

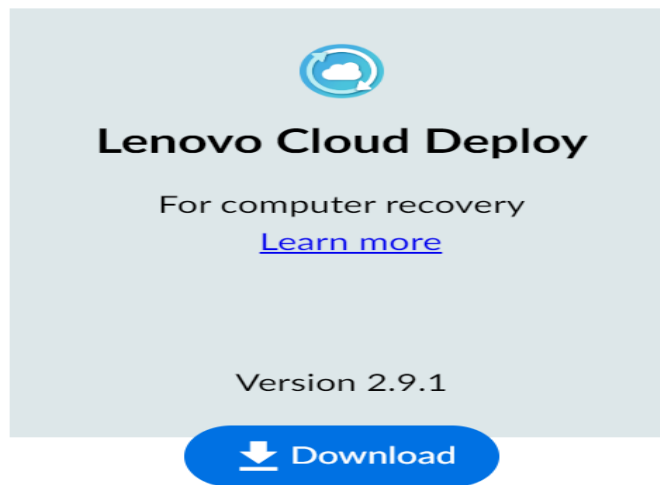
HOW TO USE LENOVO CLOUD UTILITY

Visit below link – Login with your account and download Lenovo cloud deploy utility.

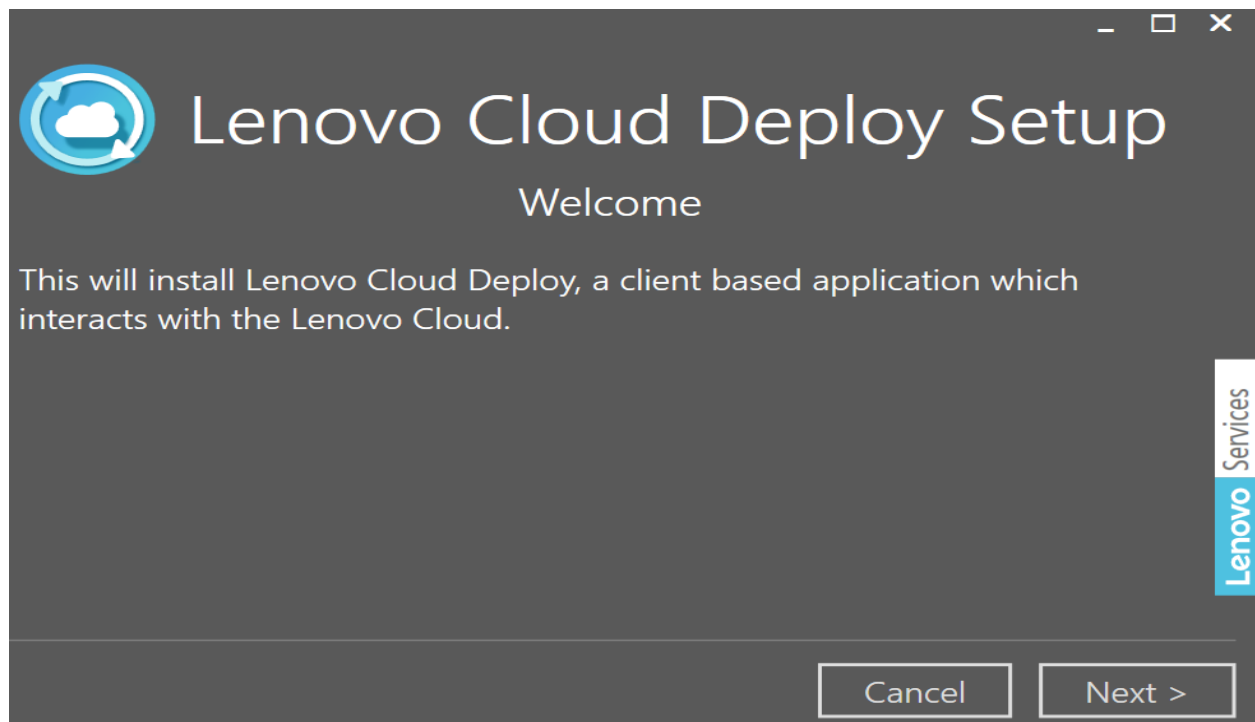
<https://www.lenovoclouddeploy.com/en/home/downloads>

Download Tools

Download Lenovo Cloud Deploy to create images and setup hardware and systems for first-time login. Choose the Provision System Wizard to create provisioning kits for software and system settings.



Run the installer and follow the prompts





Lenovo Cloud Deploy Setup

Agreements

By checking the boxes below you acknowledge that you have read, understand and agree to these Lenovo policies.

- [Lenovo's License Agreement](#)
- [Lenovo's Software Privacy Statements and Personal Data Disclaimer](#)

Lenovo Services

< Back

Cancel

Next >



Lenovo Cloud Deploy Setup

Shortcuts

Please select the shortcuts you would like to create:

- Desktop shortcut
- Start Menu shortcut

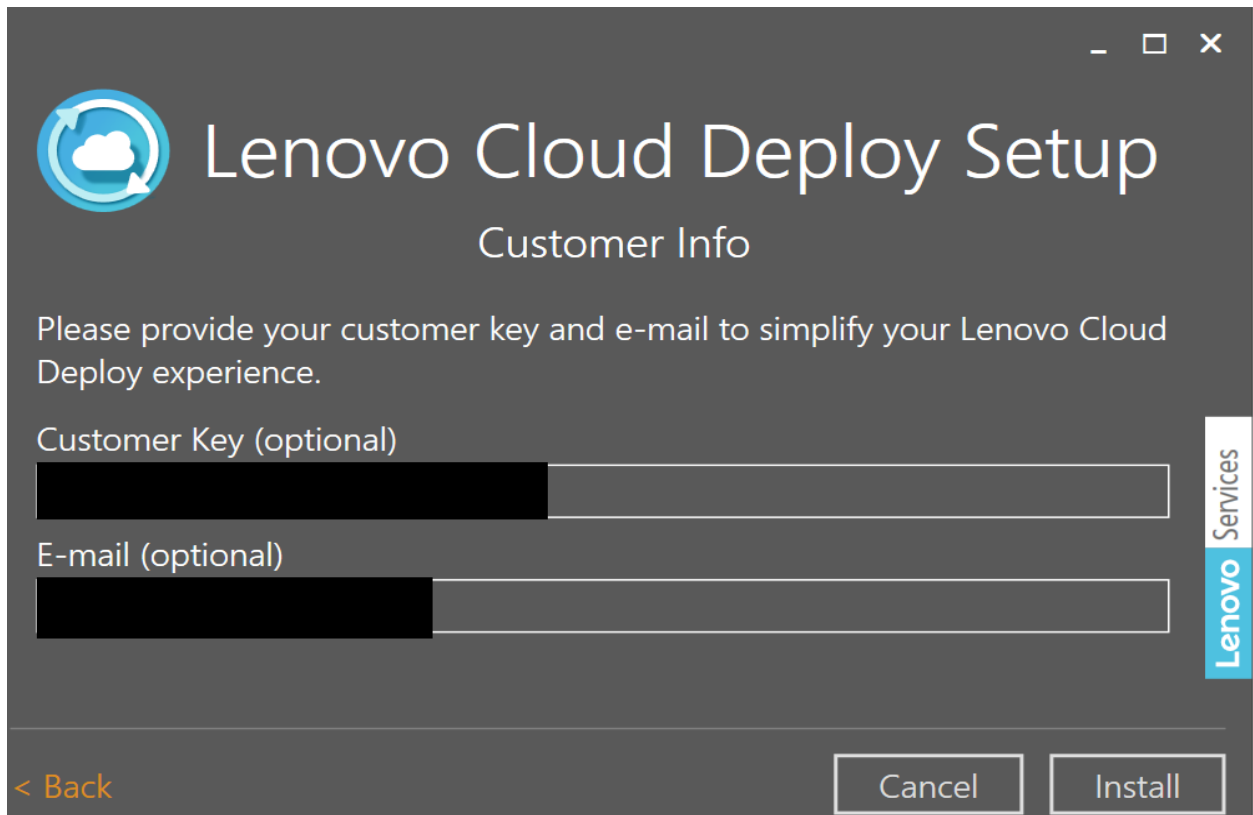
Lenovo Services

< Back

Cancel

Next >

Enter Customer Key and Email Address (HOOPP)



The screenshot shows the 'Customer Info' screen of the Lenovo Cloud Deploy Setup. At the top left is a circular logo with a cloud and arrows. The title 'Lenovo Cloud Deploy Setup' is in large white font, with 'Customer Info' below it. A message asks for a customer key and email. There are two input fields: 'Customer Key (optional)' and 'E-mail (optional)', both with blacked-out content. A 'Lenovo Services' vertical bar is on the right. At the bottom, there is a '< Back' link, a 'Cancel' button, and an 'Install' button.

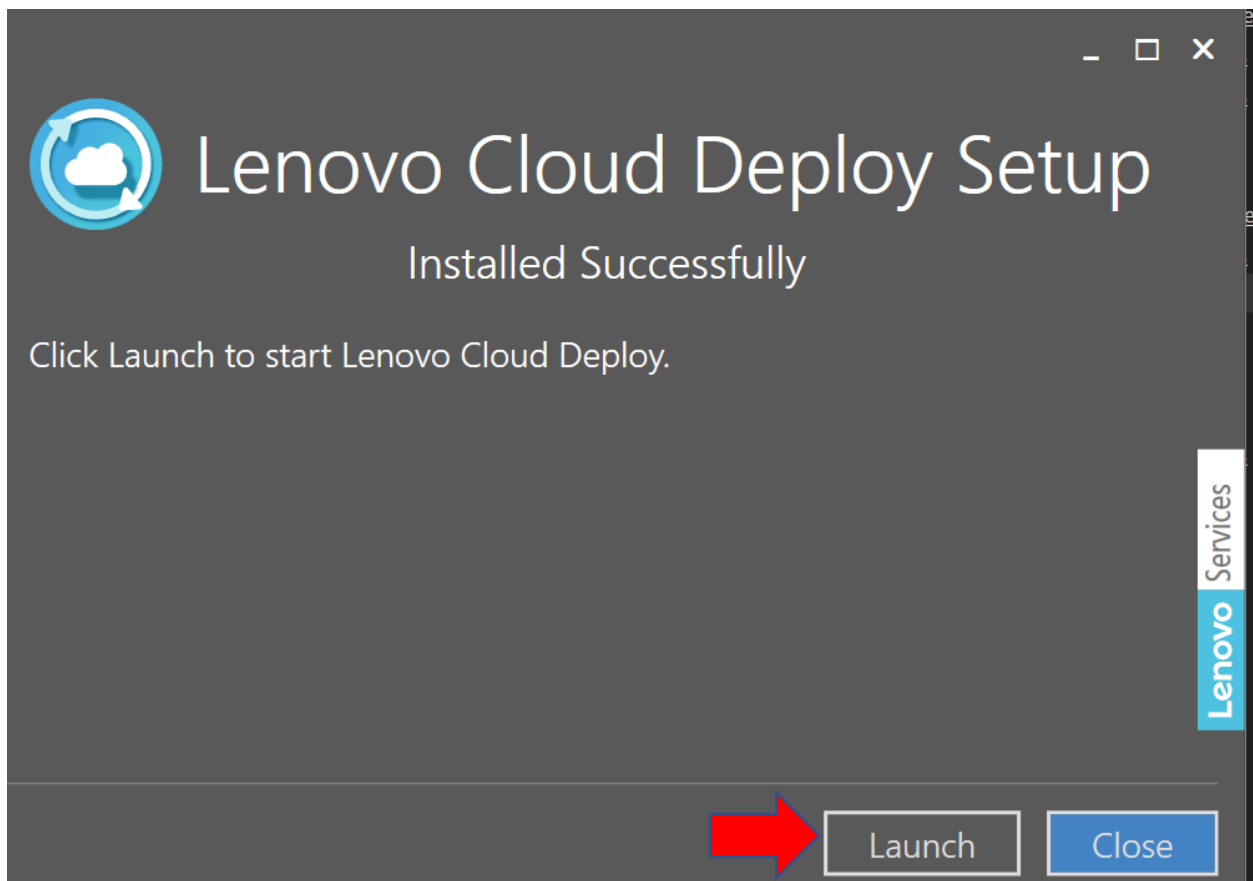
Lenovo Cloud Deploy Setup
Customer Info

Please provide your customer key and e-mail to simplify your Lenovo Cloud Deploy experience.

Customer Key (optional)
[Redacted]

E-mail (optional)
[Redacted]

< Back Cancel Install



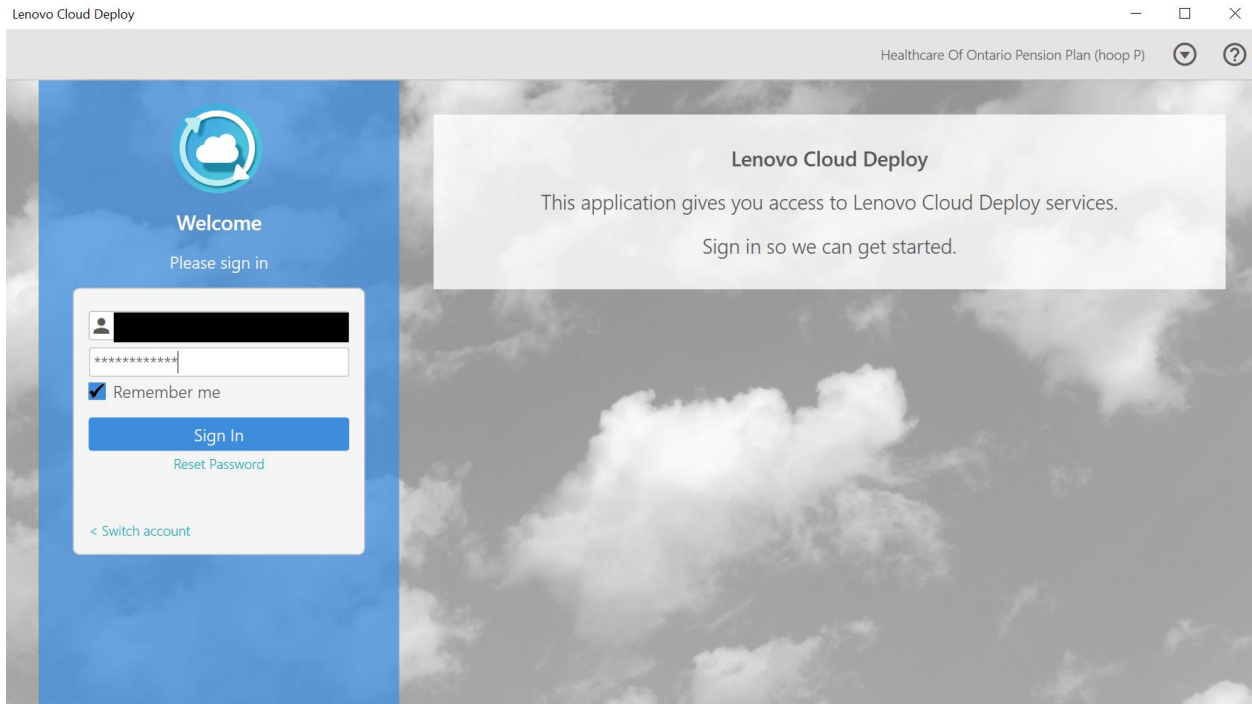
The screenshot shows the 'Installed Successfully' screen of the Lenovo Cloud Deploy Setup. It features the same logo and title as the previous screen. The message says 'Installed Successfully' and 'Click Launch to start Lenovo Cloud Deploy.' At the bottom, there is a 'Launch' button with a red arrow pointing to it, and a 'Close' button. The 'Lenovo Services' vertical bar is on the right.

Lenovo Cloud Deploy Setup
Installed Successfully

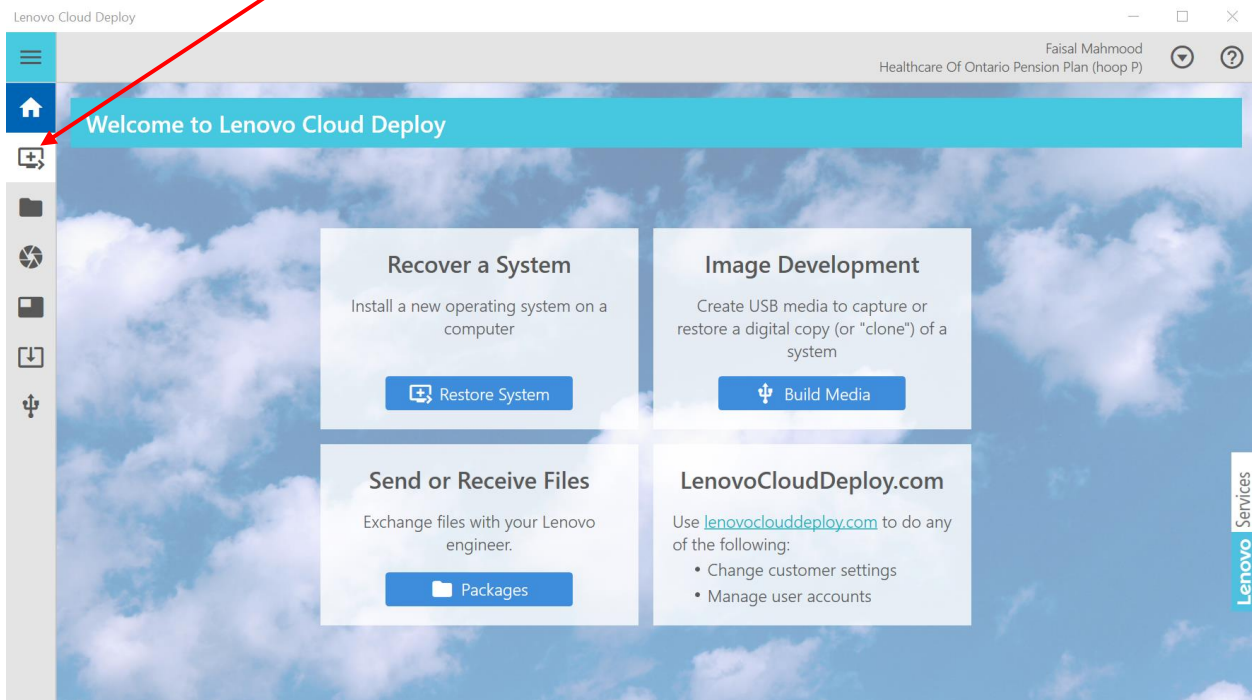
Click Launch to start Lenovo Cloud Deploy.

Launch Close

Sign in with Faisal account (email address and password)



Below is various screen that are available for configuration. For our exercise we are going to use the second button below home screen



Lenovo Cloud Deploy

Faisal Mahmood
Healthcare Of Ontario Pension Plan (hoop P)

Packages

Packages can be uploaded to Lenovo Cloud. Only packages uploaded by Lenovo ITC can be downloaded.

<input checked="" type="checkbox"/>	Status	Description	Date Modified	Size	Uploader	Uploaded By	
<input checked="" type="checkbox"/>		Lenovo T14	6/13/2023 11:45:23 AM	8.41 GB	Customer	Faisal Mahmood	

1 item 1 item selected (8.41 GB) 1 of 1 selected items cannot be downloaded.

Create New Download Delete

Lenovo Cloud Deploy

Faisal Mahmood
Healthcare Of Ontario Pension Plan (hoop P)

Quick Images

A Quick Image is a digital copy (or "clone") of an installed operating system environment, including the partition layout, operating system settings and installed applications. You can capture a Quick Image of a system by booting Lenovo Cloud Deploy USB media. If you captured a Quick Image to USB media, you may upload it here.

<input type="checkbox"/>	Status	Description	Date Modified	Size	Uploader	Uploaded By
0 items						

Upload Download Delete

Lenovo Cloud Deploy

Faisal Mahmood
Healthcare Of Ontario Pension Plan (hoop P)

Deployments

Deployments are restored using the Restore System feature. A deployment includes image content, but also can support additional requirements like encryption, service-partition creation, or First Boot Services. Lenovo engineers make new deployments available. The Production Status determines which users can use the deployment.

<input checked="" type="checkbox"/>	Status	Description	Production Status	Date Modified	Size	
<input checked="" type="checkbox"/>		T14 Intel Gen3 Factory Image W10E 22H2	Evaluation	6/15/2023 3:17:09 PM	6.30 GB	

1 item 1 item selected (6.30 GB)

Create New Download Delete

Lenovo Cloud Deploy

Faisal Mahmood
Healthcare Of Ontario Pension Plan (hoop P)

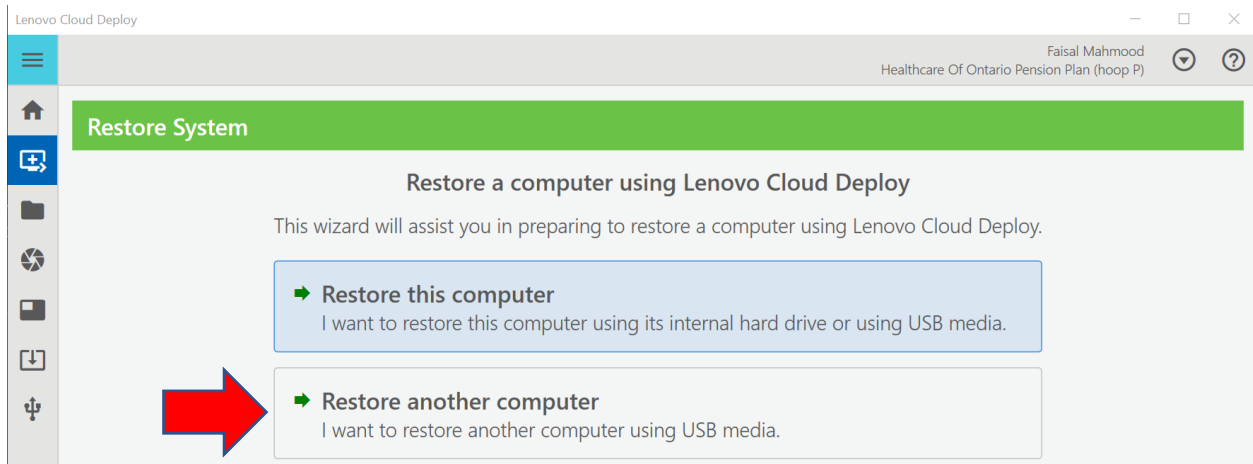
Provisioning Kits

Provisioning kits are applied using the Provision System Wizard application, available to download from lenovoclouddeploy.com. Lenovo engineers make new provisioning kits available. The Production Status determines which users can use the kit.

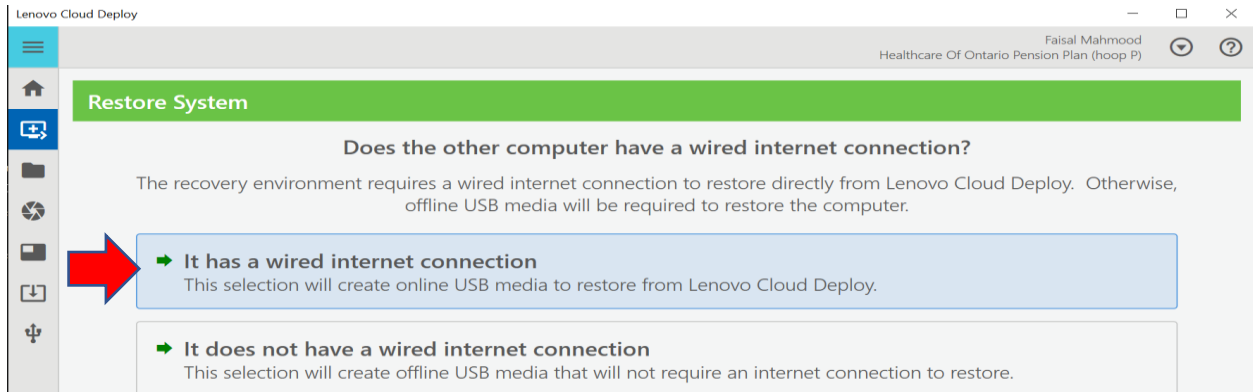
<input type="checkbox"/>	Production Status	Description	Date Modified	Size
0 items				

Create New Delete

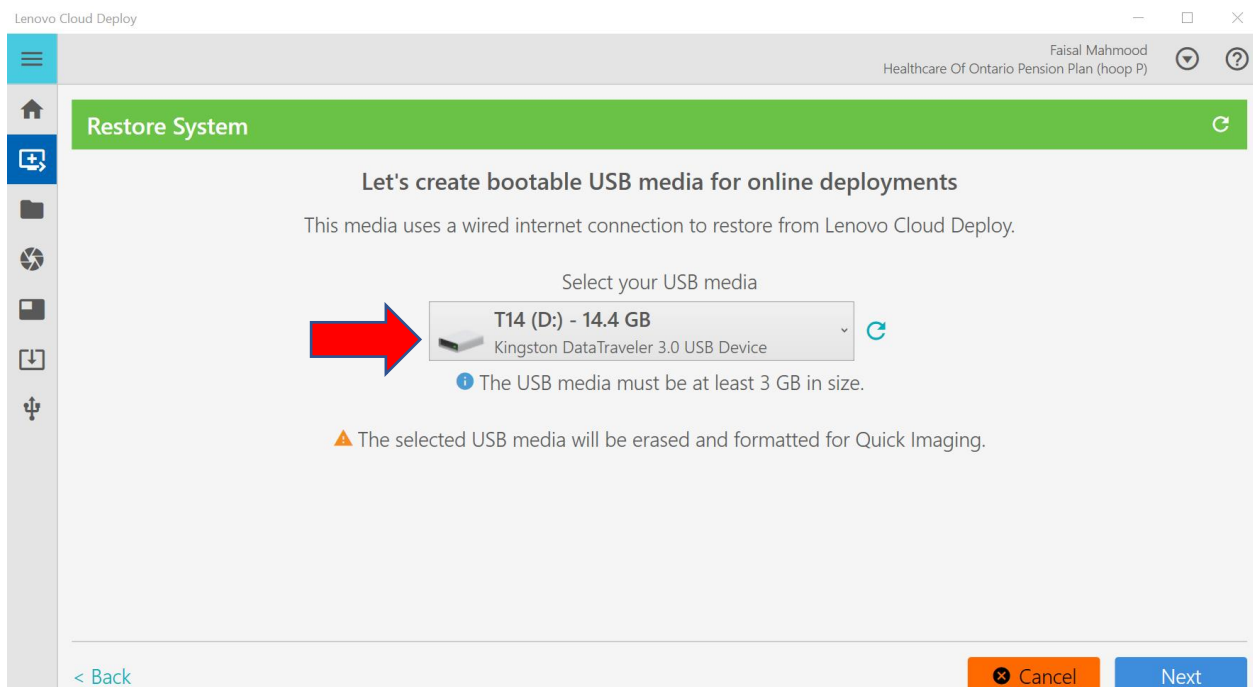
Click Restore another computer



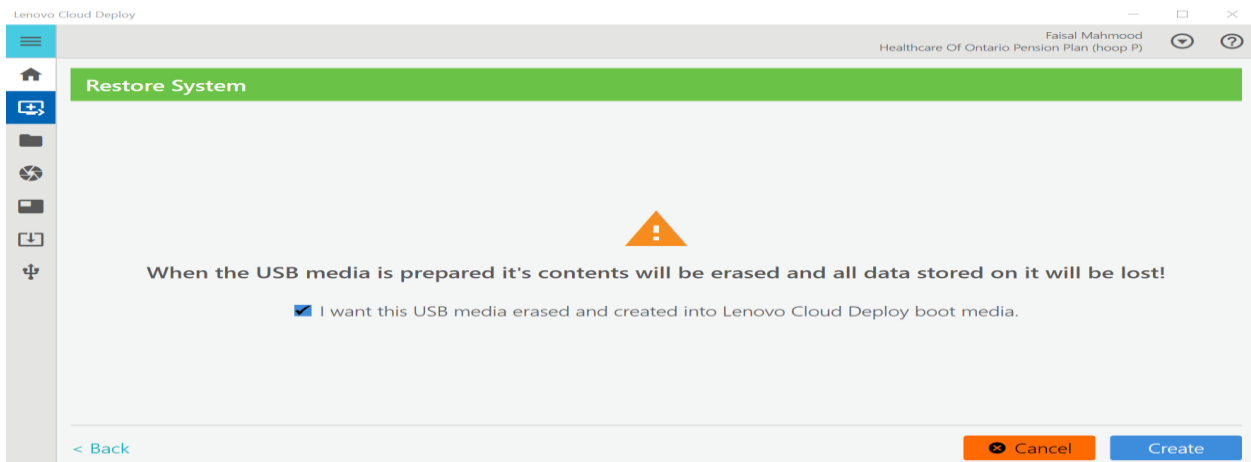
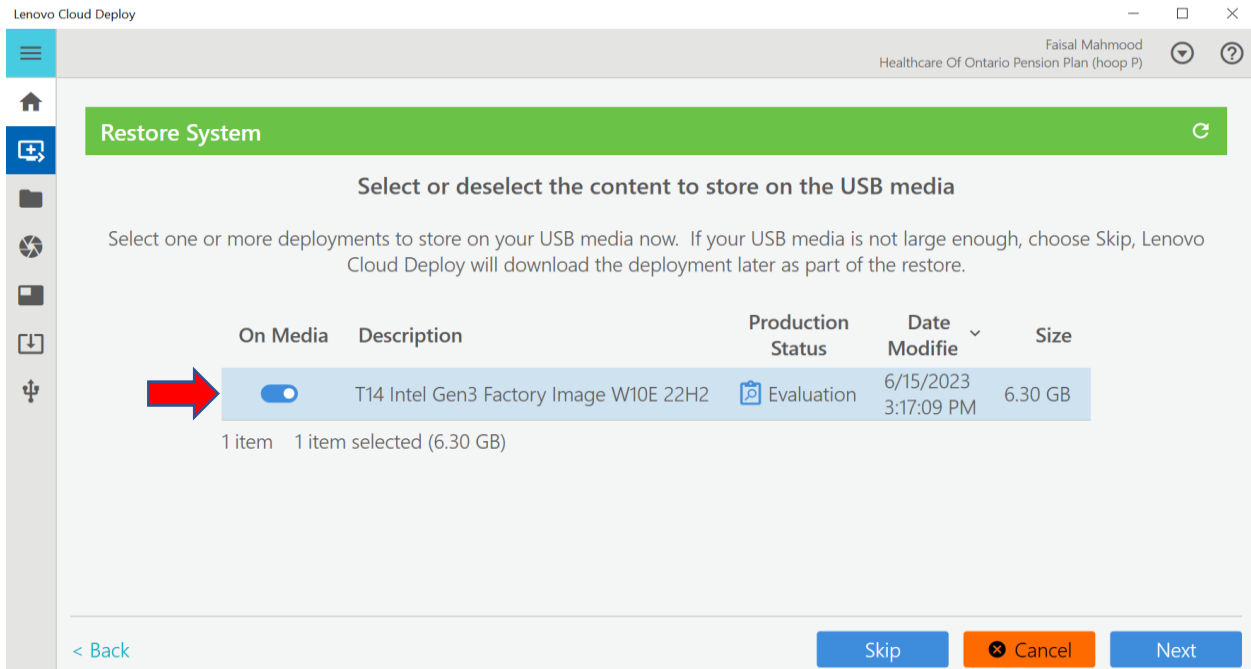
Here you have 2 options (Wired or Not Wired internet connection) which is self-explanatory.



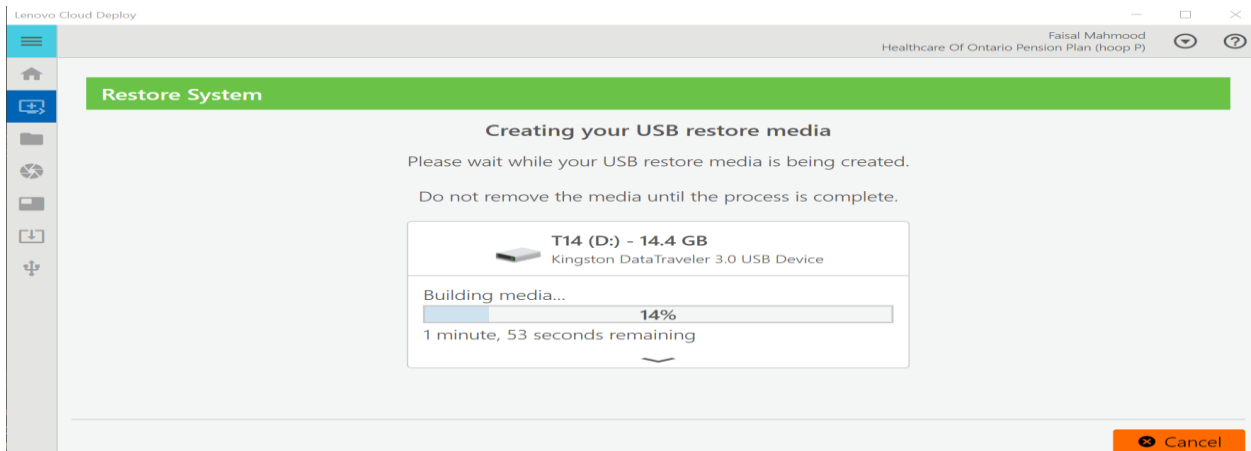
Make sure to plug in USB media (minimum 16GB free space)



This is the evaluation/test image Lenovo Tech (Ted) created for HOOPP using the ISO we upload to them on 13th Jun. Select this image



It took about 9 minutes to create bootable USB stick



Below is a clear instruction on how to use bootable media for testing.

Lenovo Cloud Deploy

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Healthcare Of Ontario Pension Plan (hoop P)

Restore System

Follow these steps to begin the Lenovo deployment process

1. Connect the Lenovo Cloud Deploy USB media to the target computer.
2. Connect the computer to AC power and make sure it has a wired Ethernet cable connected to the internet.
3. Turn on or reboot the computer.
4. For a Lenovo computer, press **Enter** to interrupt normal startup and select the option to choose a temporary startup device. For other vendors, press the appropriate key to enter the computer's boot selection menu.
 - If you do not see this message (or miss it), let the computer finish booting into Windows and then restart the computer and try again.
5. Wait a moment as the computer loads the boot menu with a list of choices.
6. Select the appropriate boot entry that references your USB boot media.
7. The computer boots from the USB device and launch Lenovo Cloud Deploy.
8. Log into the Lenovo Cloud Deploy application and continue the Restore System wizard.

Finish

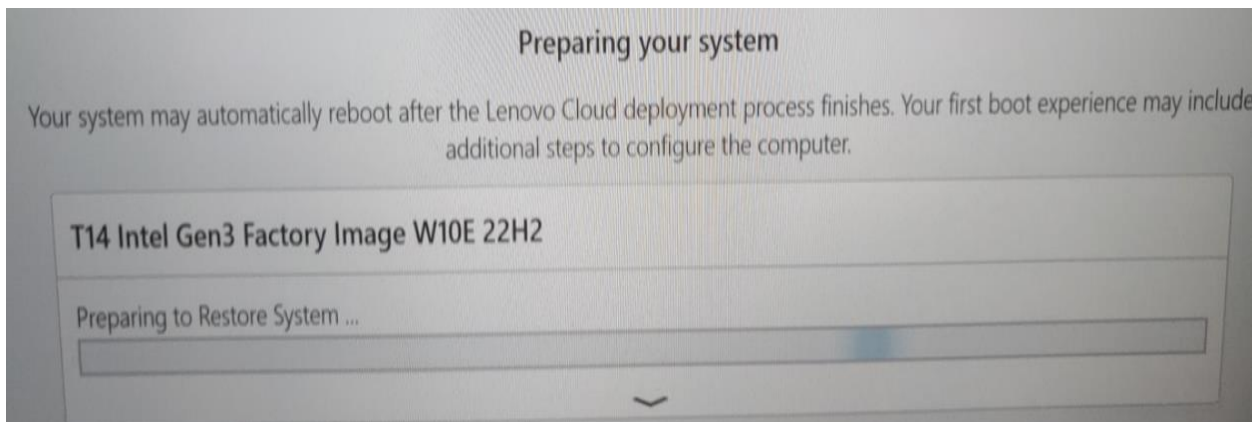
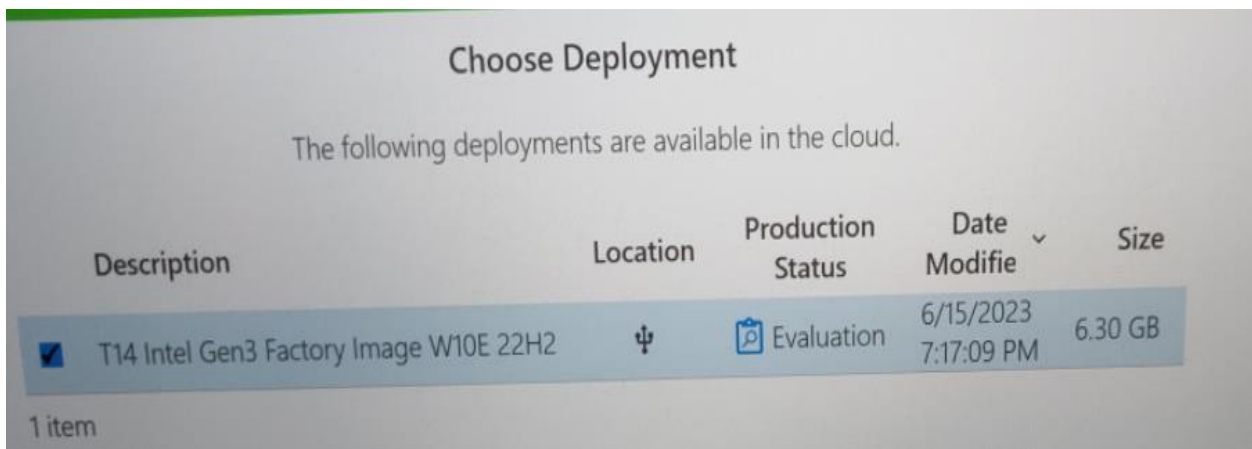
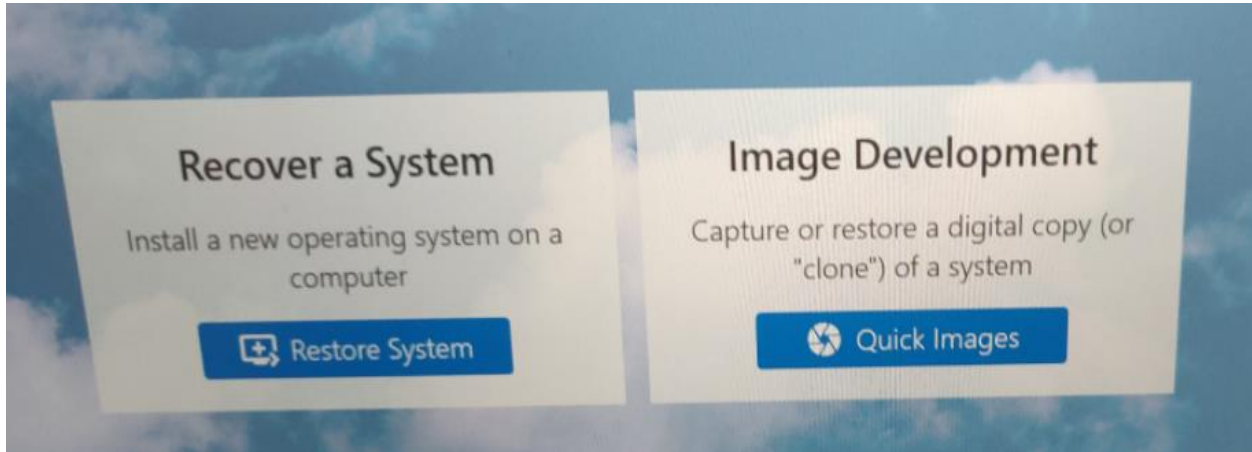
These are the contents on the bootable USB media.

Name	Date modified	Type	Size
Boot	6/16/2023 2:29 PM	File folder	
CURRENT_DEPLOY	6/16/2023 2:29 PM	File folder	
DEPLOYMENTS	6/16/2023 2:29 PM	File folder	
DEPLOYTOOLS	6/16/2023 2:29 PM	File folder	
EFI	6/16/2023 2:29 PM	File folder	
en-us	6/16/2023 2:29 PM	File folder	
LCD	6/16/2023 2:30 PM	File folder	
LCD_DB	6/16/2023 2:30 PM	File folder	
LOGS	6/16/2023 2:29 PM	File folder	
QUICKIMAGE	6/16/2023 2:29 PM	File folder	
sources	6/16/2023 2:29 PM	File folder	
AUTORUN.INF	6/16/2023 2:42 PM	Setup Information	1 KB
bootmgr	7/26/2022 1:41 PM	File	432 KB
bootmgr.efi	7/26/2022 1:41 PM	EFI File	2,497 KB
Sysprep Assistant.exe	8/31/2022 2:15 PM	Application	656 KB

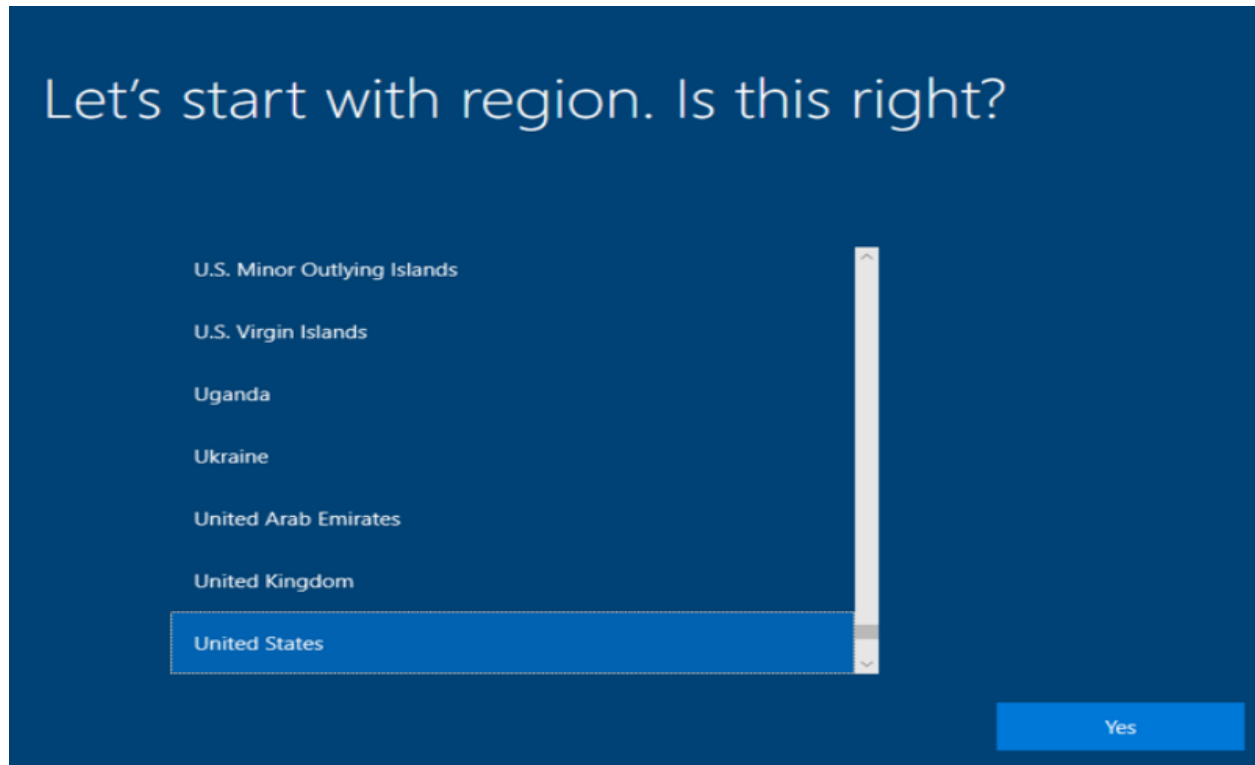
To test Lenovo Image on T14 below are the steps

Plug in the USB – Connect Power Adapter – Connect Network Cable – Power on T14 laptop

Press Enter to boot to F12 – Select USB bootable disk – Wait few minutes for Lenovo Cloud Utility to start. This is what you will see – Click Restore system and follow the prompts



Once restore is done – remove USB stick and reboot the system. On reboot T14 will be OOBE ready for AutoPilot



Plug in Hardware Hash USB stick to capture hardware hash. Press Shift + F10 to open Command Prompt. Change Drive letter to D – Delete Comphash.csv file and run GetAutoPilot.cmd. Upload the hash at EndPoint – Wait for few minutes to start autopilot process.

We did this exercise to validate/test the image Lenovo will be using at their site on new hardware that will be shipped out to HOOPP for Evergreen Project.

Thanks

Ram

16th Jun 2023