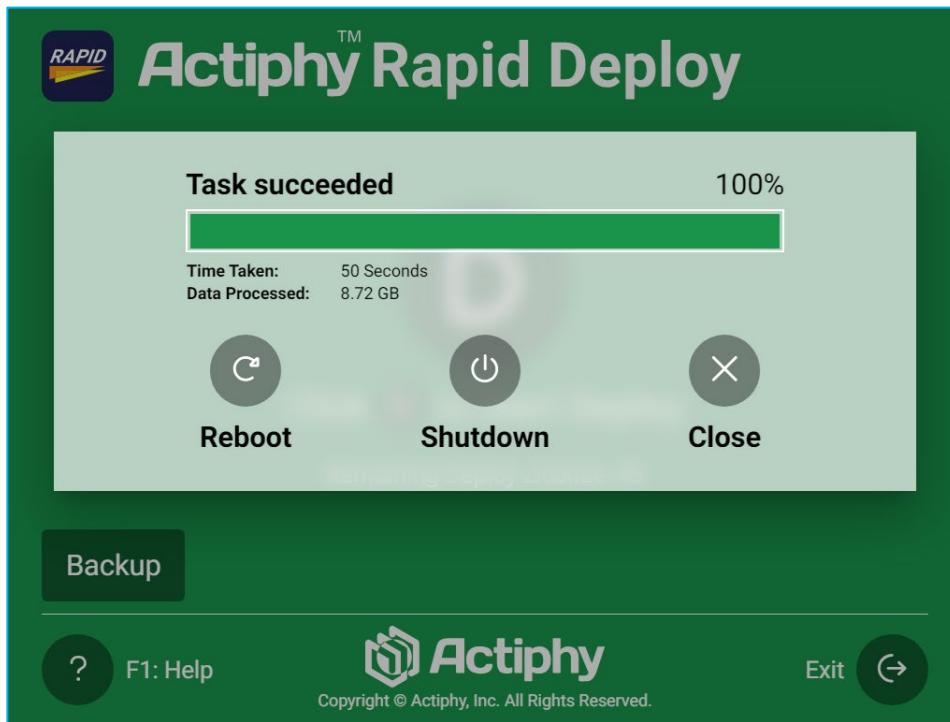


2. When the Deployment process starts, a progress bar of the running task is displayed.



## Deploy Source Image

3. When the process completes and the progress bar reaches 100%, the console is colored in green.



## 8. Create Recovery Media

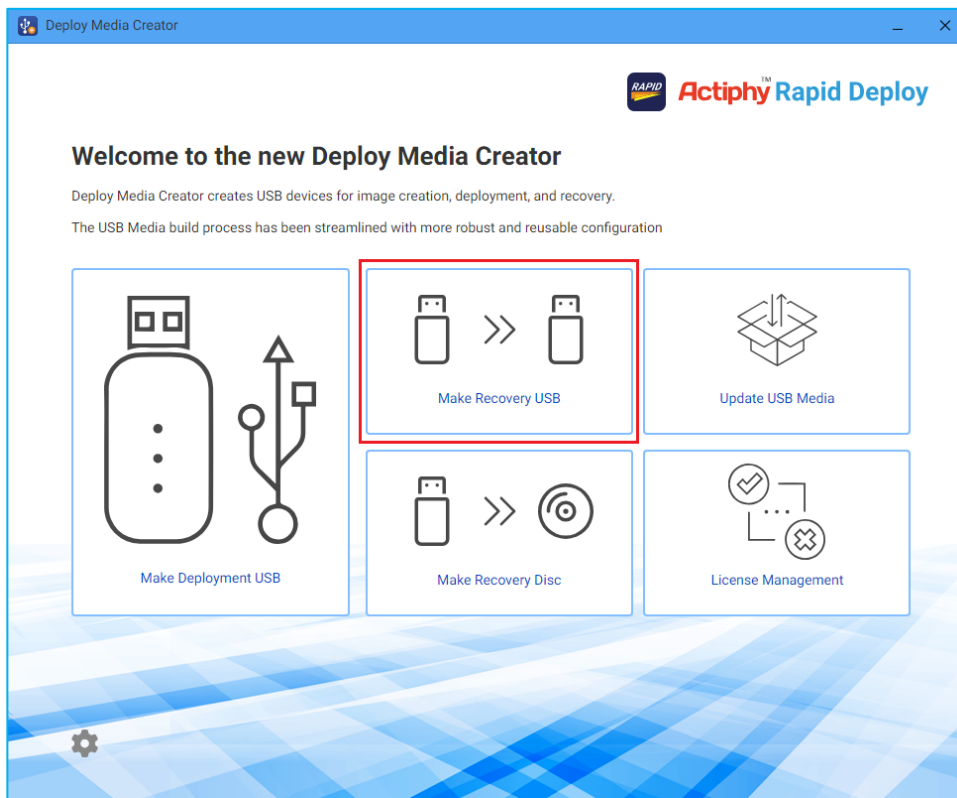
Actiphy Rapid Deploy enables to create Recovery Media embedded with a source image. This allows personal computers to be shipped with an easy-to-use recovery tool, enabling end-users to restore their PCs to factory settings with a single click.

Use the following steps to create Recovery USB Media and Recovery Optical Media embedded with a source image used for deployment.

\* Actiphy Rapid Deploy Plus license is required to create Recovery Media.

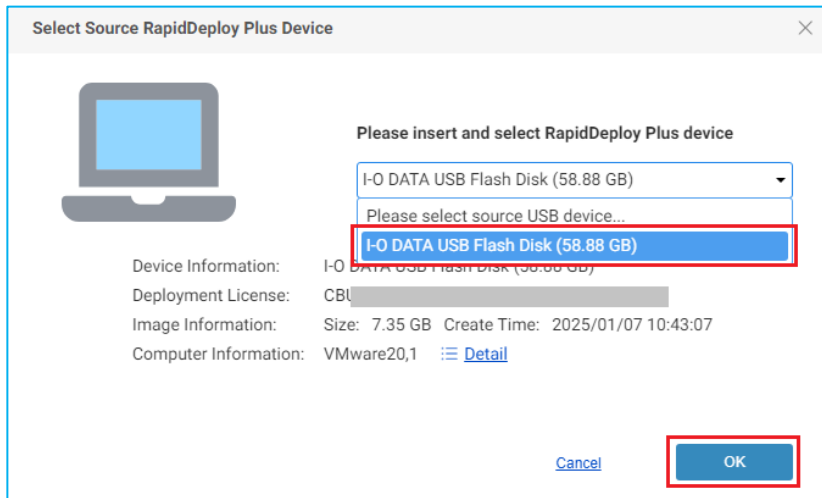
### 8-1. Create Recovery USB media

1. Click [Make Recovery USB] in Deploy Media Creator console.

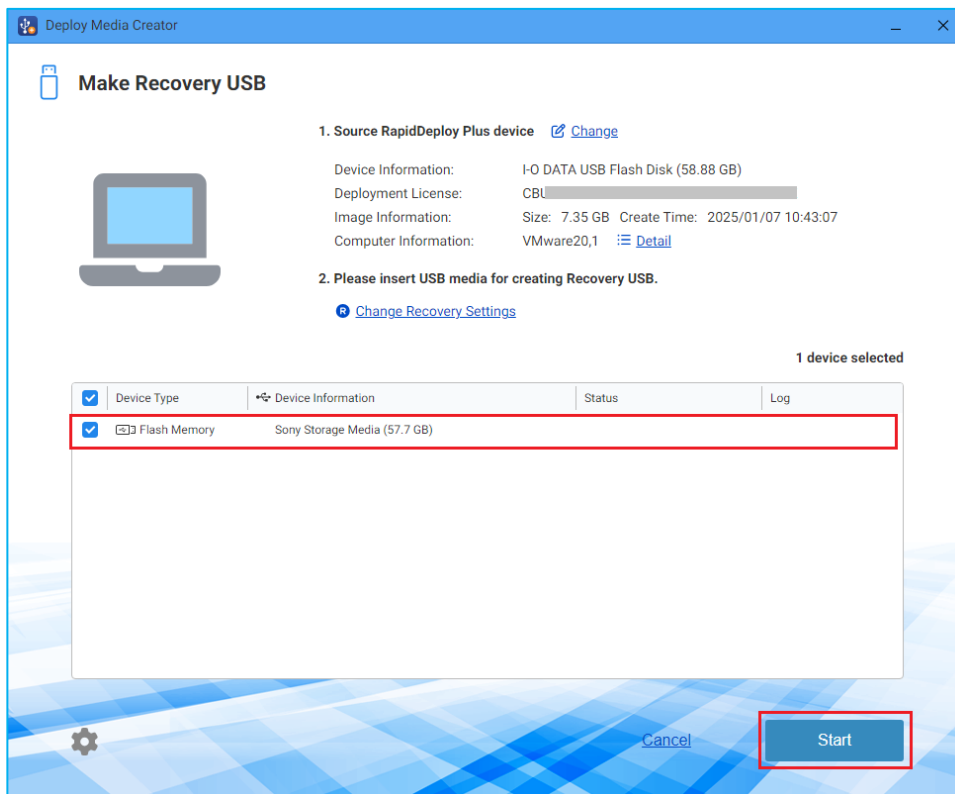


## Create Recovery Media

2. Connect [Deploy USB media] embedded with the source image and used for deployment. Select the connected Deploy USB media and click [OK].



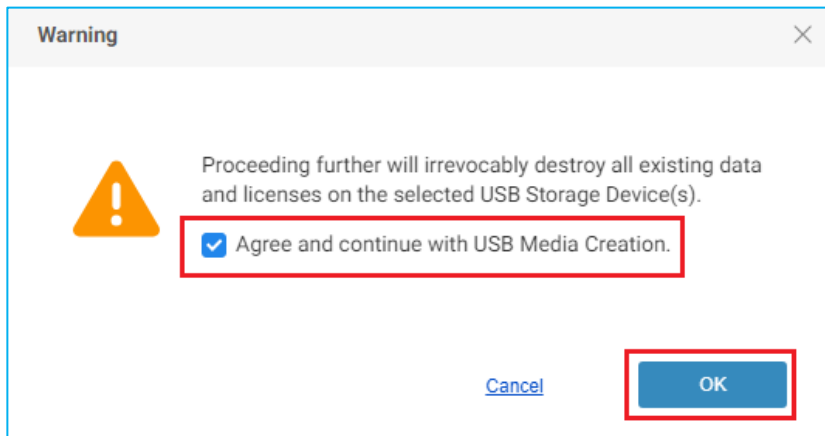
3. Connect the USB media to create Recovery media. After selecting the USB media, click [Start].



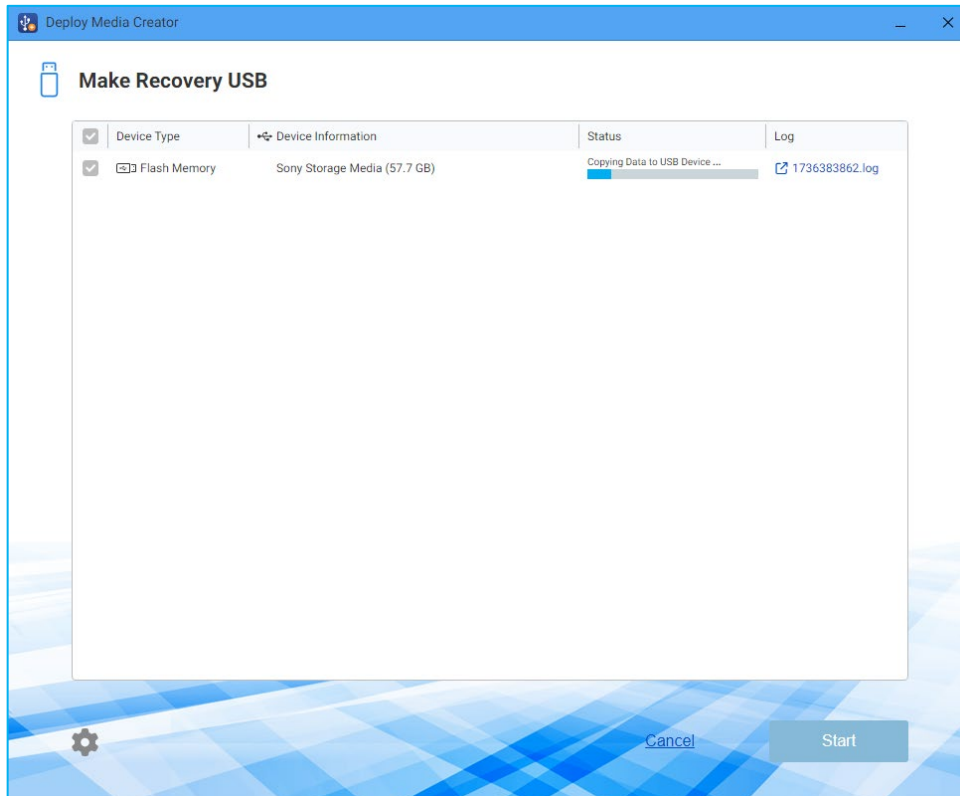


## Create Recovery Media

4. In the Warning dialog, check in the checkbox for [Agree and continue with USB Media Creation] and click [OK] to create Recovery USB media.

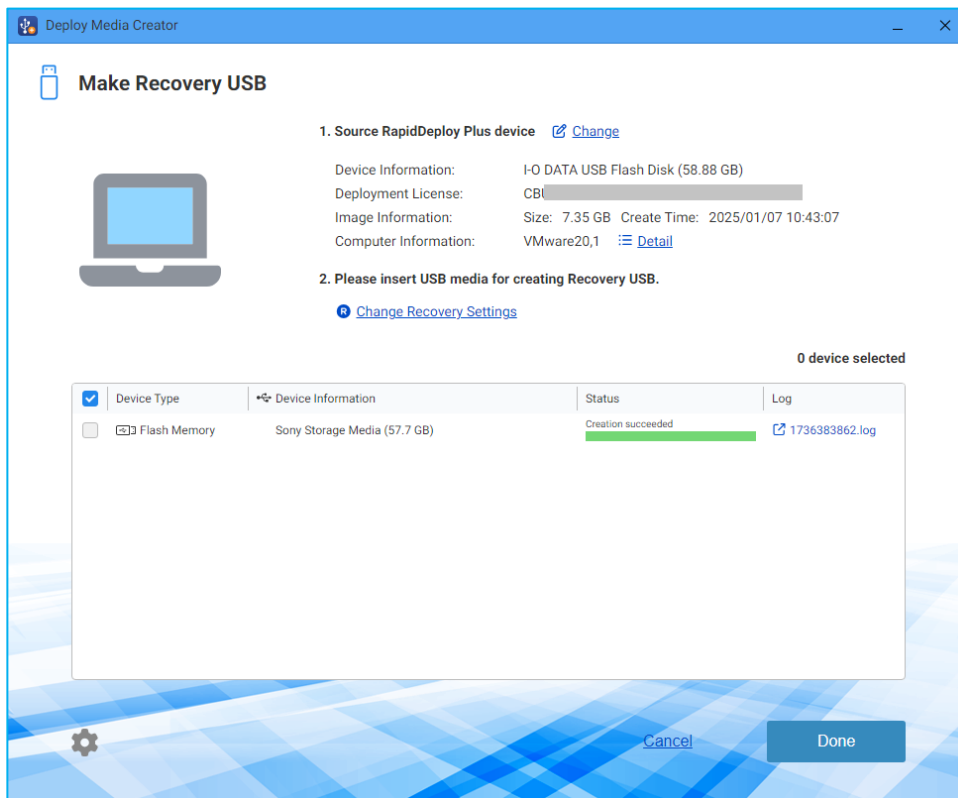


5. When the process of creating Recovery USB media starts, the progress bar is indicated.



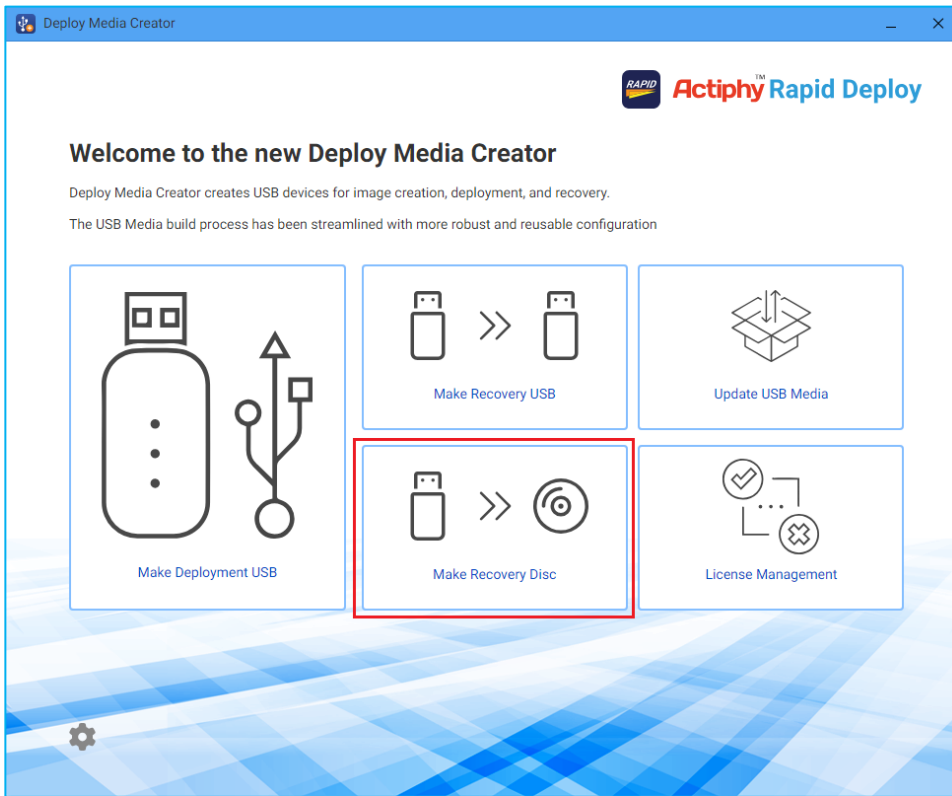
## Create Recovery Media

6. When [Creation succeeded] is indicated in [Status], creation of the Recovery USB Media has completed.

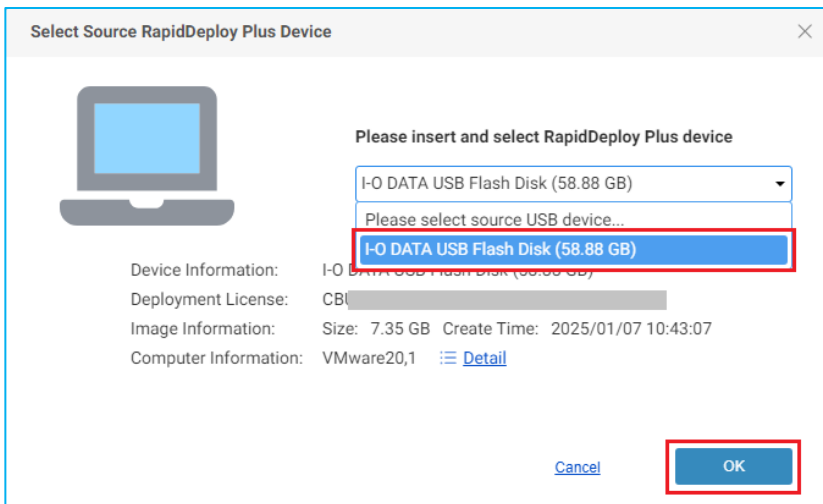


## 8-2. Create Recovery Optical Disc

1. Click [Make Recovery Disc] in Deploy Media Creator console.

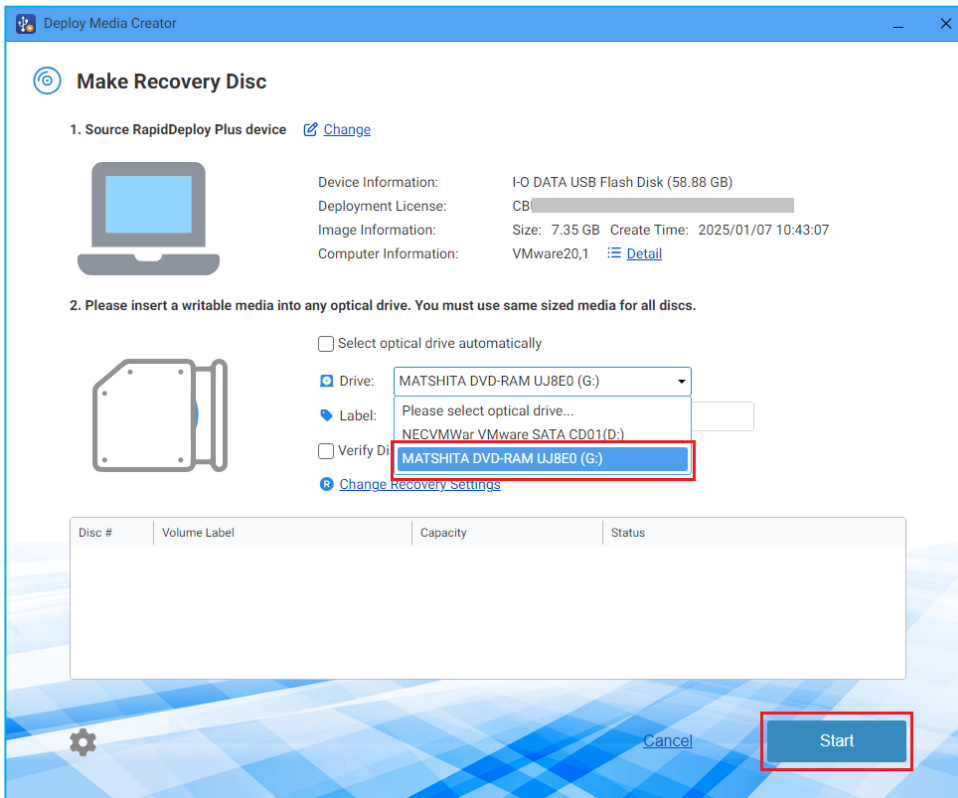


2. Connect the Deploy USB media embedded with the source image used for deployment. Select the connected Deploy USB media and click [OK].

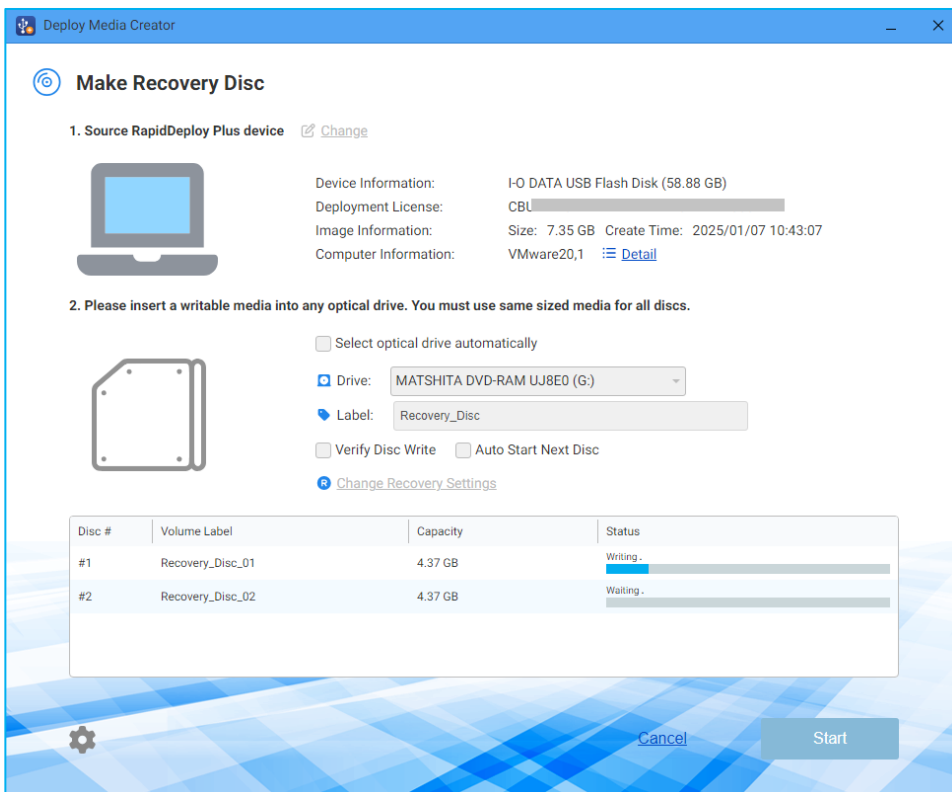


## Create Recovery Media

3. Set the disk in the optical drive. Select the optical drive to create the Recovery Optical Disc, and click [Start]. When the whole data cannot be accommodated in the optical disk, the data can be divided into multiple discs.

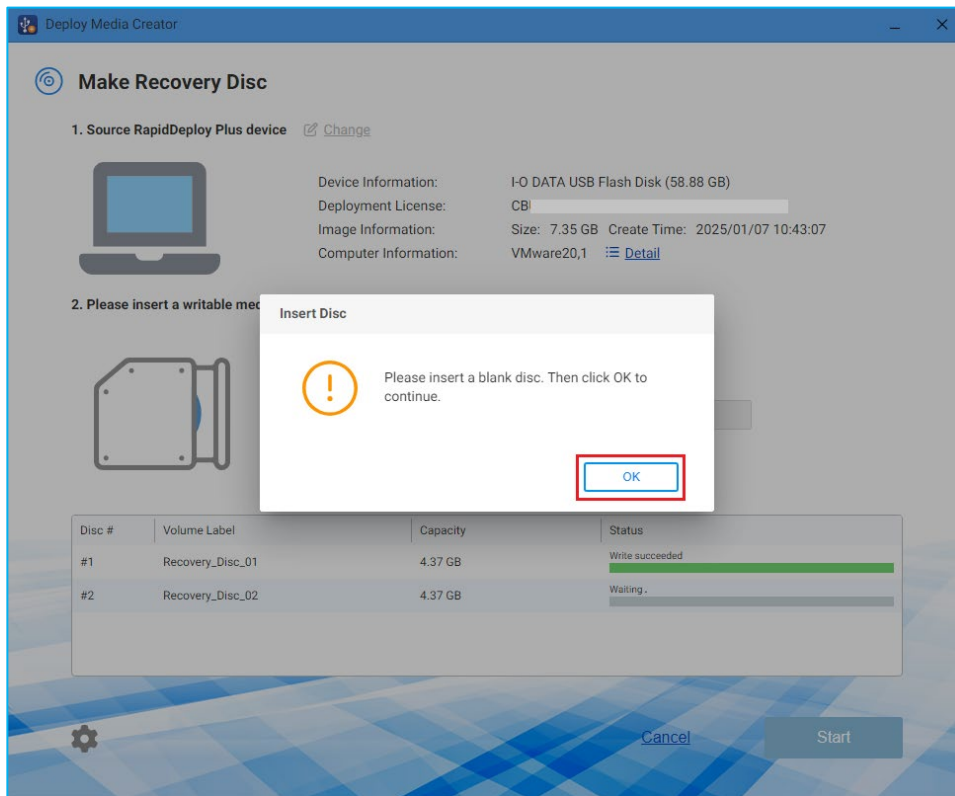


4. When the process starts, the progress bar is indicated.

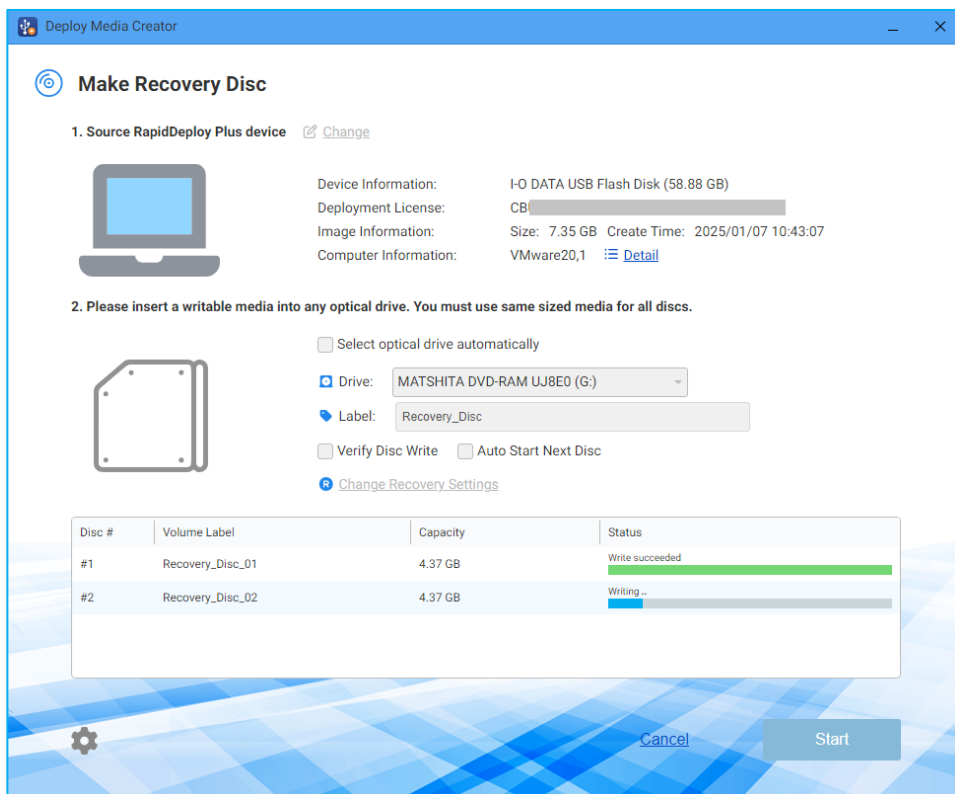


## Create Recovery Media

5. When the whole data cannot be accommodated in 1 optical disk, the following message is displayed prompting you to insert a blank disc. Set a new optical disk of the same size and click [OK].

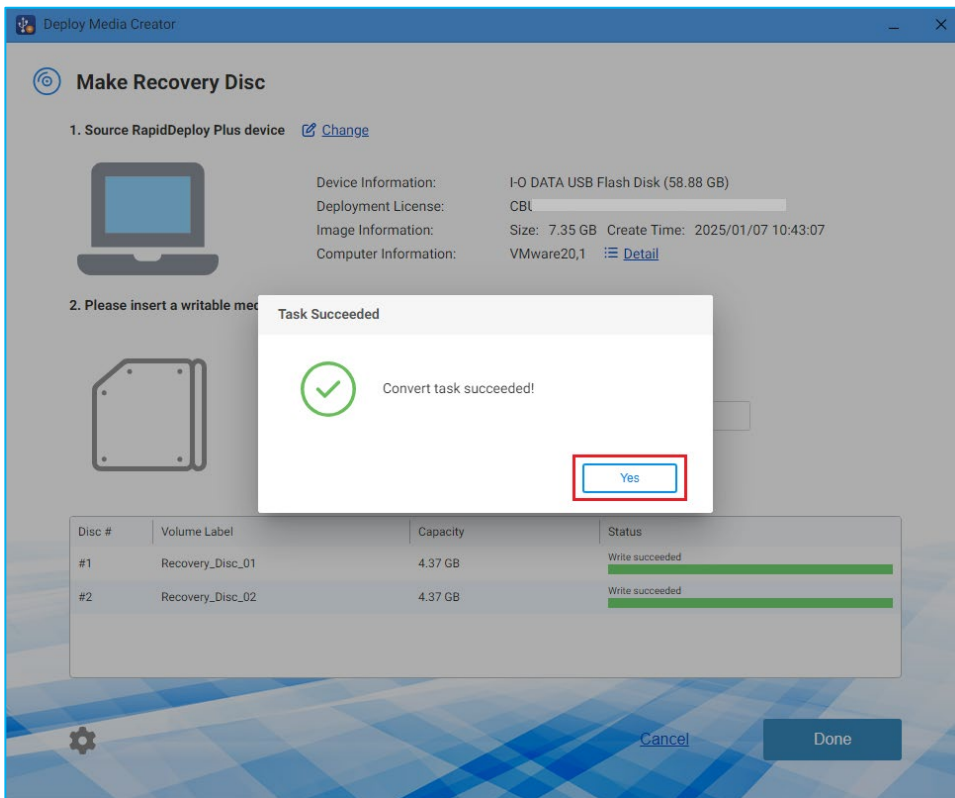


6. Writing data continues on the second optical disc.



## Create Recovery Media

7. When [Convert task succeeded!] message is displayed, the process of creating Recovery Optical Disc has completed. Click [Yes].



### 8-3. Restore using Recovery Media

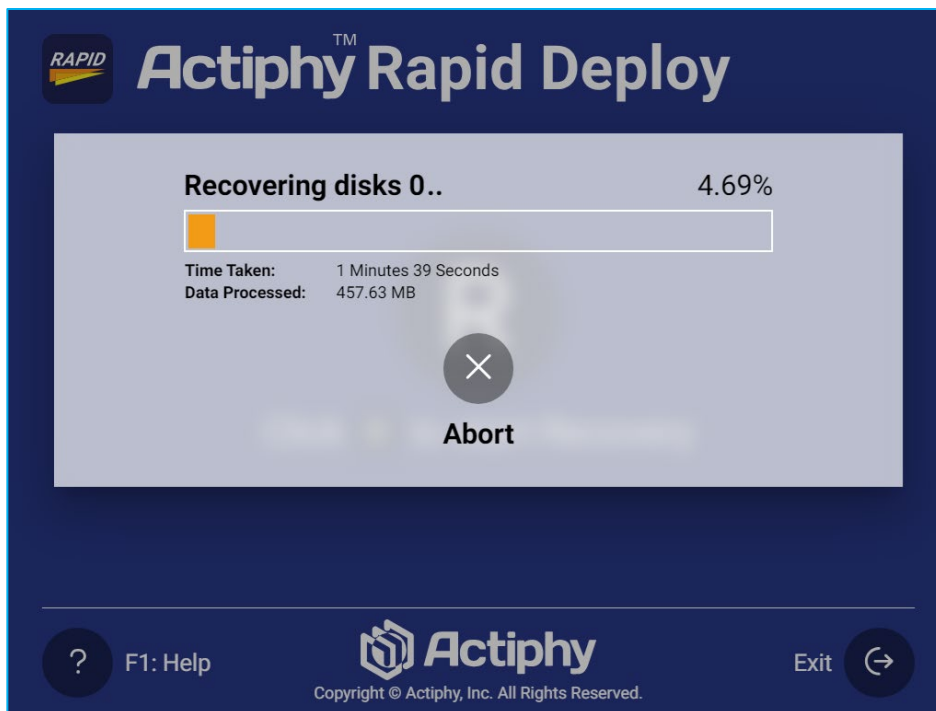
Recovery media can be used only to restore the system back to a factory state upon failure.

The following steps will show you how to restore the system by using Recovery optical disc. Recovery USB media can be also used to restore the system by using the same operating procedures.

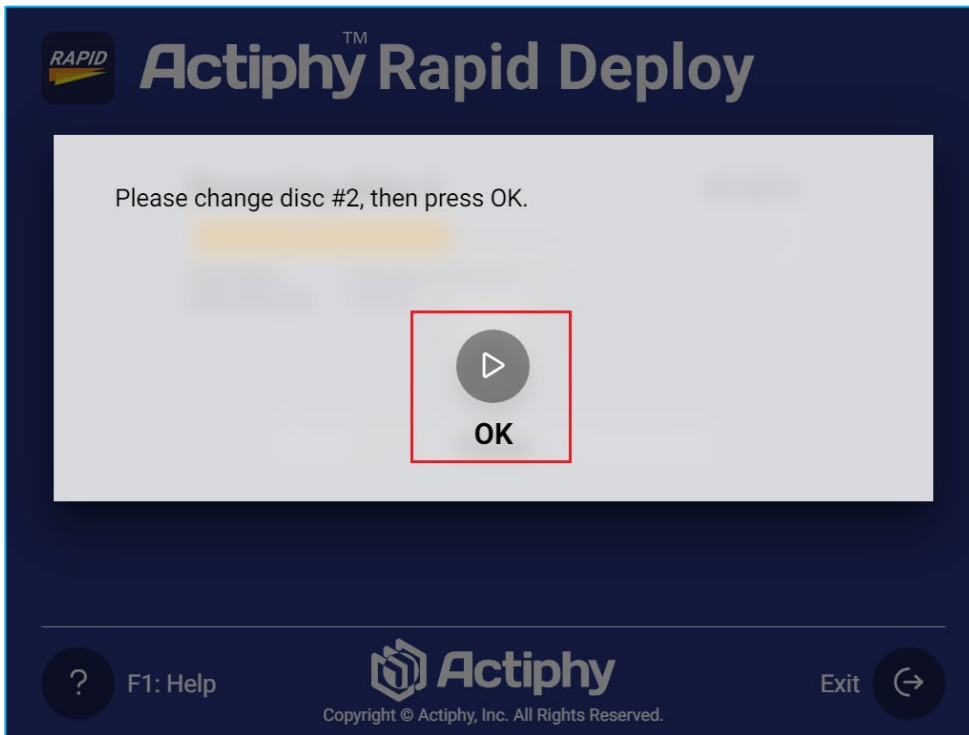
1. Set the Recovery optical disc and boot up the PC. When the console window is launched, click [R] button to start the recovery process.



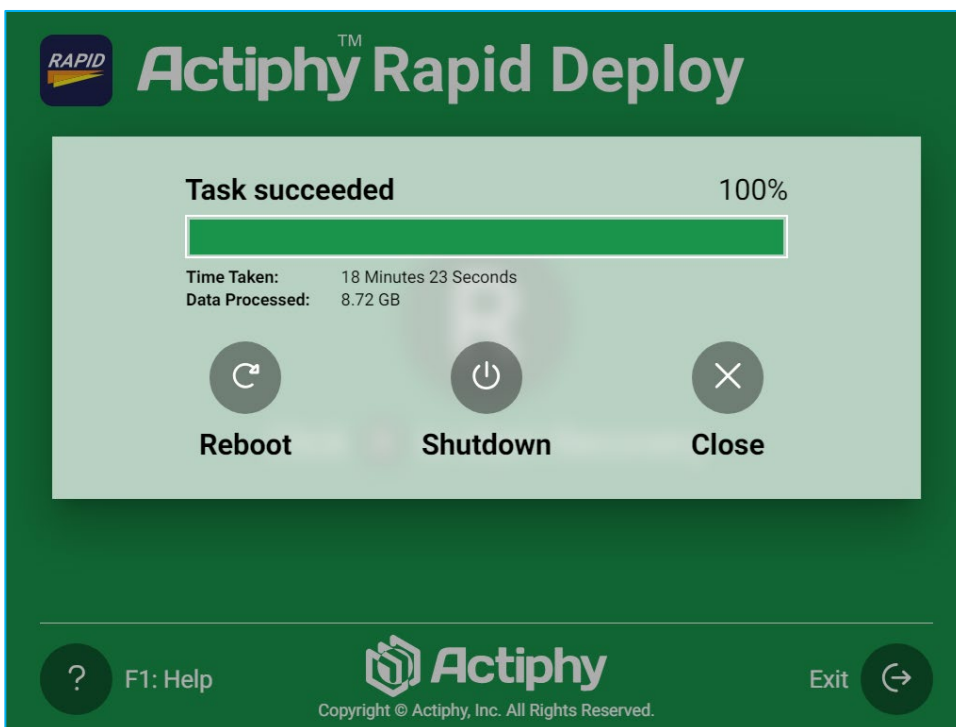
2. When the process starts, the progress bar is indicated.



3. When the recovery data are divided into multiple optical discs, replace the disc with a new one and click [OK].



4. When the progress bar reaches 100%, the console is colored in green. The recovery from recovery optical disk has completed.





## 9. License Management

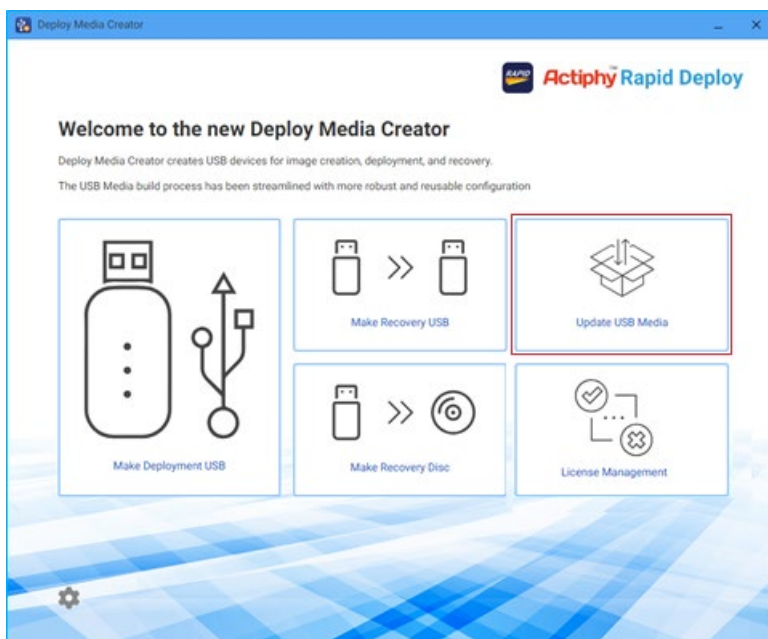
### 9-1. Add licenses

The licenses allocated to Deploy USB media are consumed for the number of times of deployment or the number of client PCs which the source image is deployed to.

For example, by using the Deploy USB media which 50 licenses are allocated to, the source image is deployed to 50 client PCs. 50 licenses are consumed and there remains no license. When you continue to use this Deploy USB media to deploy the source image, you need additional licenses.

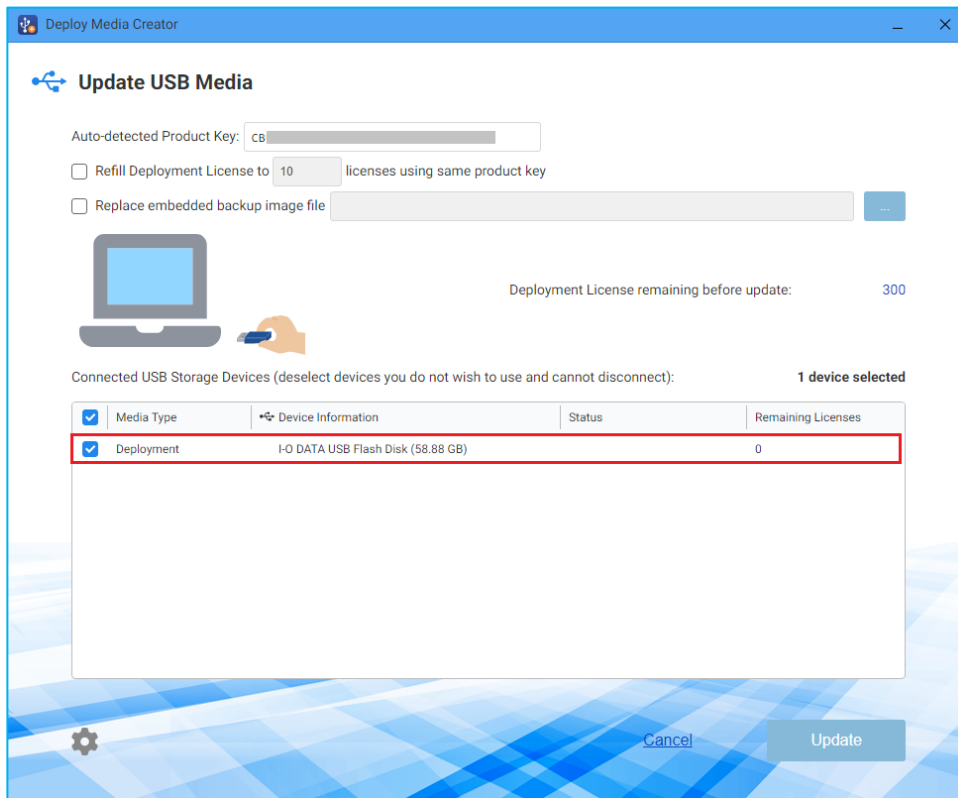
The following steps will show you how to add new licenses to Deploy USB media.

1. Please click [Update USB Media] in Deploy Media Creator consol.

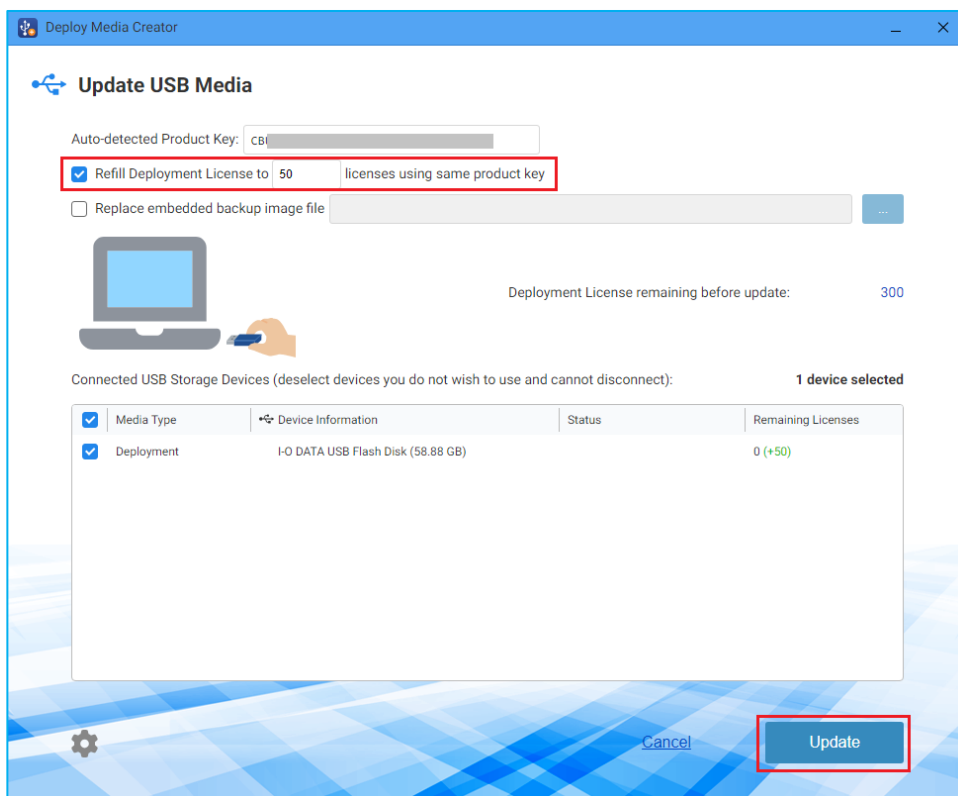


## License Management

2. Connect the “Deploy USB media” to the computer to refill the license and select the connected Deploy USB Media. The allocated number of licenses and the product key information are indicated.



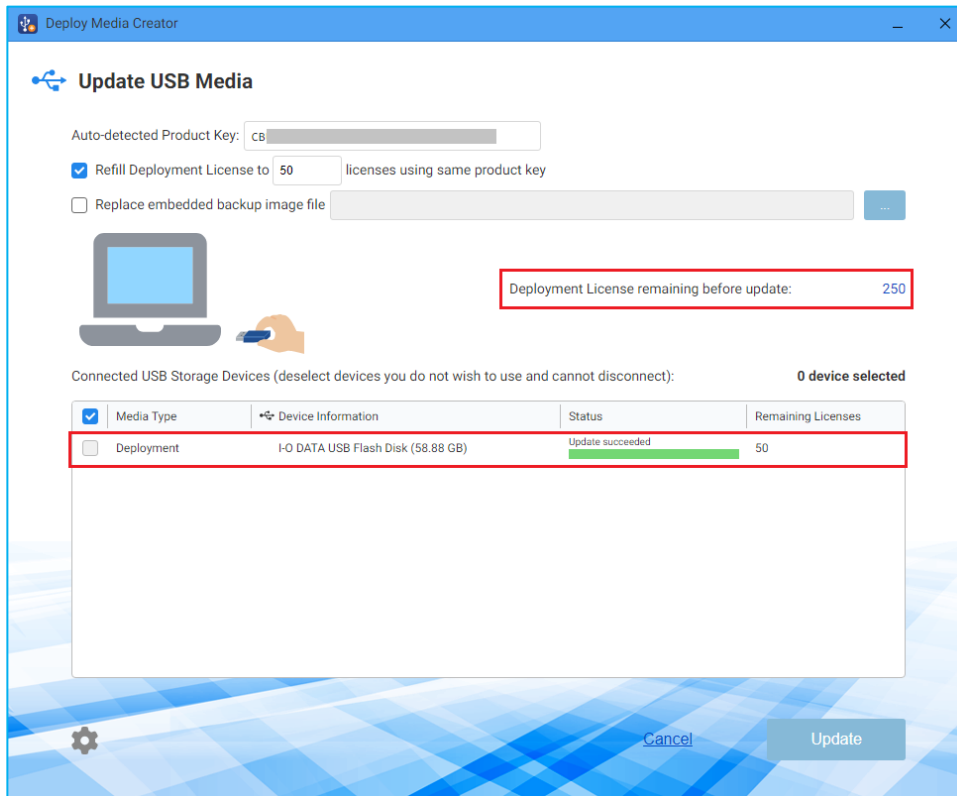
3. Check in the checkbox for [Refill Deployment License to XX licenses using same product key] and specify the number of licenses to add. Click [Update] button to add the license to Deploy USB media.



## License Management

4. When [Update succeeded] is indicated in [Status], the additional licenses are added to Deploy USB Media.

At this point, 50 licenses are consumed.



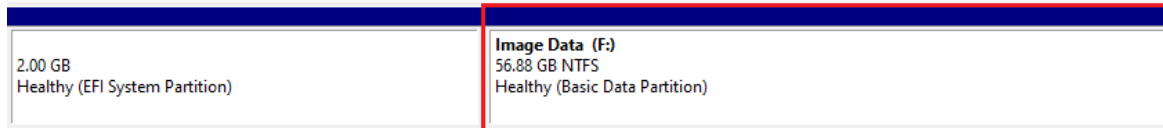
## 9-2. Save Source Image

You are recommended to copy the source image created by using Deploy USB Media and save in a separate place in case of a damage or loss of the media. The copy can be used as the replacement of the source image or when creating another Deploy USB Media embedded with a copy of the source image.

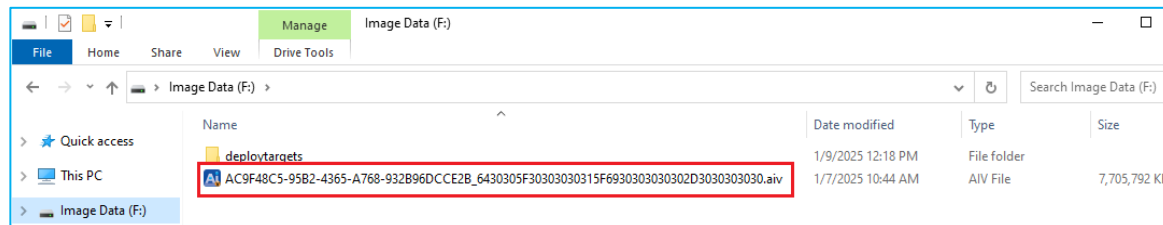
The following steps will show you how to save the source image embedded in the Deploy USB Media.

### 1. Location of the source image

The source image created by using Deploy USB Media is saved in the second volume (Image Data) of Deploy USB Media.

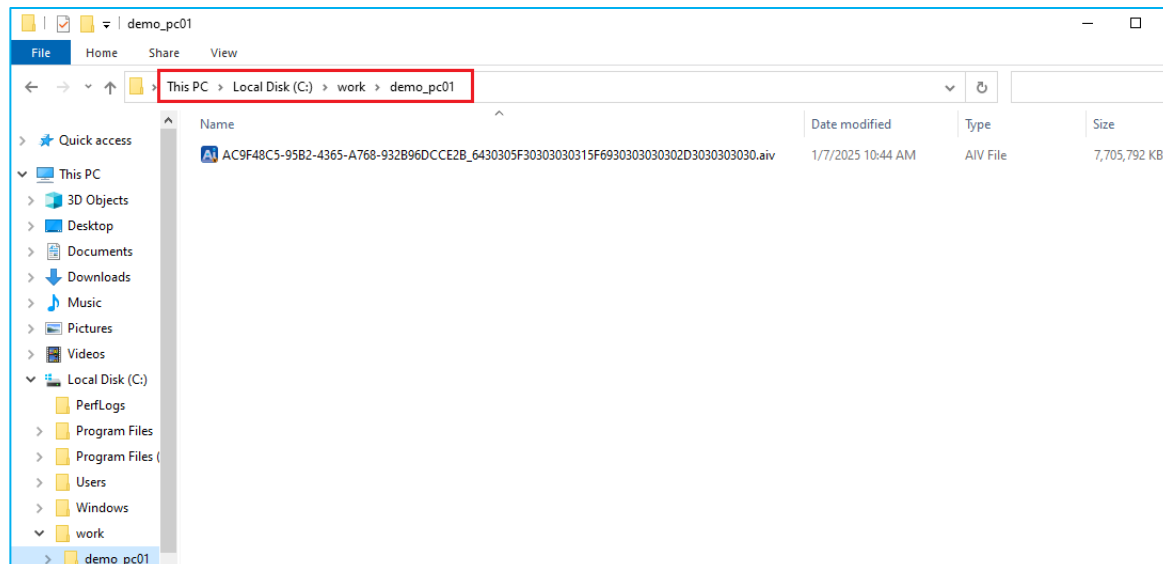


The source image is uniquely named with the extension “.aiv”.



### 2. Copy the source image

The source image is uniquely named for security purpose. You can save the copy of the source file in the destination folder defined with an identifiable name for easy management. Here, the copy is saved in “c:\work\demo\_pc01” folder.



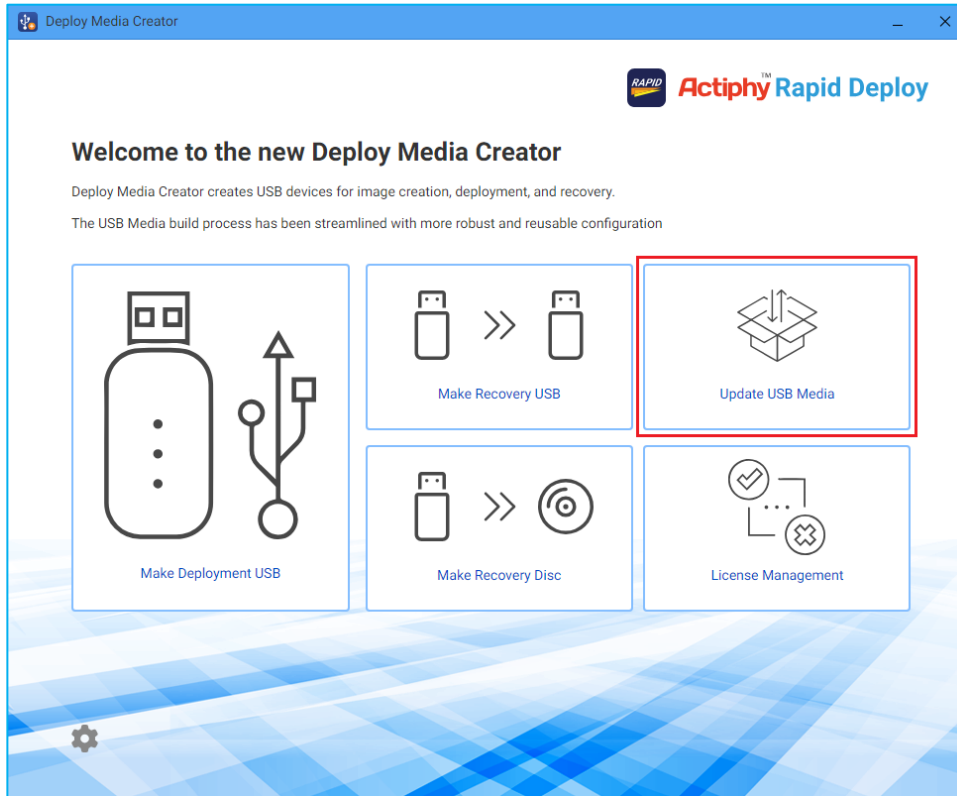
### 9-3. Replacement of the source image

You can replace the source image embedded in the Deploy USB Media while the licenses are maintained.

The following steps will show you how to replace the source image in Deploy USB Media.

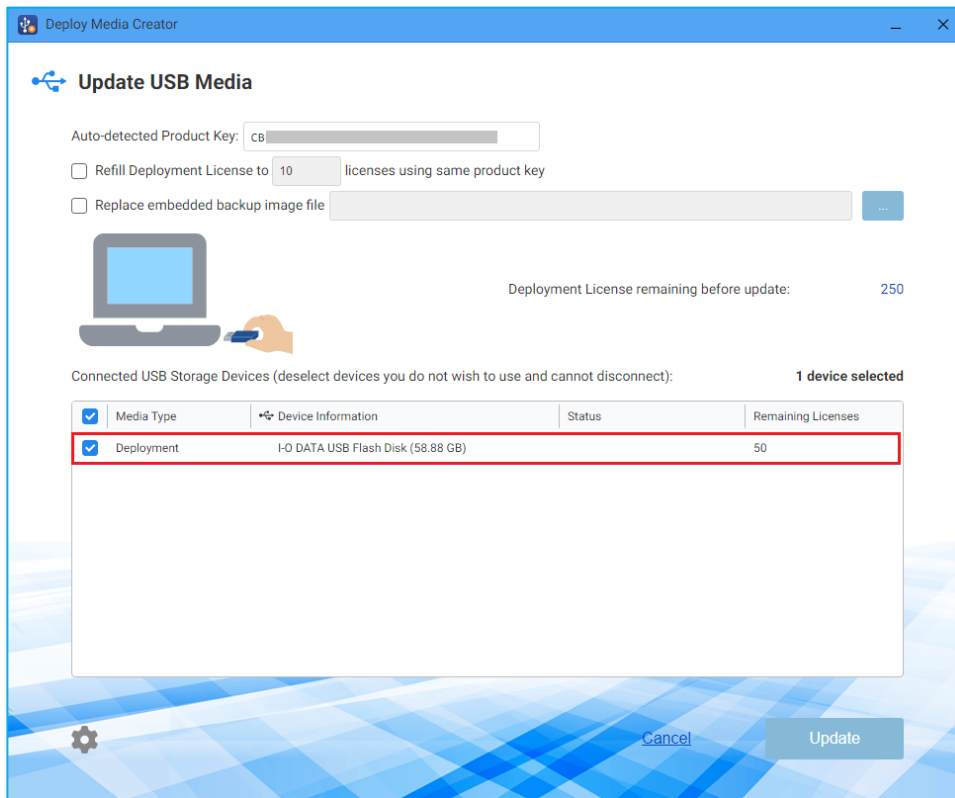
\*For the details about the source image to replace, please refer to [“9-2. Save Source Image”](#).

1. Click [Update USB Media] in the console of Deploy Media Creator.

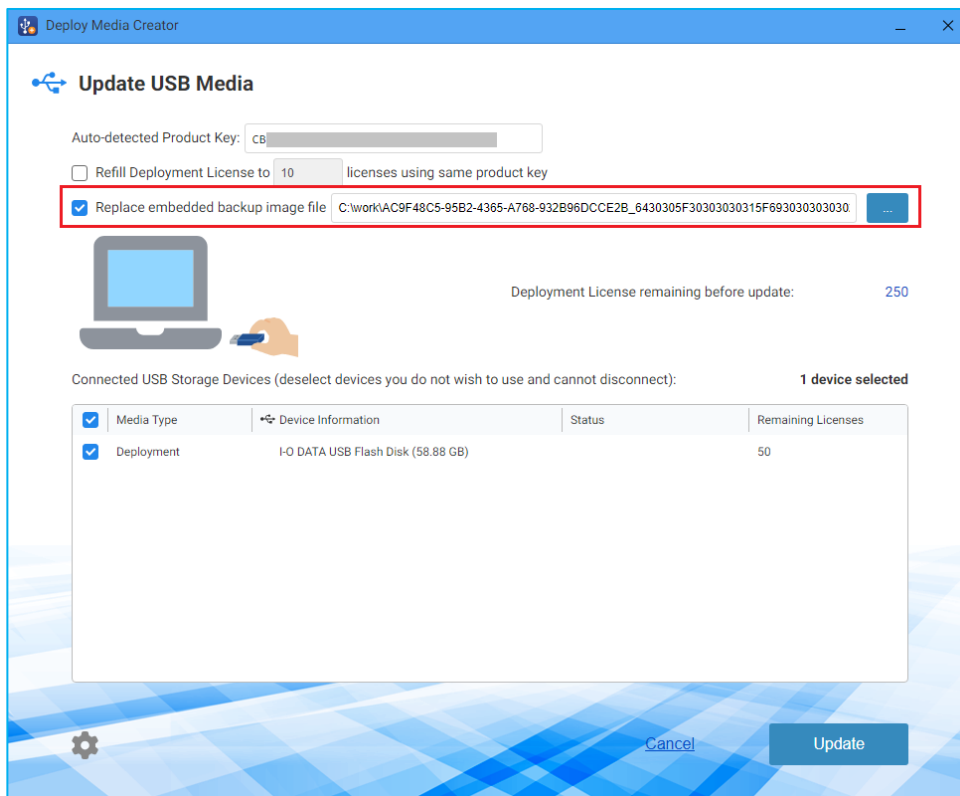


## License Management

2. Connect the Deploy USB media to the computer to replace the embedded source image, and select the connected Deploy USB Media.

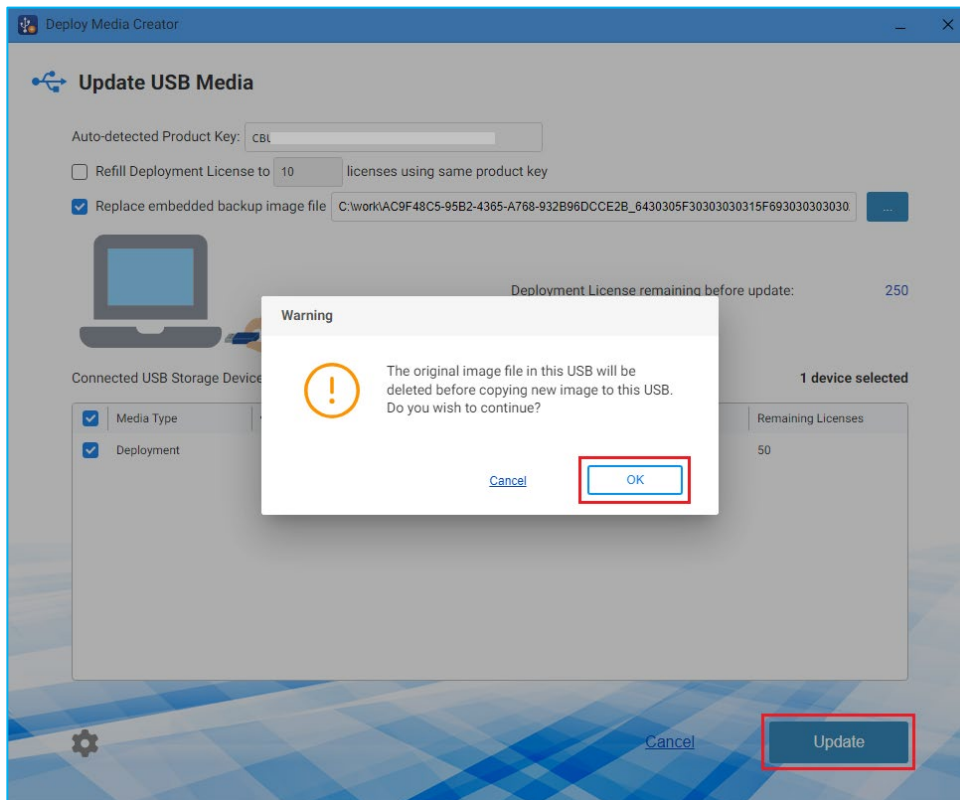


3. Check in the checkbox for [Replace embedded backup image file] and select the source image file to replace.

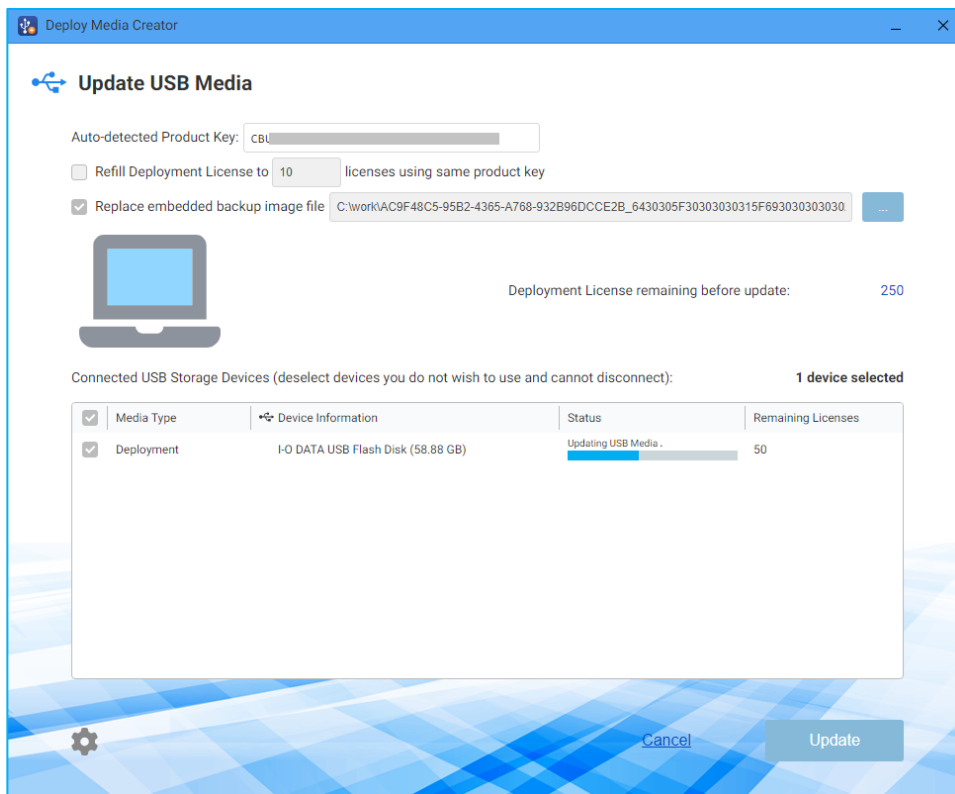


## License Management

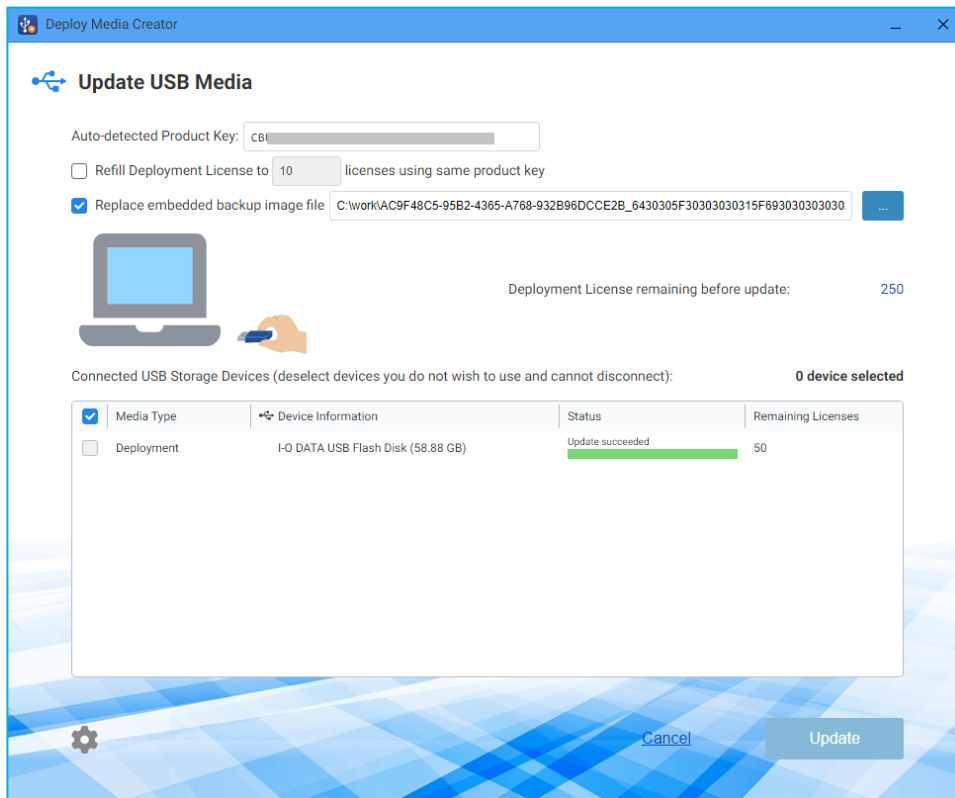
4. After selecting the source image, click on [Refresh]. As the following prompt message is displayed, click [OK] to start the process for replacing the source image.



5. When the process of replacing a source image starts, a progress bar of the active running task is displayed.



6. When [Update succeeded] is indicated for [Status], replacement of the source image has completed.





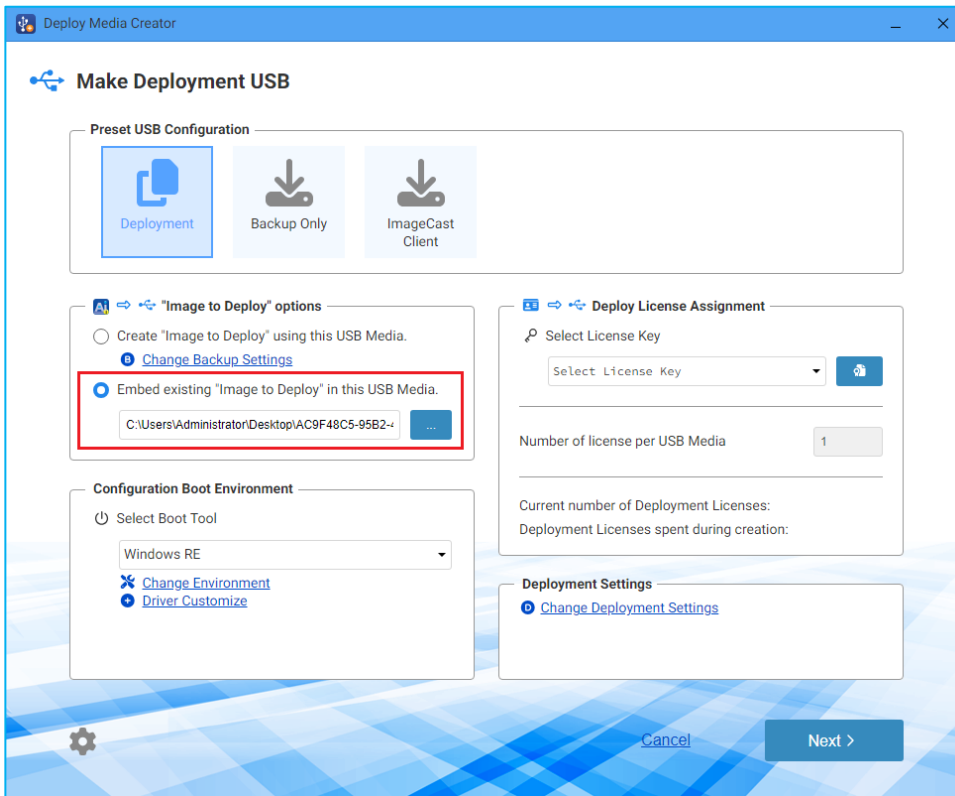
## 9-4. Simultaneous creation of multiple USB media

The following steps will show you how to create multiple number of Deploy USB Media embedded with a source image.

For more detailed operating procedures how to create Deploy USB Media, please refer to [“4. Create a new Deployment USB Media”](#). For the source image please refer to [“9-2. Save Source Image”](#).

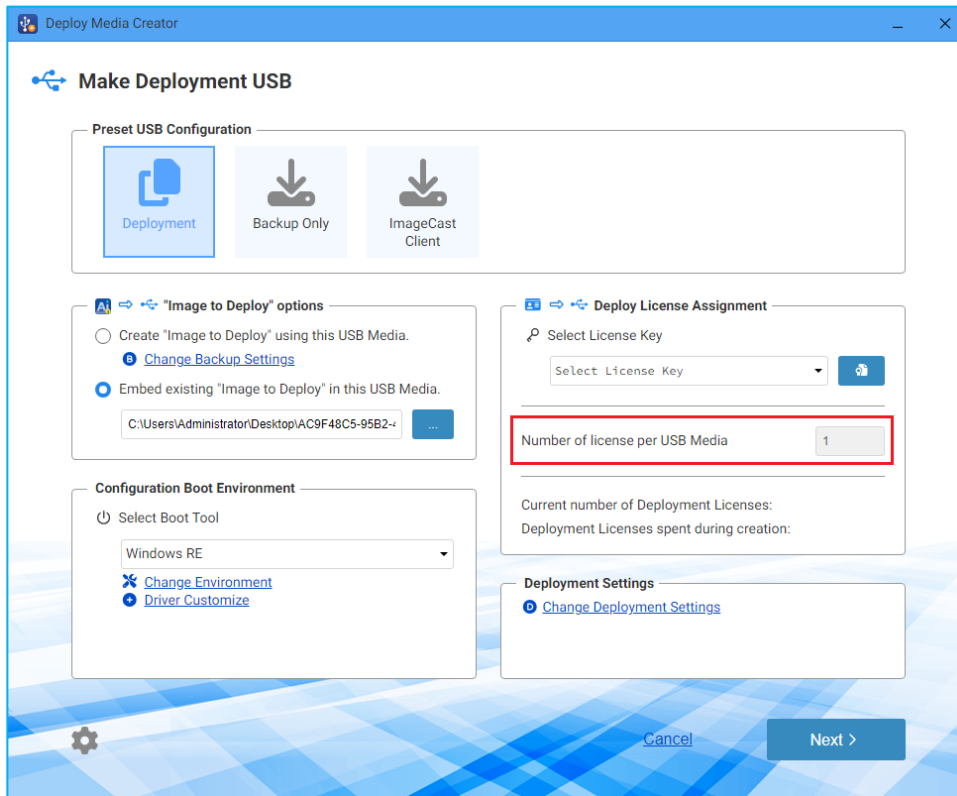
### 1. Embed a source image in Deploy USB Media.

When creating Deploy USB Media embedded with a source image, check in the checkbox for [Embed existing “Image to Deploy” in this USB Media] and select a source image to embed.

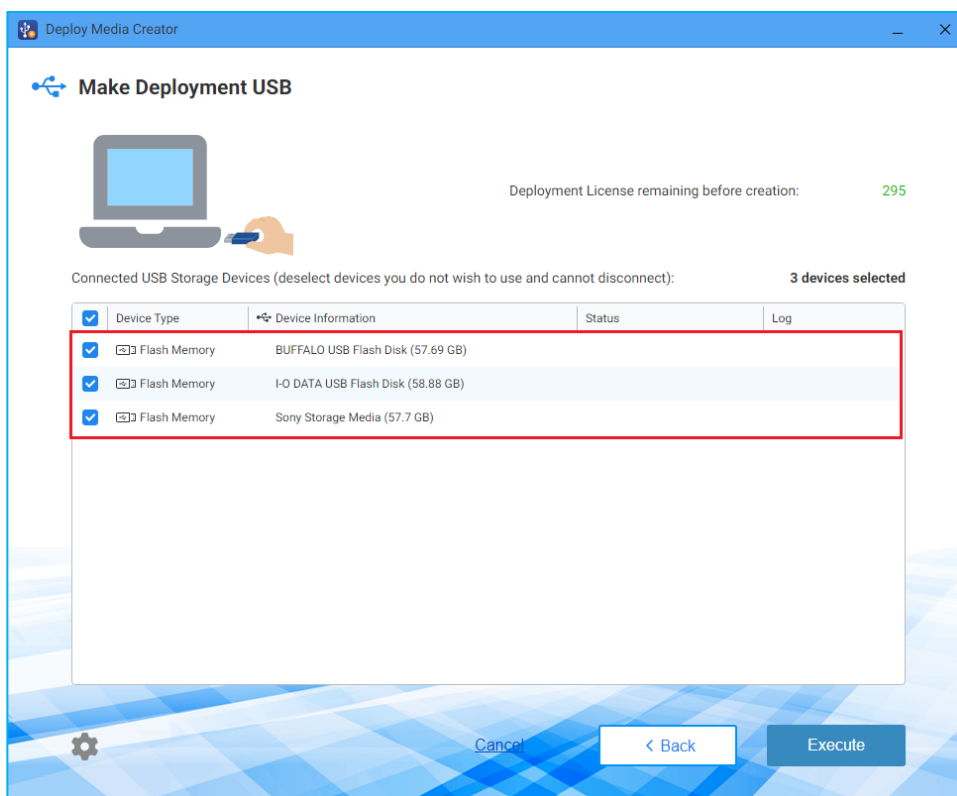


## License Management

- Specify the number of licenses to allocate to one Deploy USB Media to create for [Number of license per USB Media]. For example, when “5” is specified for [Number of license per USB Media] and 10 Deploy USB Media are created, the total number of consumed licenses is “50”.



- Multiple number of USB media can be connected to the computer and create multiple Deployment USB Media. Up to 30 Deployment USB Media can be created at a time.



## Reference

---

### Actiphy's Web site

Actiphy's Web site provides access to comprehensive information, including product information, related documents, technical support, updates, etc.

<https://www.actiphy.com/global>

### Actiphy Rapid Deploy / Activelmage Protector の FAQ

Support information is accessible at the following web site.

<https://actiphyhelp.zendesk.com/hc/en-us>

- For any inquiries about Activelmage Protector, please contact:

Global Sales Dept., Actiphy Inc.

E-mail: [global-sales@actiphy.com](mailto:global-sales@actiphy.com)

© 2025 Actiphy, Inc. All rights reserved.

Activelmage Protector and related documents are proprietary products copyrighted by Actiphy, Inc.

Other brands and product names mentioned in this guide are trademarks or registered trademarks of their respective holders.