

IN150

Foundations for Success in IT Careers

Seminar 3

AGENDA

IN150 - Seminar 3

1. Windows 11 Lab (2.1.13 Lab)
2. Configuring a Firewall (1.4.14 Lab)
3. Configure Privacy Settings in Google Chrome (1.4.15 Lab)
4. Clear Browser Cache (1.4.16 Lab)
5. Responding to Social Engineering (1.4.17 Lab + Video)
6. Looking Ahead

Note: Any labs we do in seminar, will still need to be done separately in the CompTIA environment to receive credit through the automatic grading system. Our coverage is to help you practice and maximize your performance for the labs.



WINDOWS 11 LAB

2.1.13 Lab

WINDOWS 11 LAB

Purpose

The purpose of this lab is to get you familiar with using the Windows 11 Operating System and in particular, the **Settings** menu.

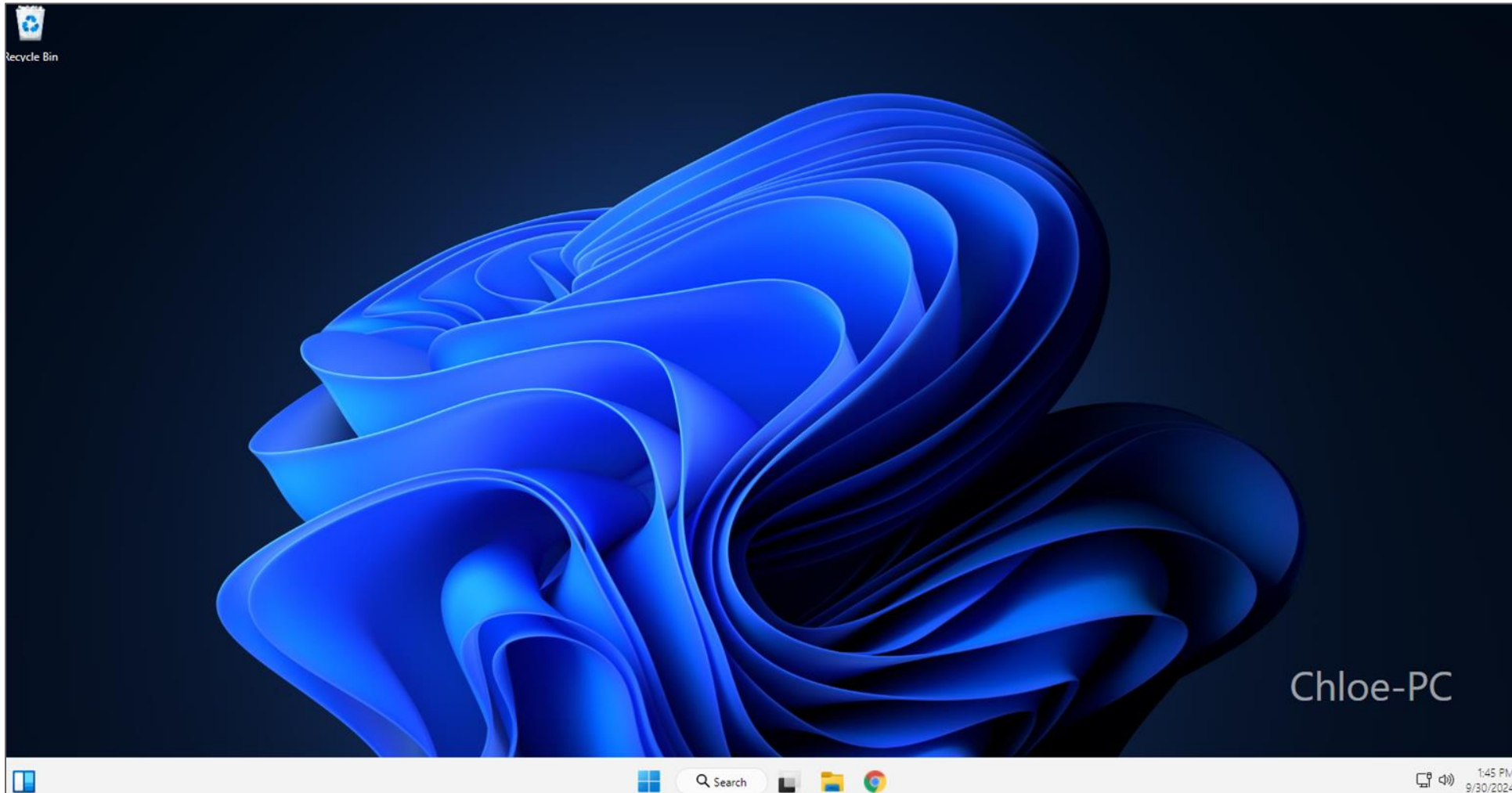
We will go through the lab here.



WINDOWS 11 LAB

Step 1: Settings Menu

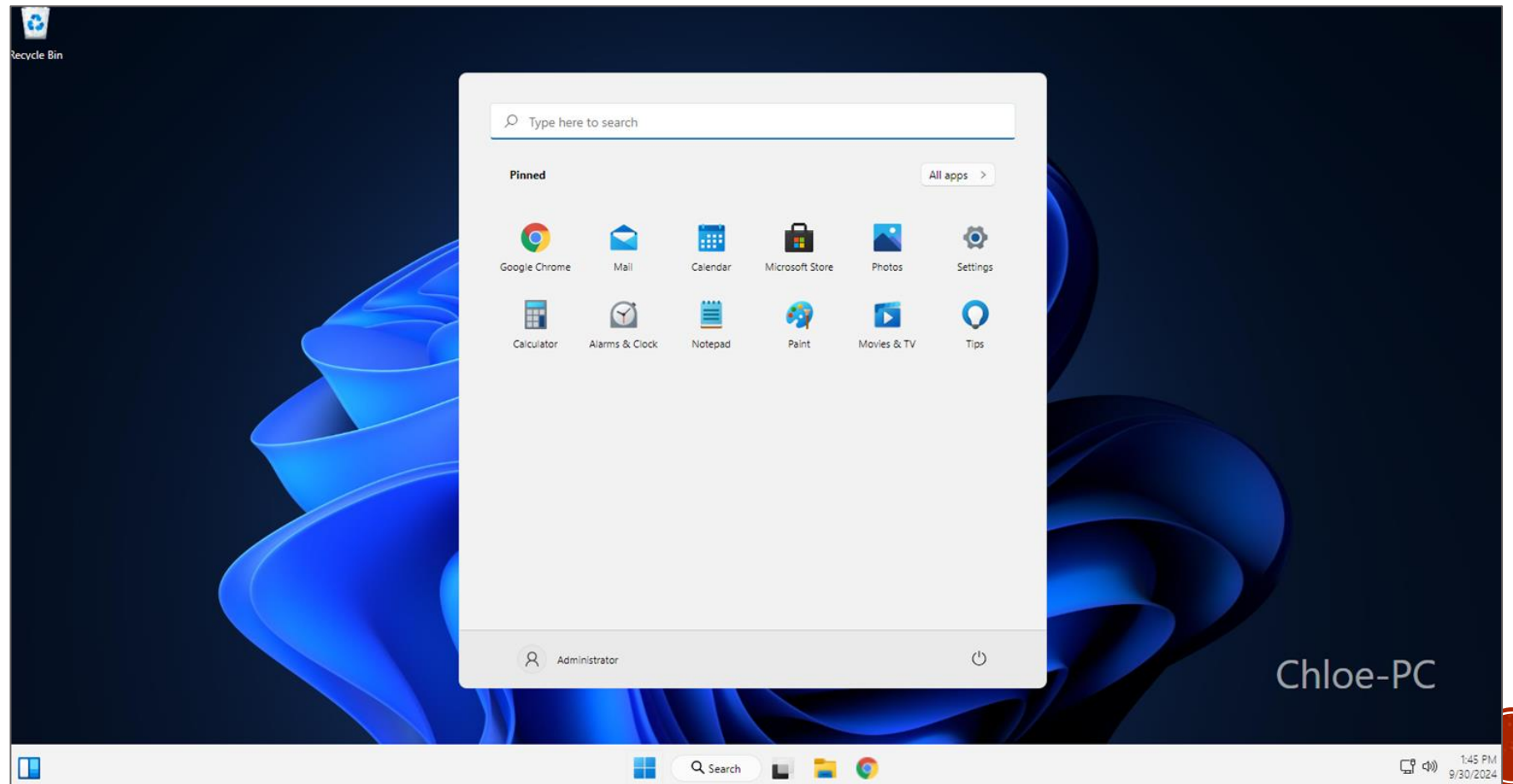
How do you get to the **Settings** menu?



WINDOWS 11 LAB

Step 1: Settings Menu

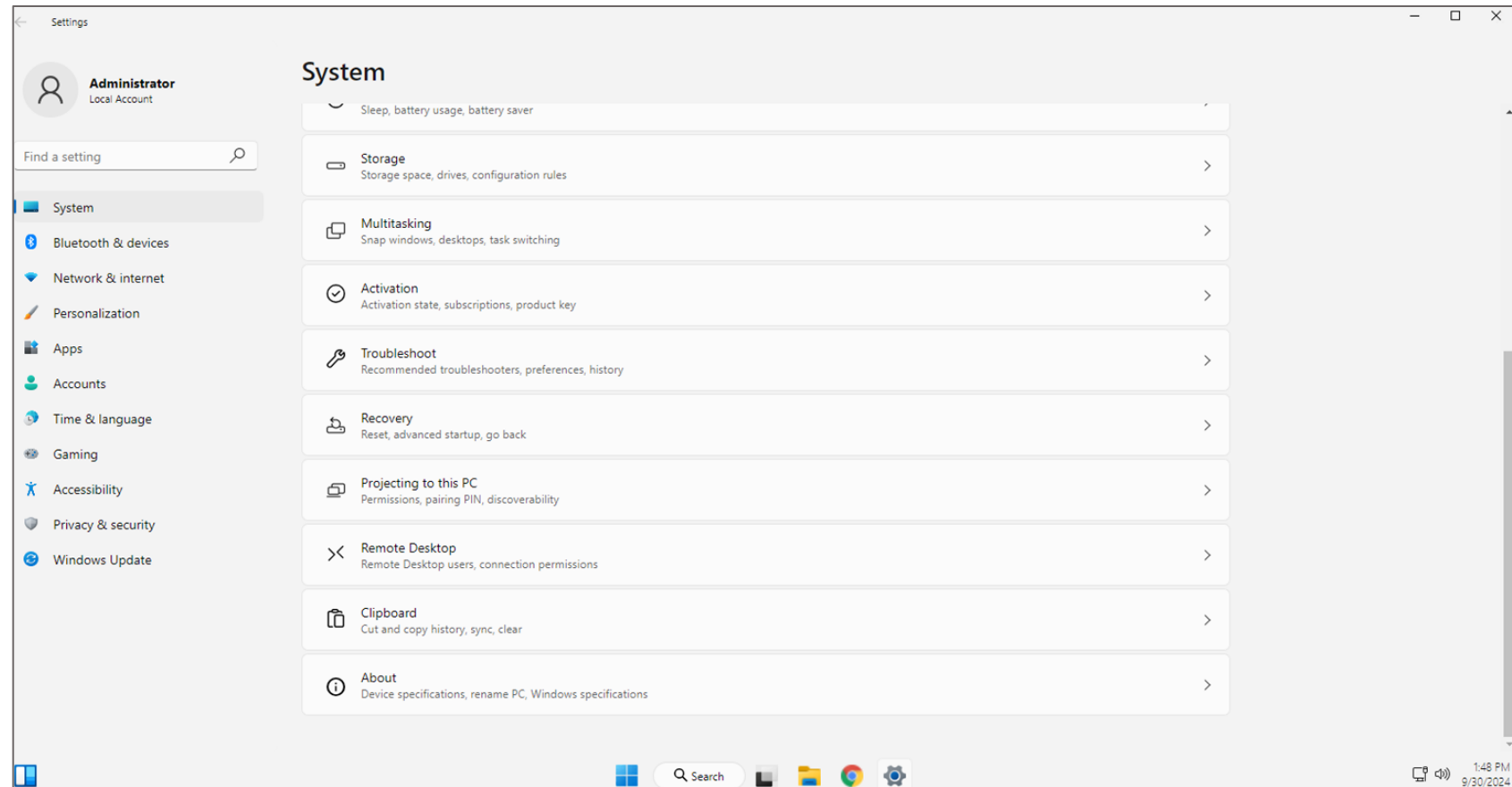
How do you get to the **Settings** menu?



WINDOWS 11 LAB

Step 1: Settings Menu

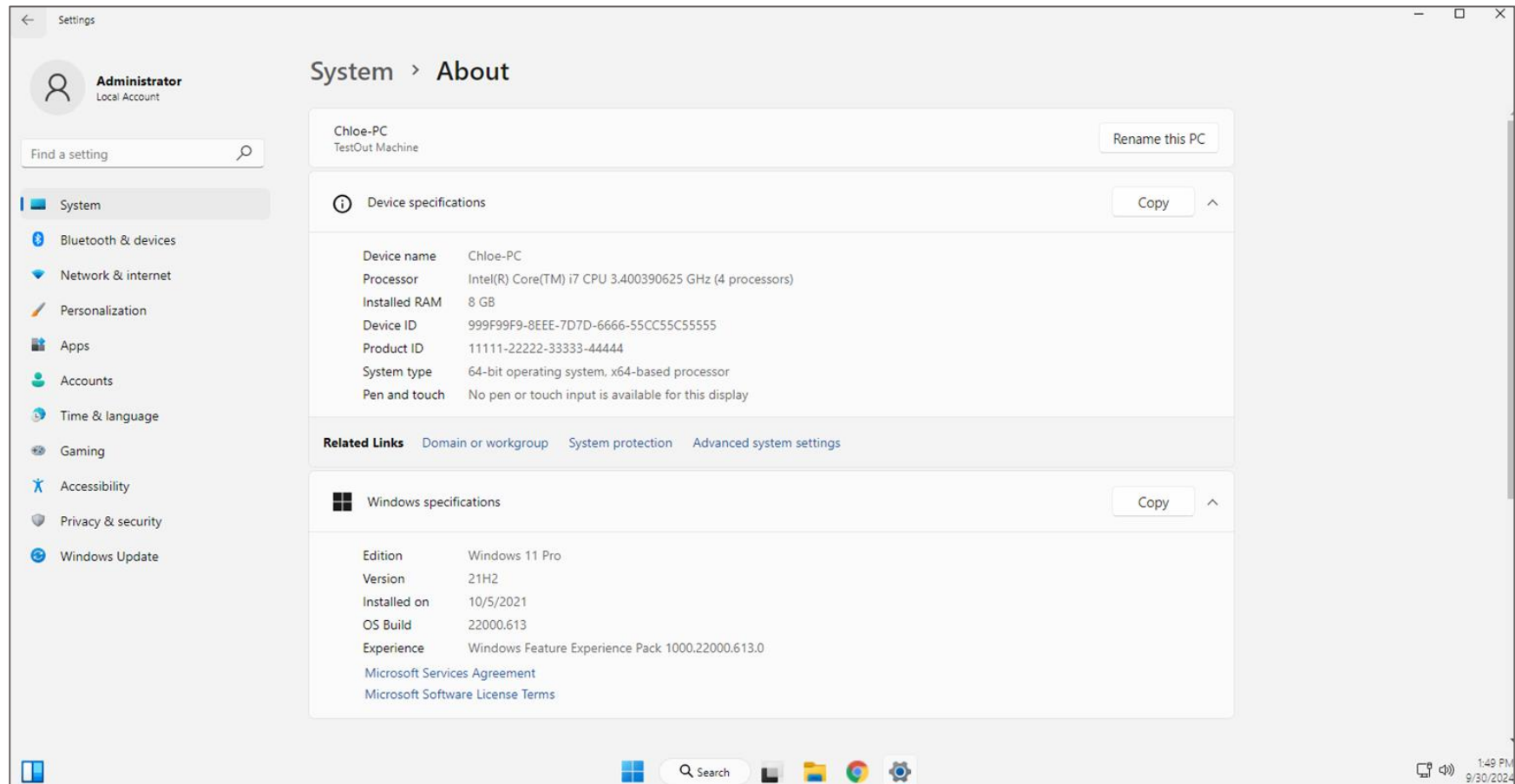
Where can you get more information about the computer under the **Settings** menu?



WINDOWS 11 LAB

Step 2: Display Settings

Where could you go to pull up the **Display Settings** for the computer?



The screenshot shows the Windows 11 Settings application. The left sidebar contains the following categories: System (selected), Bluetooth & devices, Network & internet, Personalization, Apps, Accounts, Time & language, Gaming, Accessibility, Privacy & security, and Windows Update. The main content area is titled "System > About" and displays the following information:

- Chloe-PC** (TestOut Machine) with a "Rename this PC" button.
- Device specifications** (with an information icon and a "Copy" button):
 - Device name: Chloe-PC
 - Processor: Intel(R) Core(TM) i7 CPU 3.400390625 GHz (4 processors)
 - Installed RAM: 8 GB
 - Device ID: 999F99F9-8EEE-7D7D-6666-55CC55C55555
 - Product ID: 11111-22222-33333-44444
 - System type: 64-bit operating system, x64-based processor
 - Pen and touch: No pen or touch input is available for this display
- Related Links**: Domain or workgroup, System protection, Advanced system settings.
- Windows specifications** (with a "Copy" button):
 - Edition: Windows 11 Pro
 - Version: 21H2
 - Installed on: 10/5/2021
 - OS Build: 22000.613
 - Experience: Windows Feature Experience Pack 1000.22000.613.0
 - Links: [Microsoft Services Agreement](#), [Microsoft Software License Terms](#)

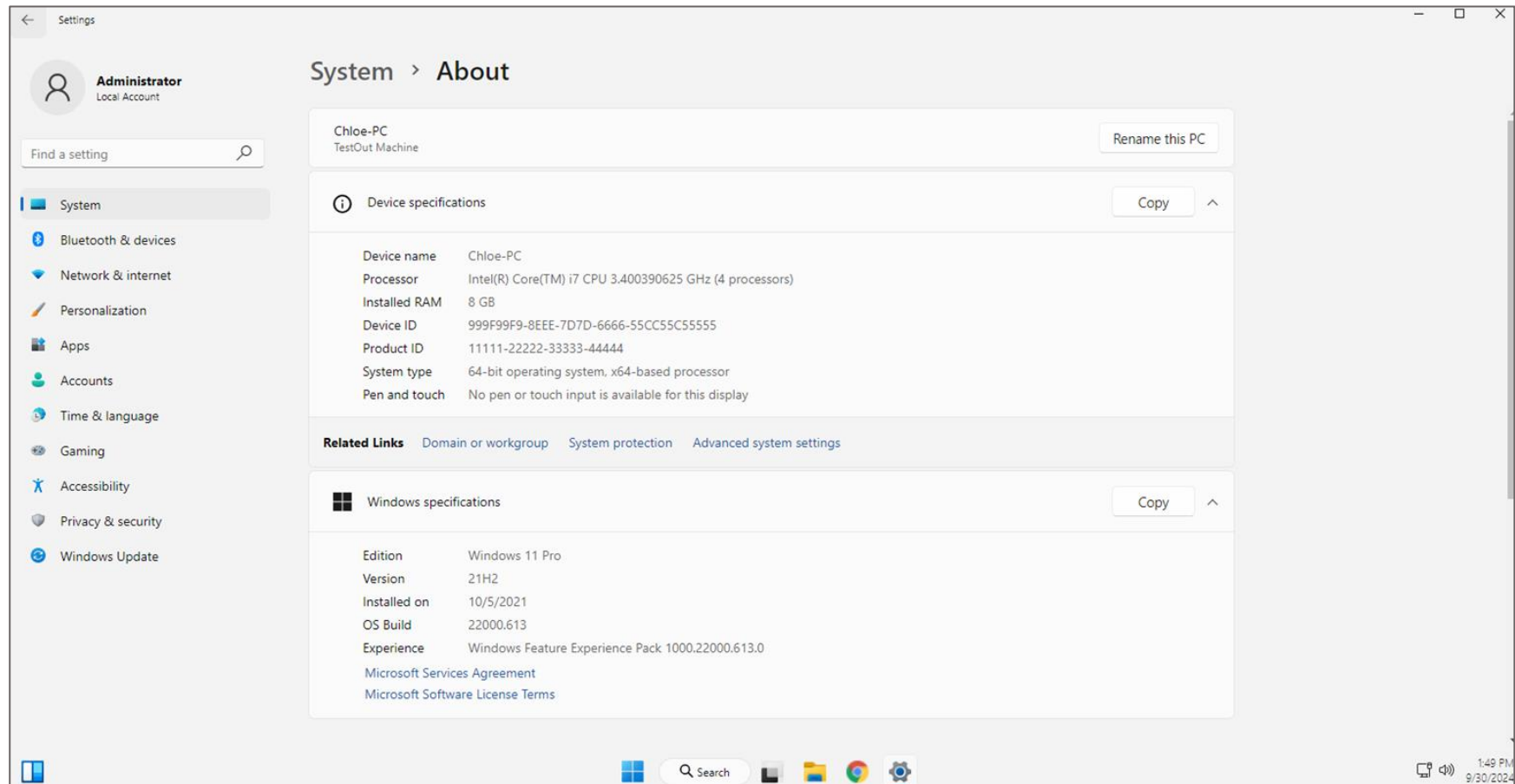
The taskbar at the bottom shows the Start button, Search, Task View, File Explorer, Google Chrome, and Settings. The system tray in the bottom right corner shows the date and time: 1:49 PM, 9/30/2024.



WINDOWS 11 LAB

Step 2: Display Settings

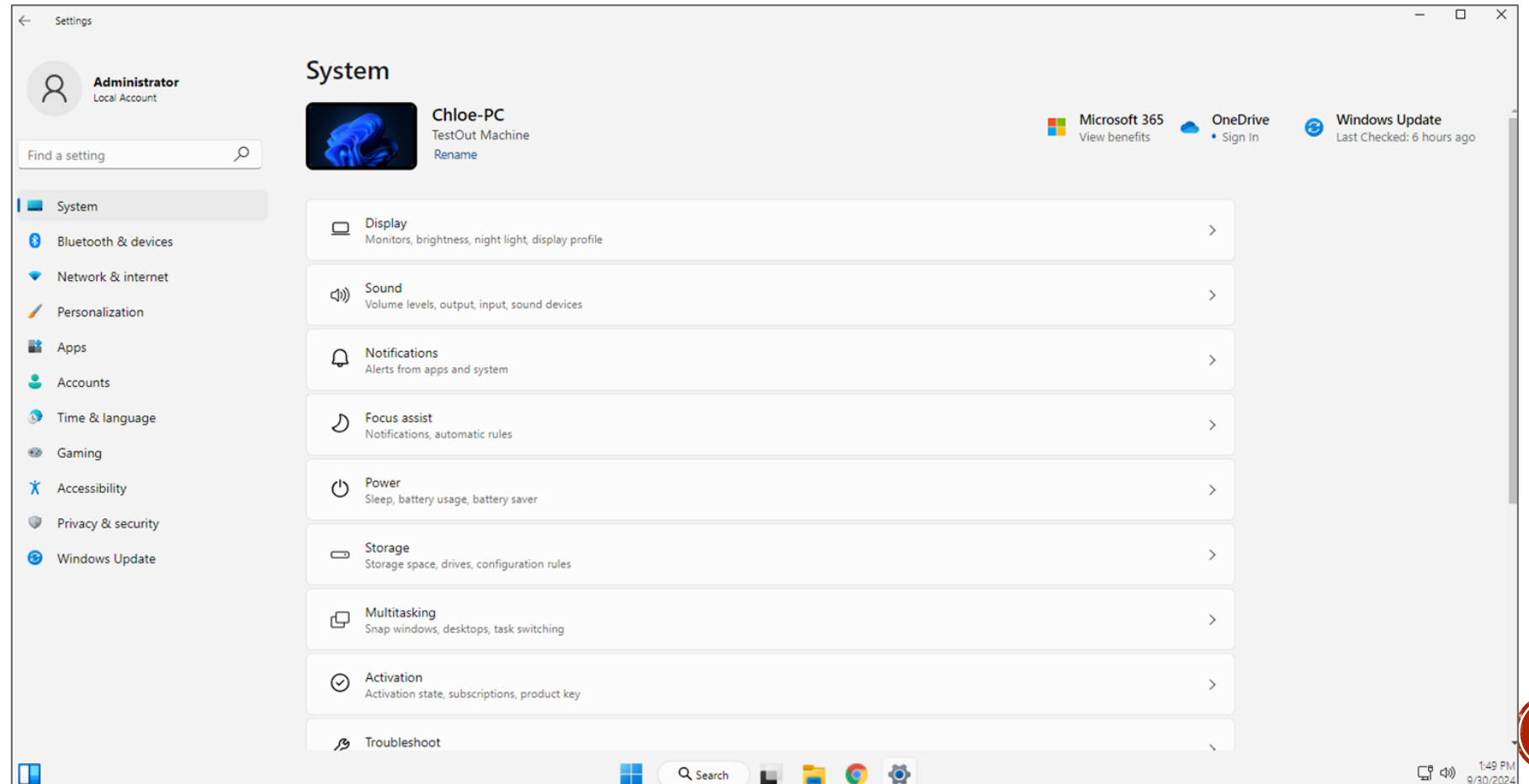
Where could you go to pull up the **Display Settings** for the computer?



WINDOWS 11 LAB

Step 2: Display Settings

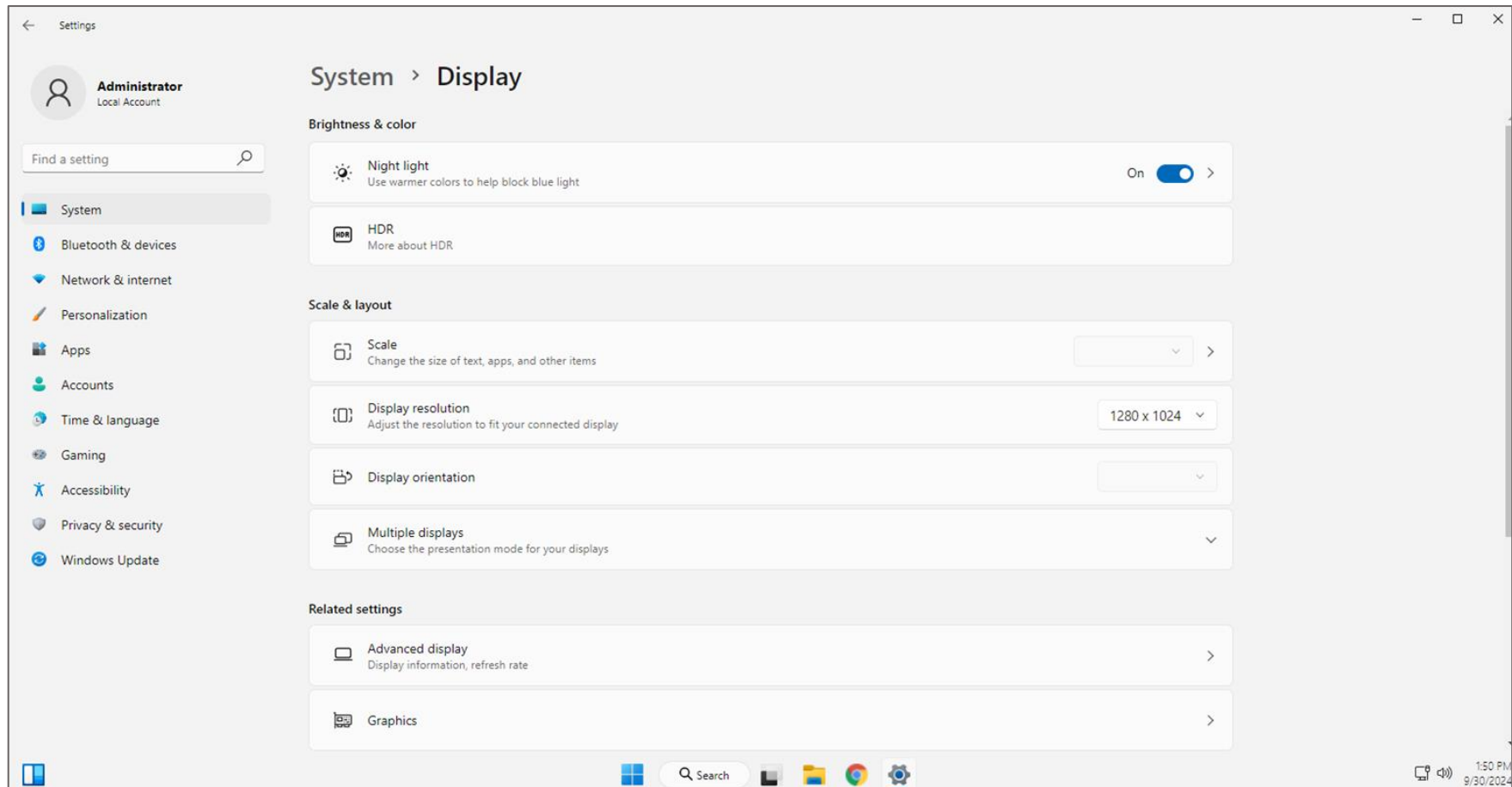
Where could you go to pull up the **Display Settings** for the computer?



WINDOWS 11 LAB

Step 2: Display Settings

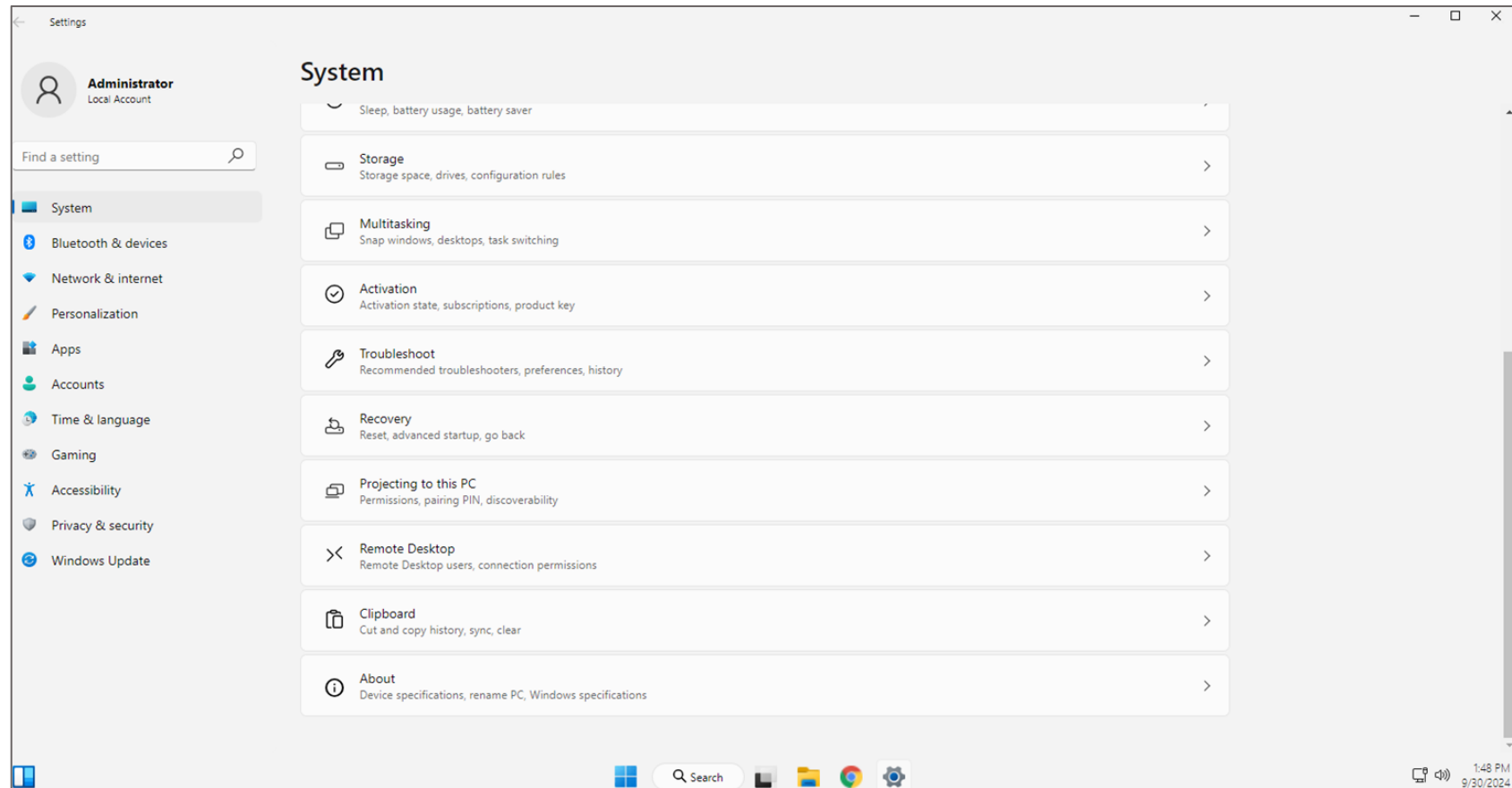
Where could you change the resolution to 1600x900?



WINDOWS 11 LAB

Step 3: Screensaver

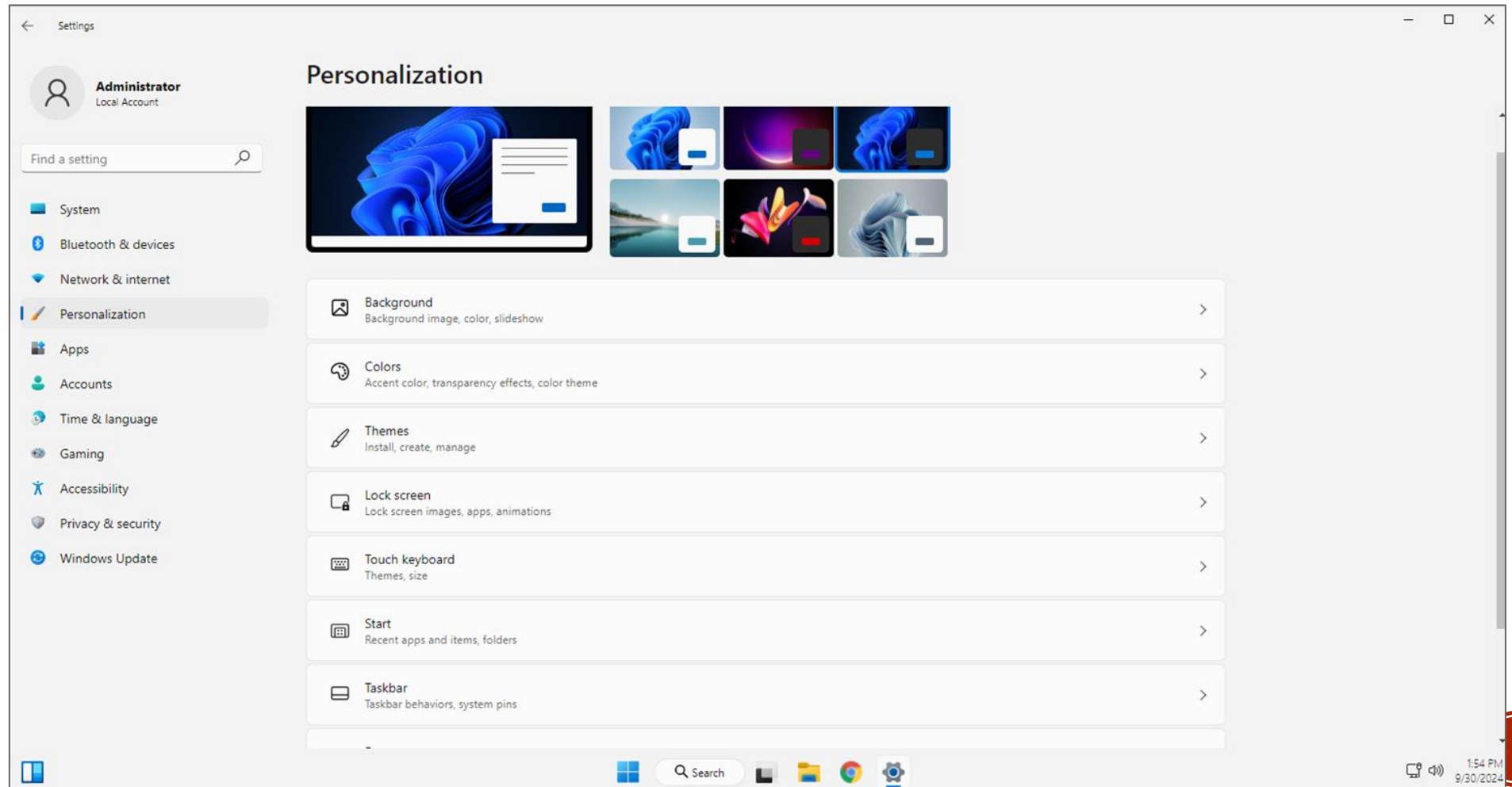
Where can you **Personalize** your screensaver?



WINDOWS 11 LAB

Step 3: Screensaver

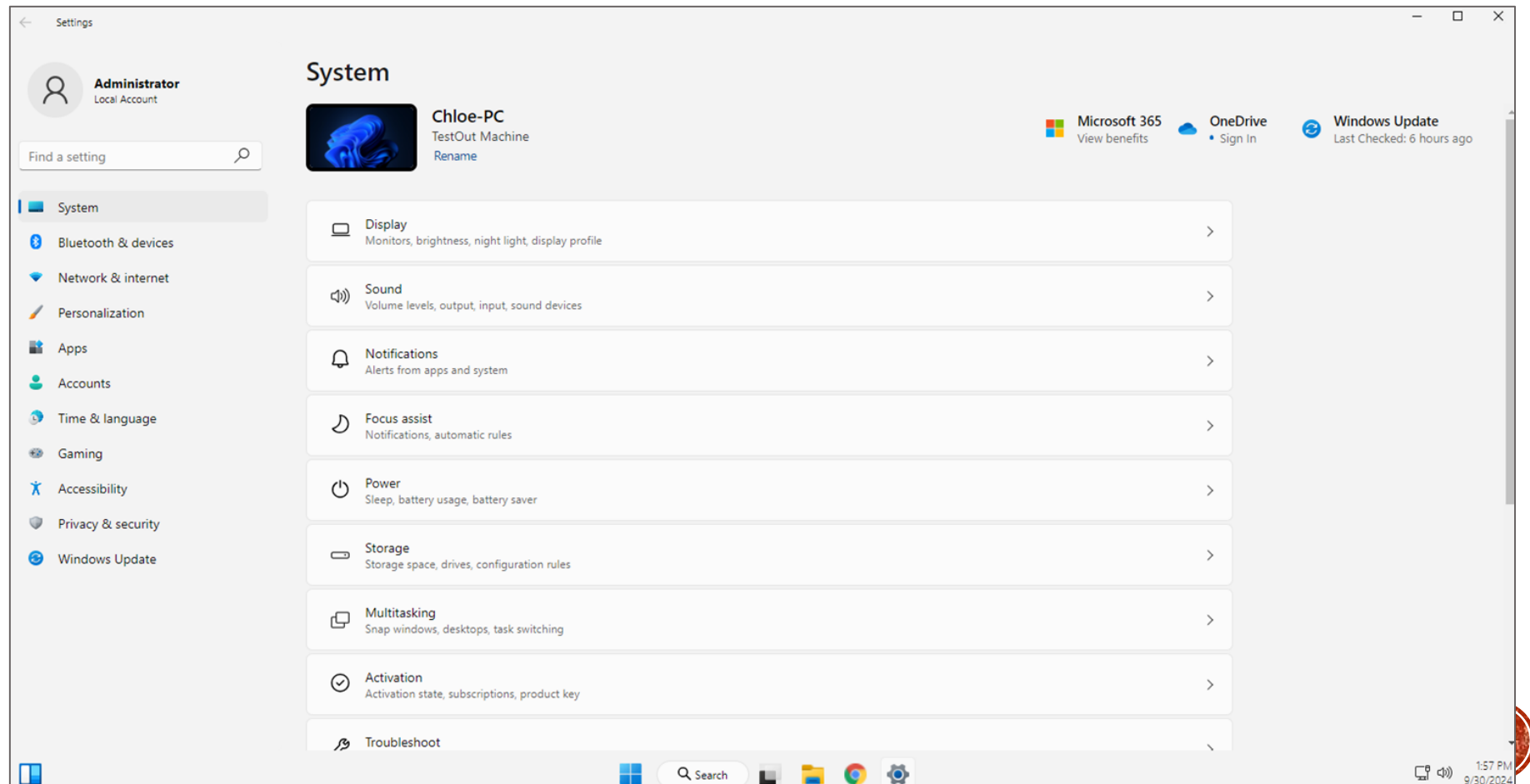
Where can you change your screensaver? (*Hint: Keep out!*)



WINDOWS 11 LAB

Step 4: Windows Update

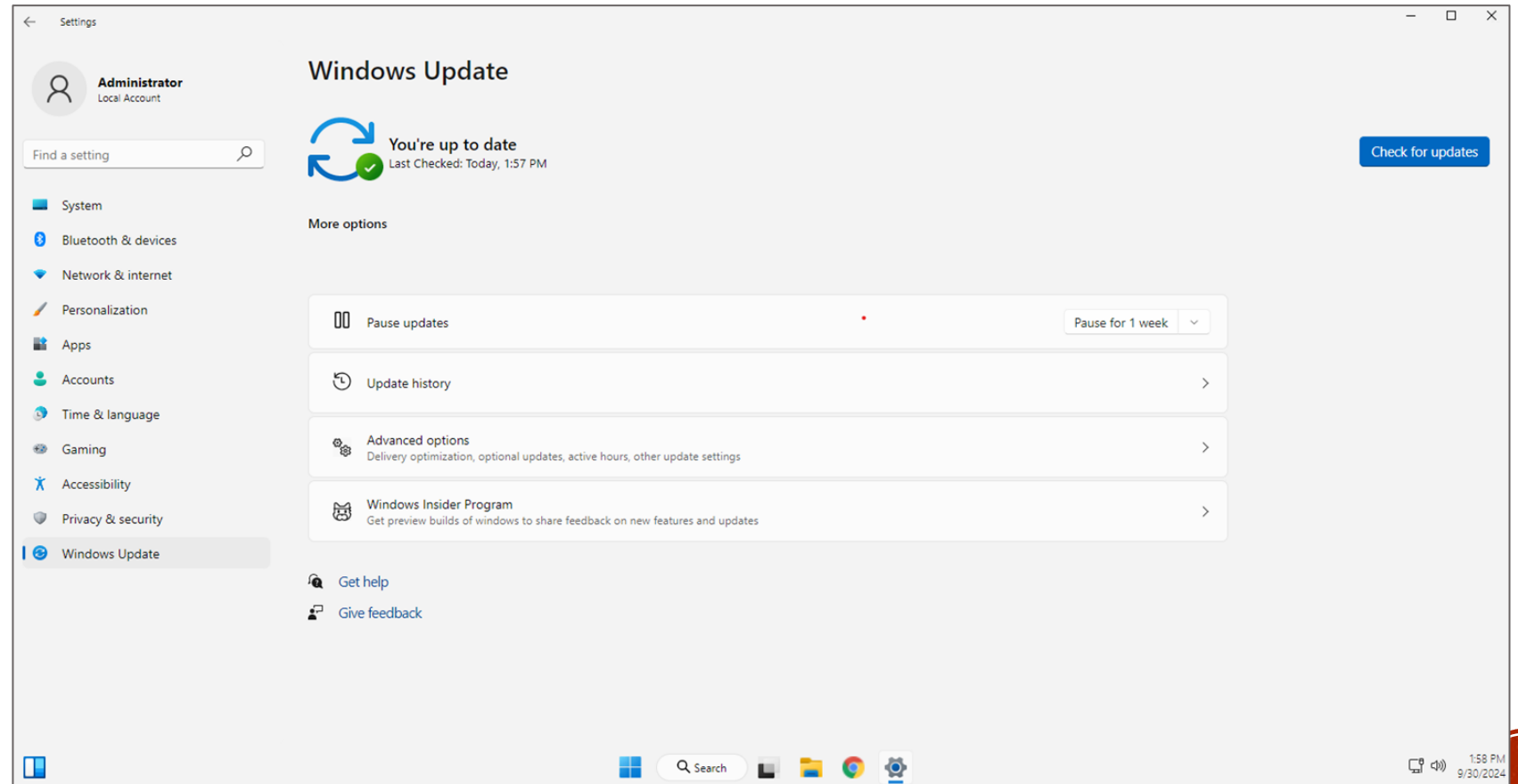
- Where can you look for updates from other Microsoft products?



WINDOWS 11 LAB

Step 4: Windows Update

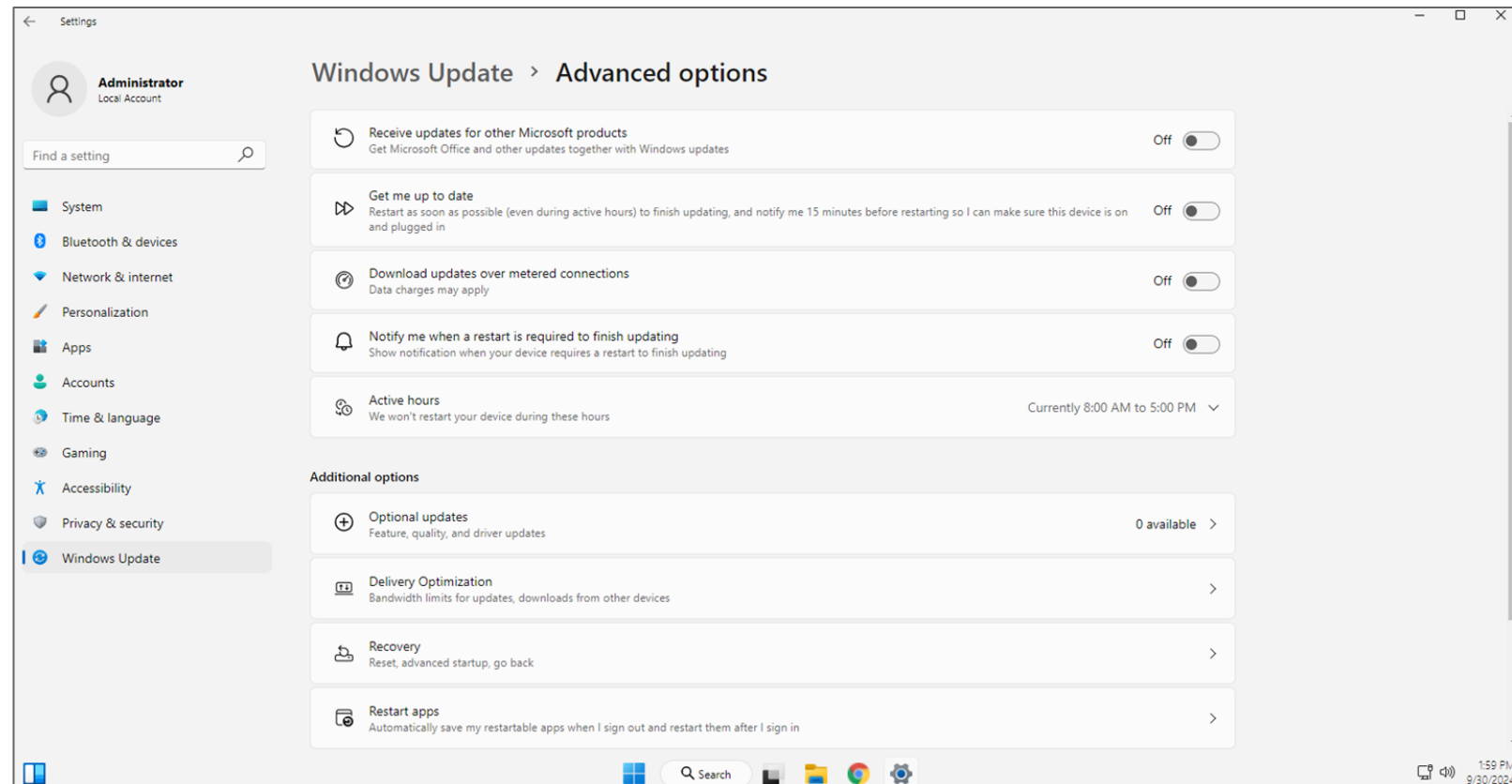
- Look for updates from other Microsoft products.



WINDOWS 11 LAB

Step 4: Windows Update

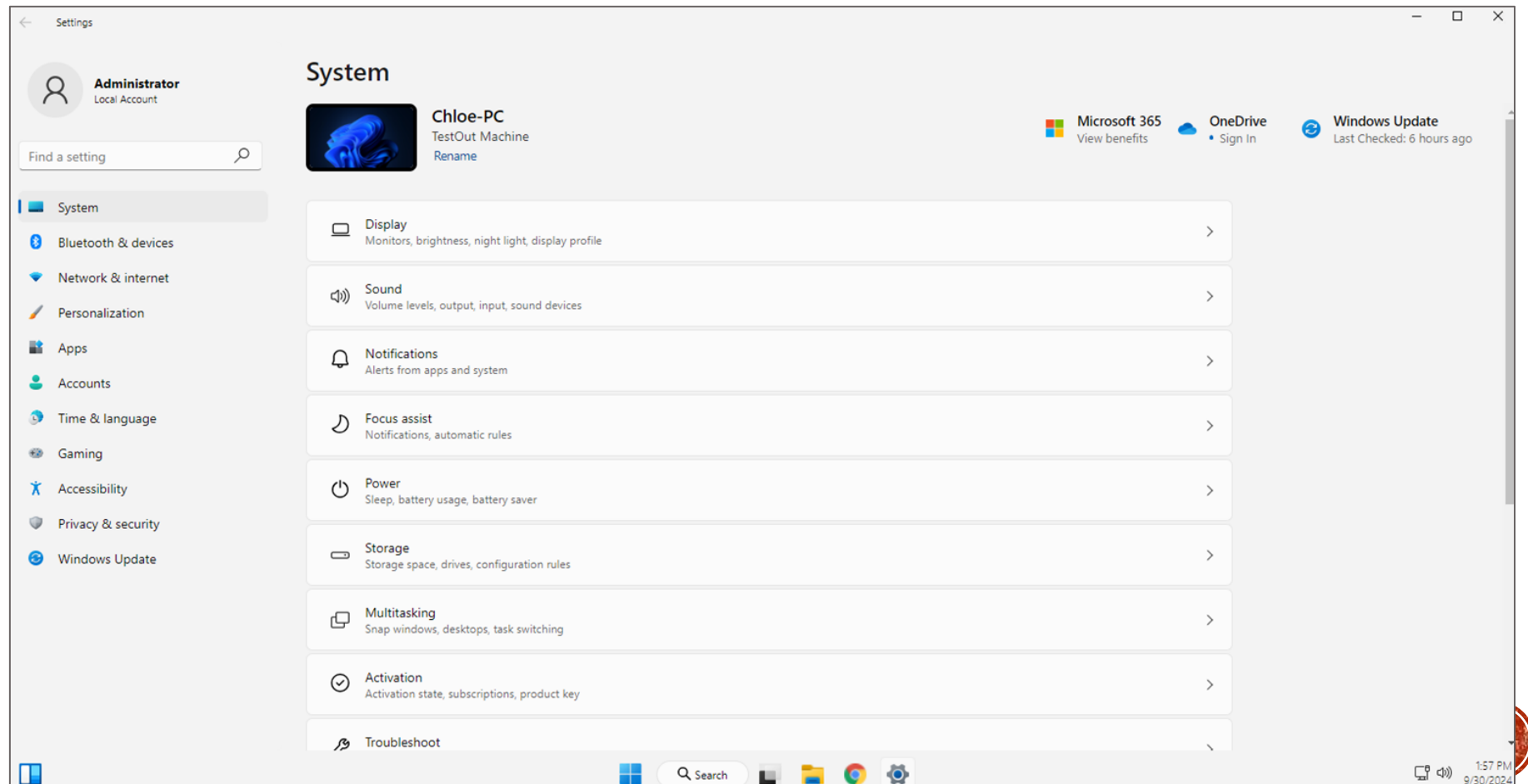
- Look for updates from other Microsoft products.



WINDOWS 11 LAB

Step 5: Windows Update

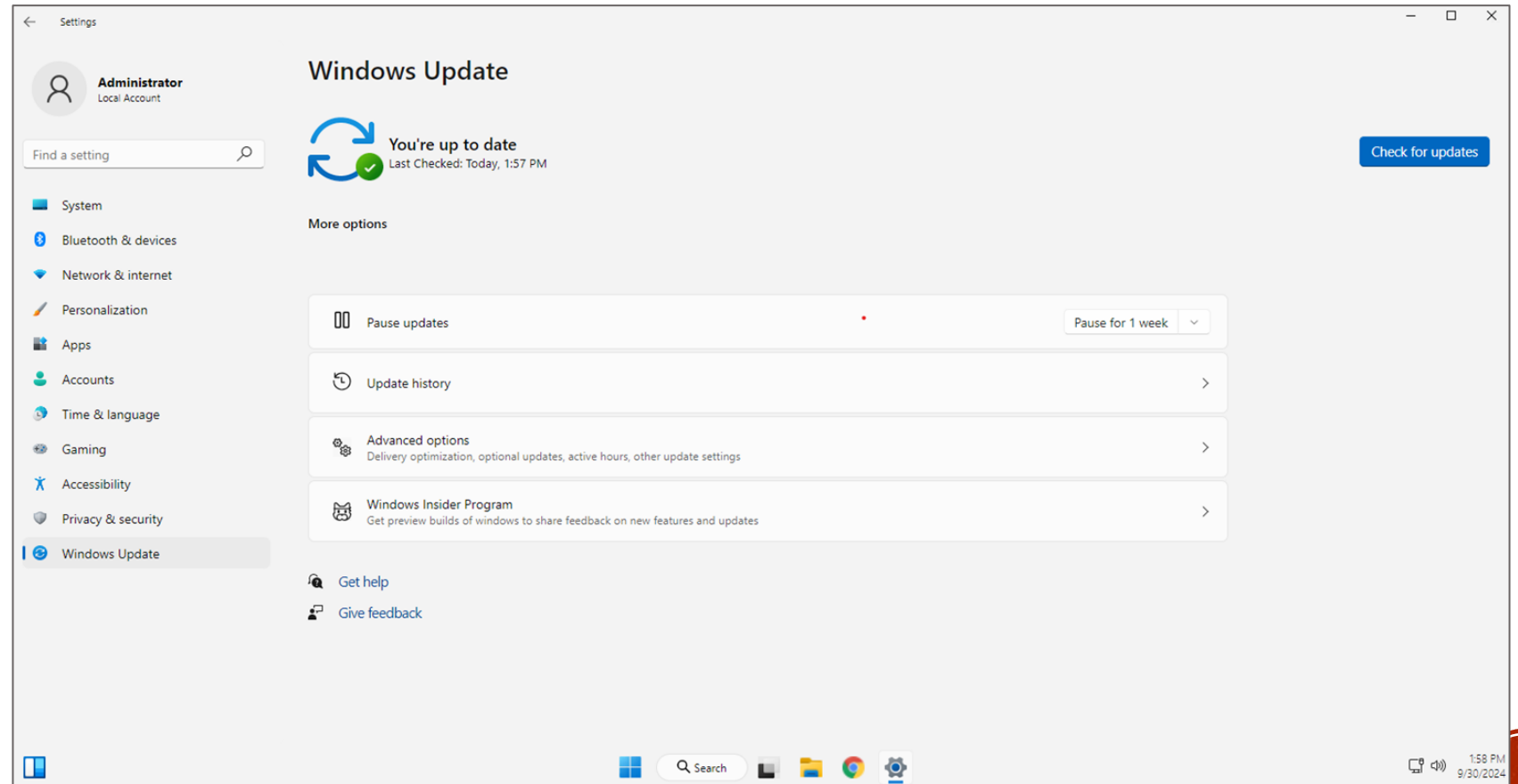
- Pause Windows updates.



WINDOWS 11 LAB

Step 5: Windows Update

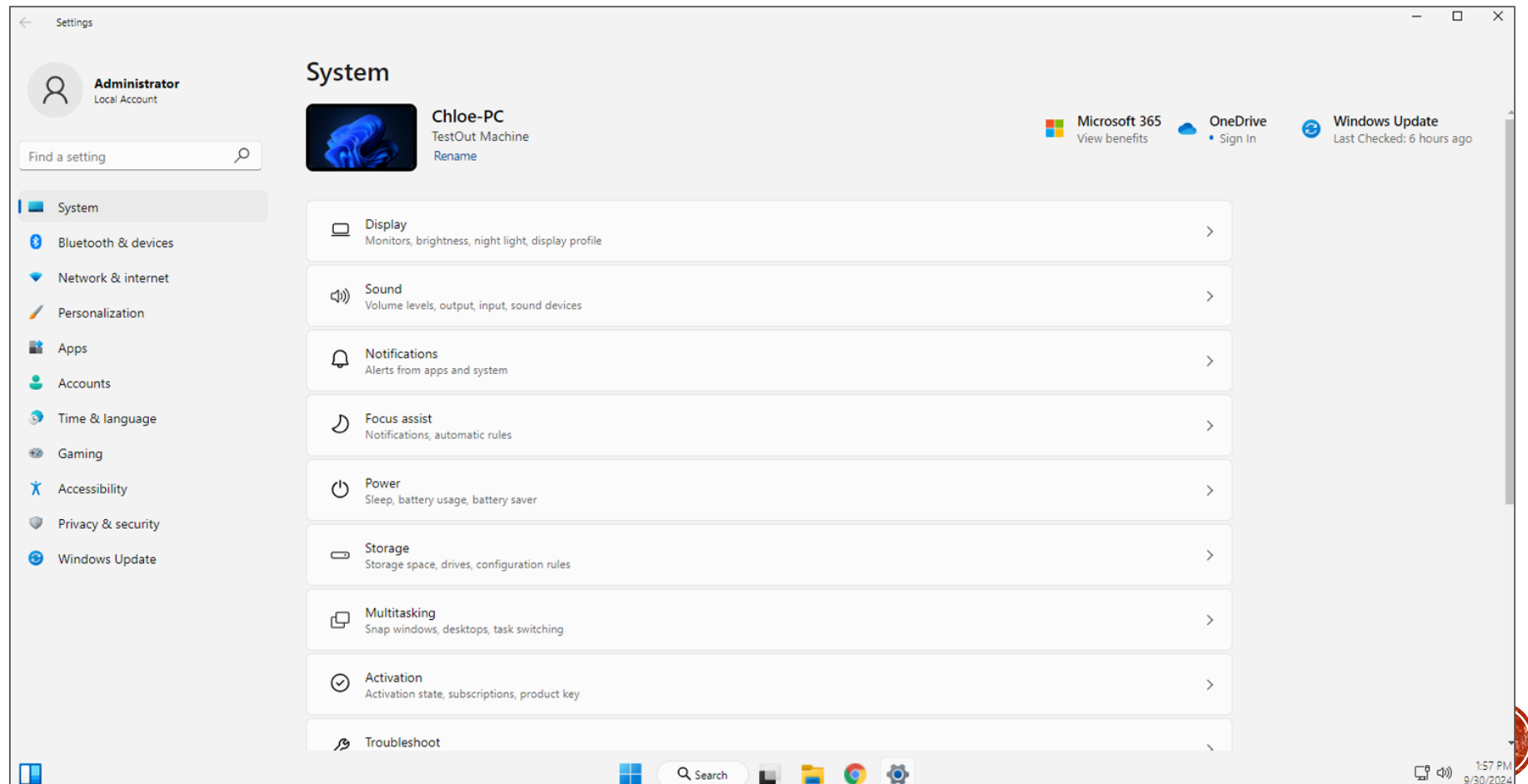
- Where can you pause for updates?



WINDOWS 11 LAB

Step 6: Add a Shared Printer

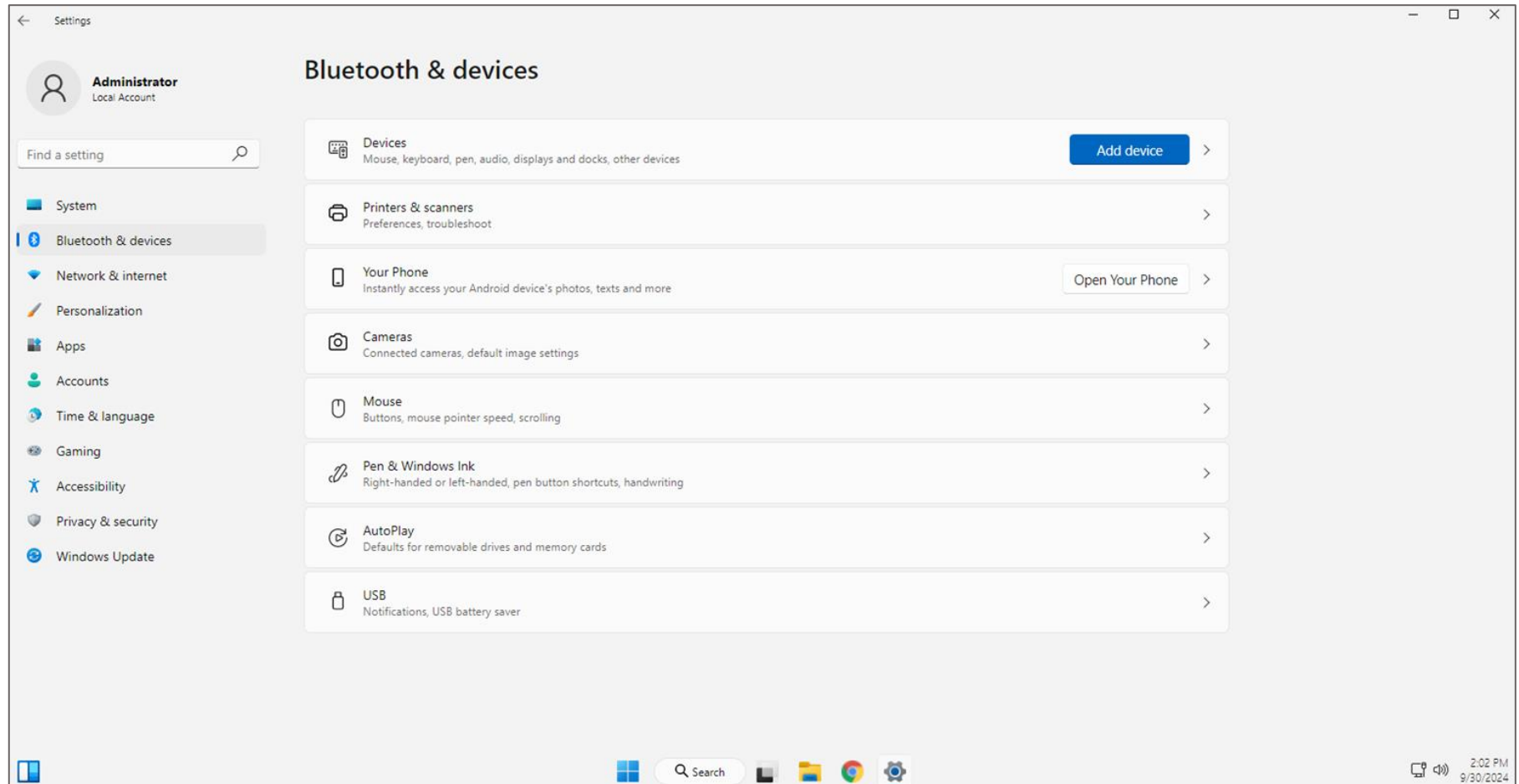
- Hover over your **Devices** to add a printer.



WINDOWS 11 LAB

Step 6: Add a Shared Printer

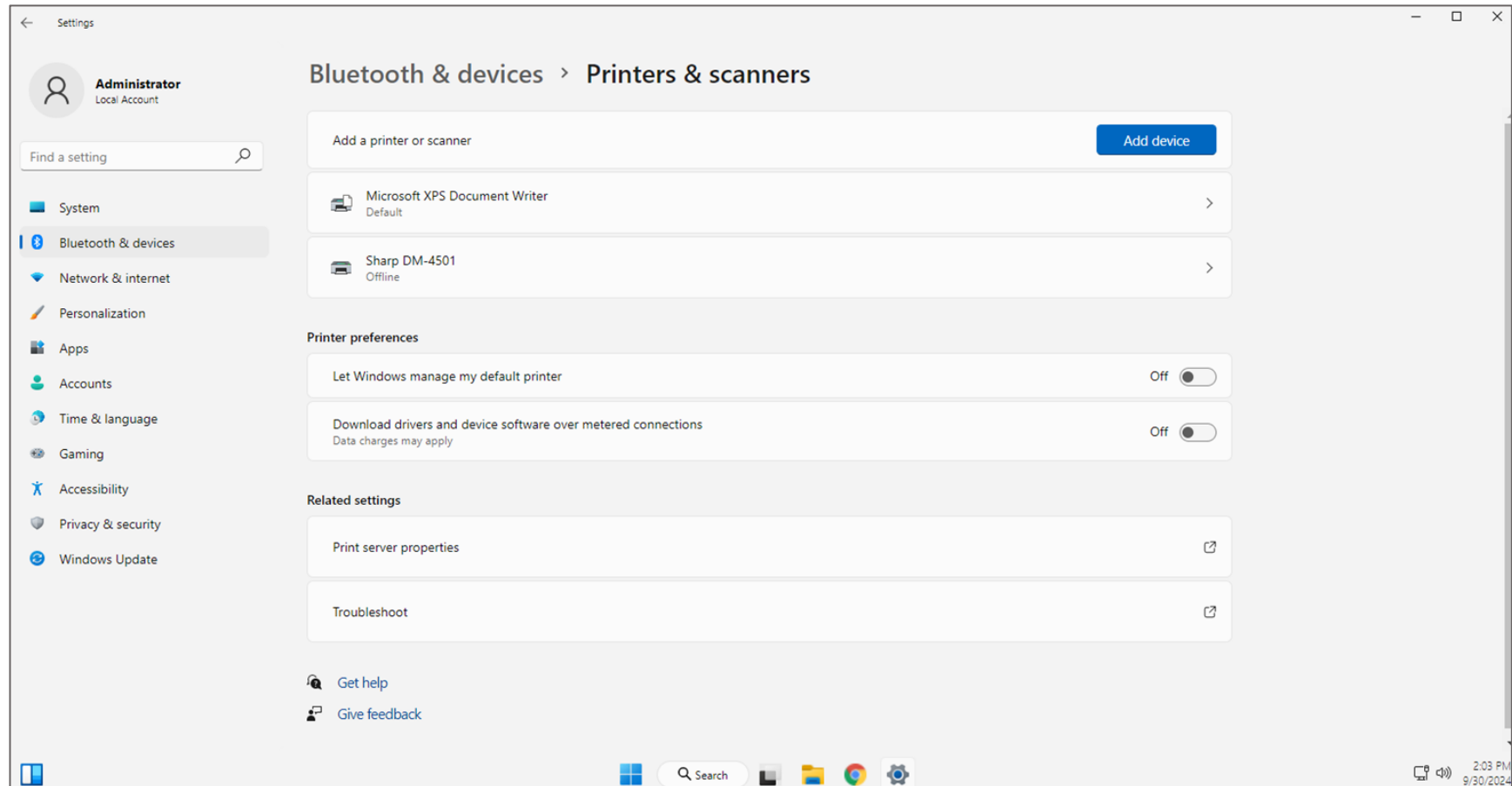
- Where can you add a **printer**?



WINDOWS 11 LAB

Step 6: Add a Shared Printer

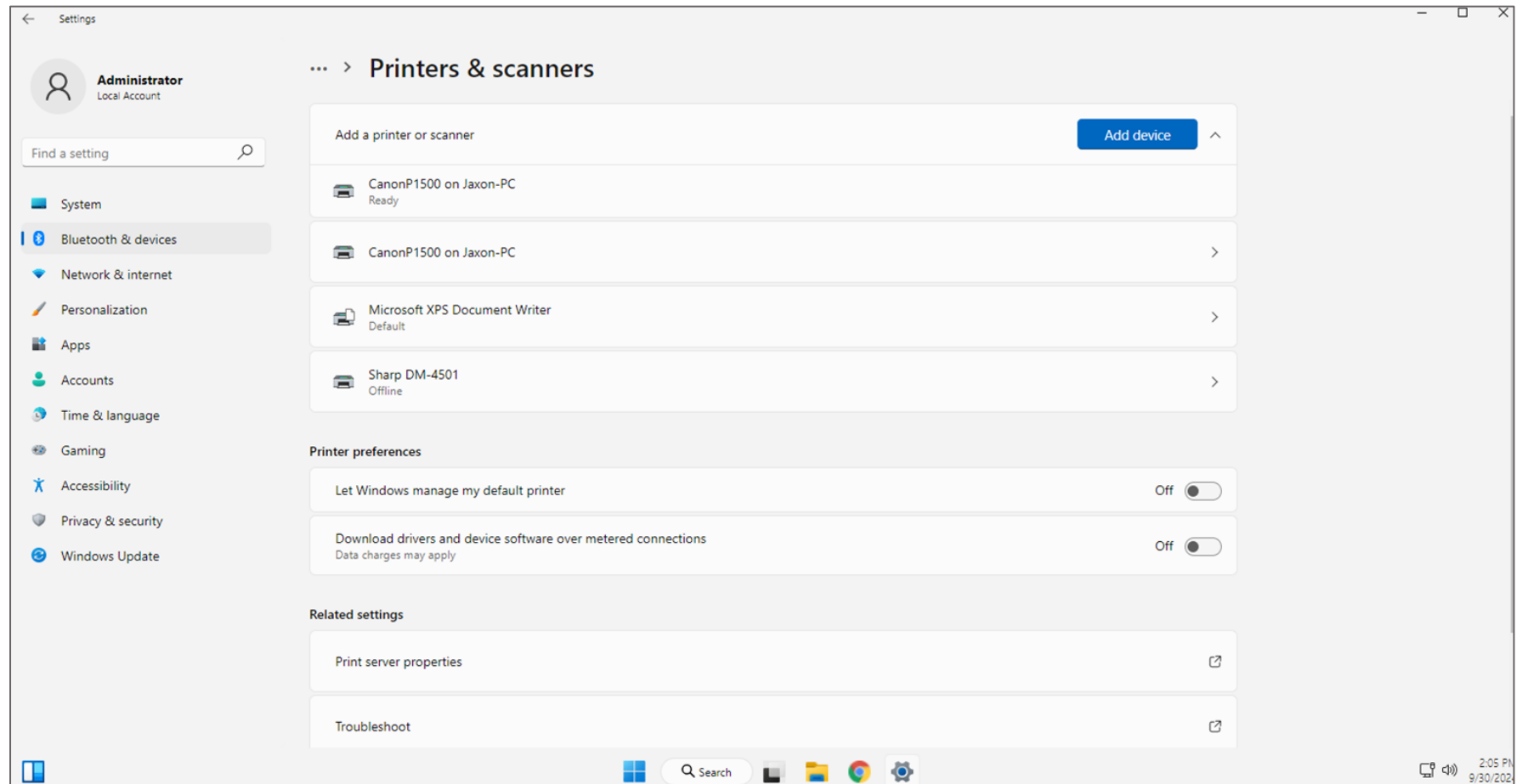
- Where can you **add** a printer?



WINDOWS 11 LAB

Step 7: Configure a Default Printer

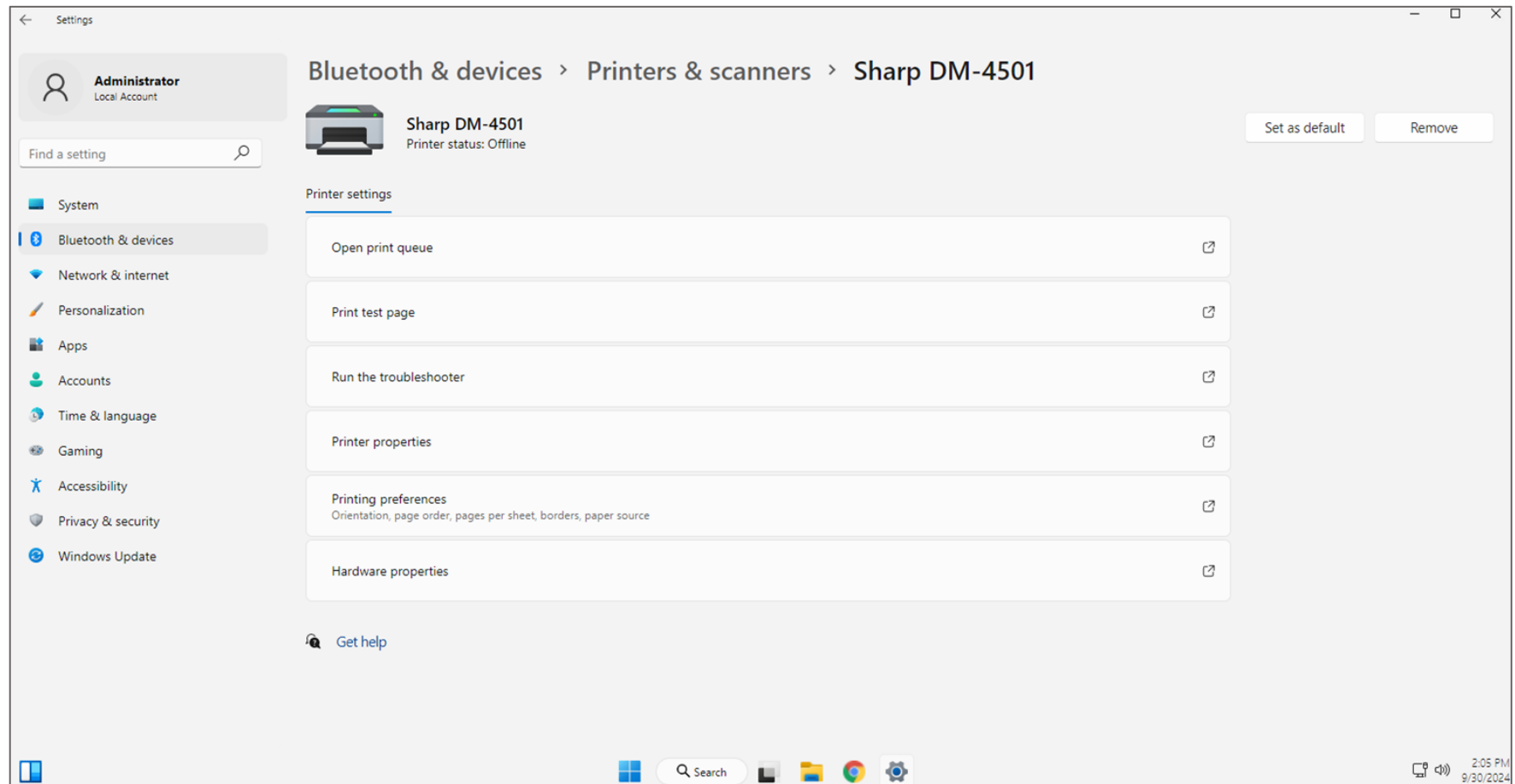
- Where can you change the **default printer**?



WINDOWS 11 LAB

Step 7: Configure a Default Printer

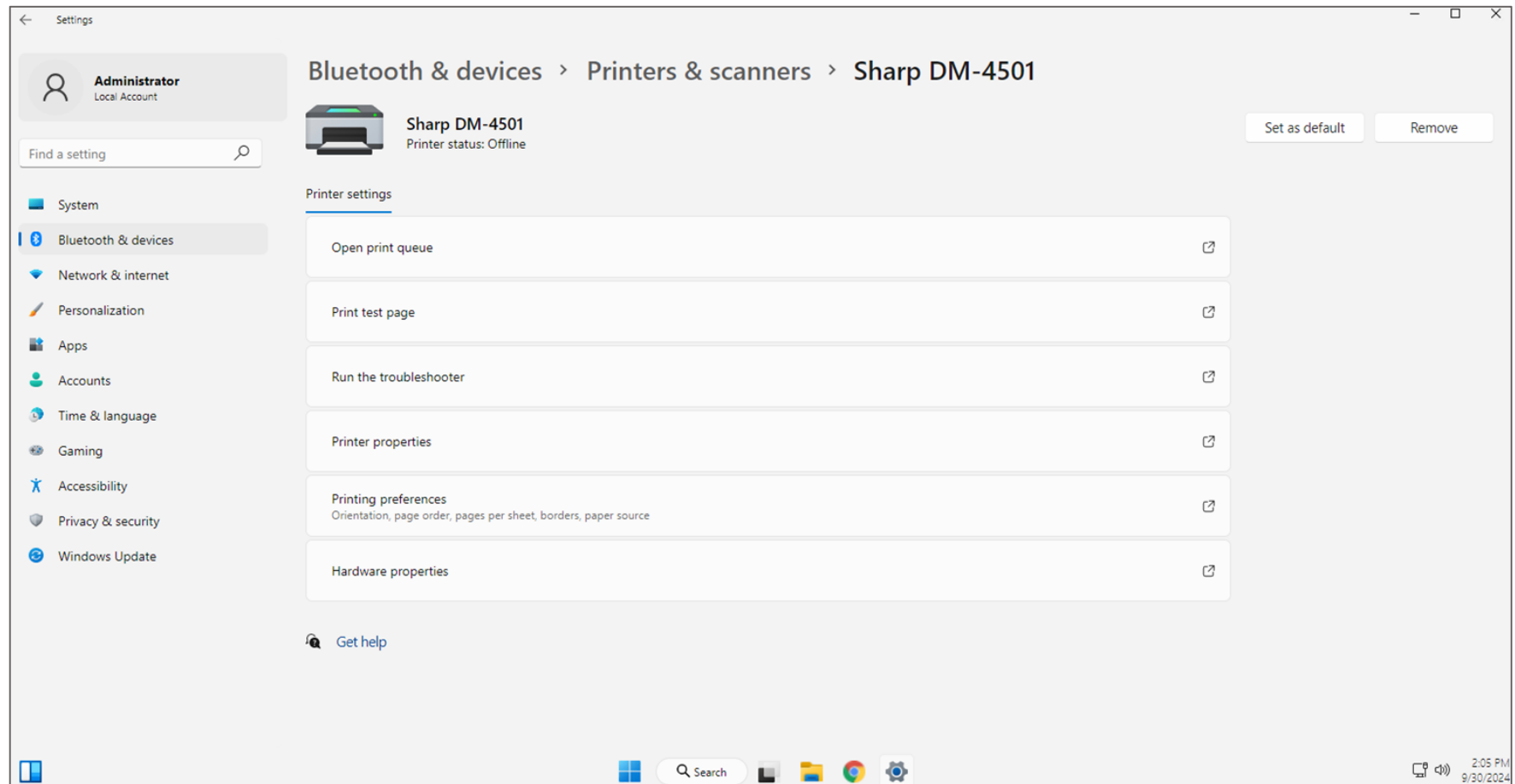
- Where can you change the **default printer**?



WINDOWS 11 LAB

Step 8: Sharing a Printer

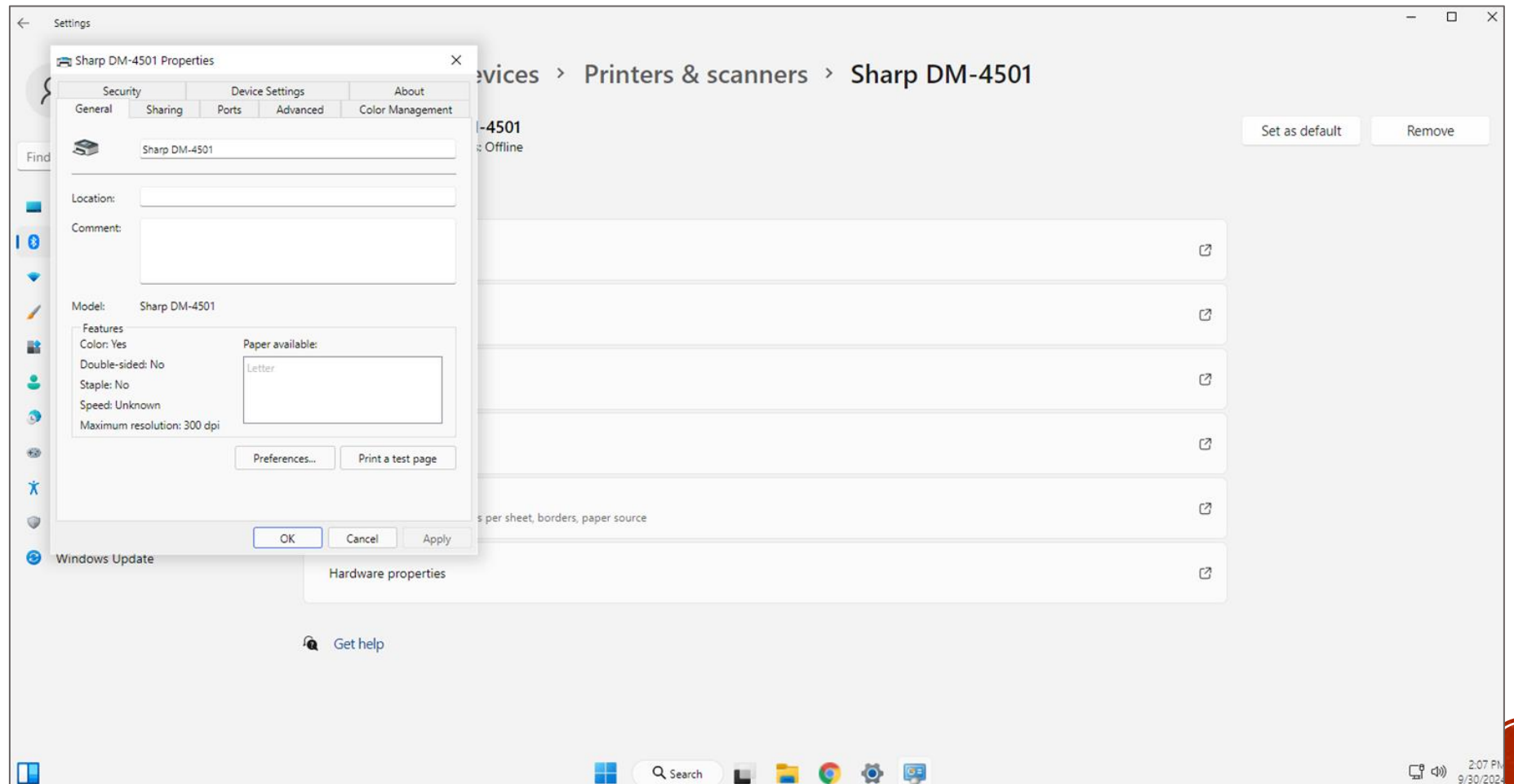
- Where can you change the **Printer Properties**?



WINDOWS 11 LAB

Step 8: Sharing a Printer

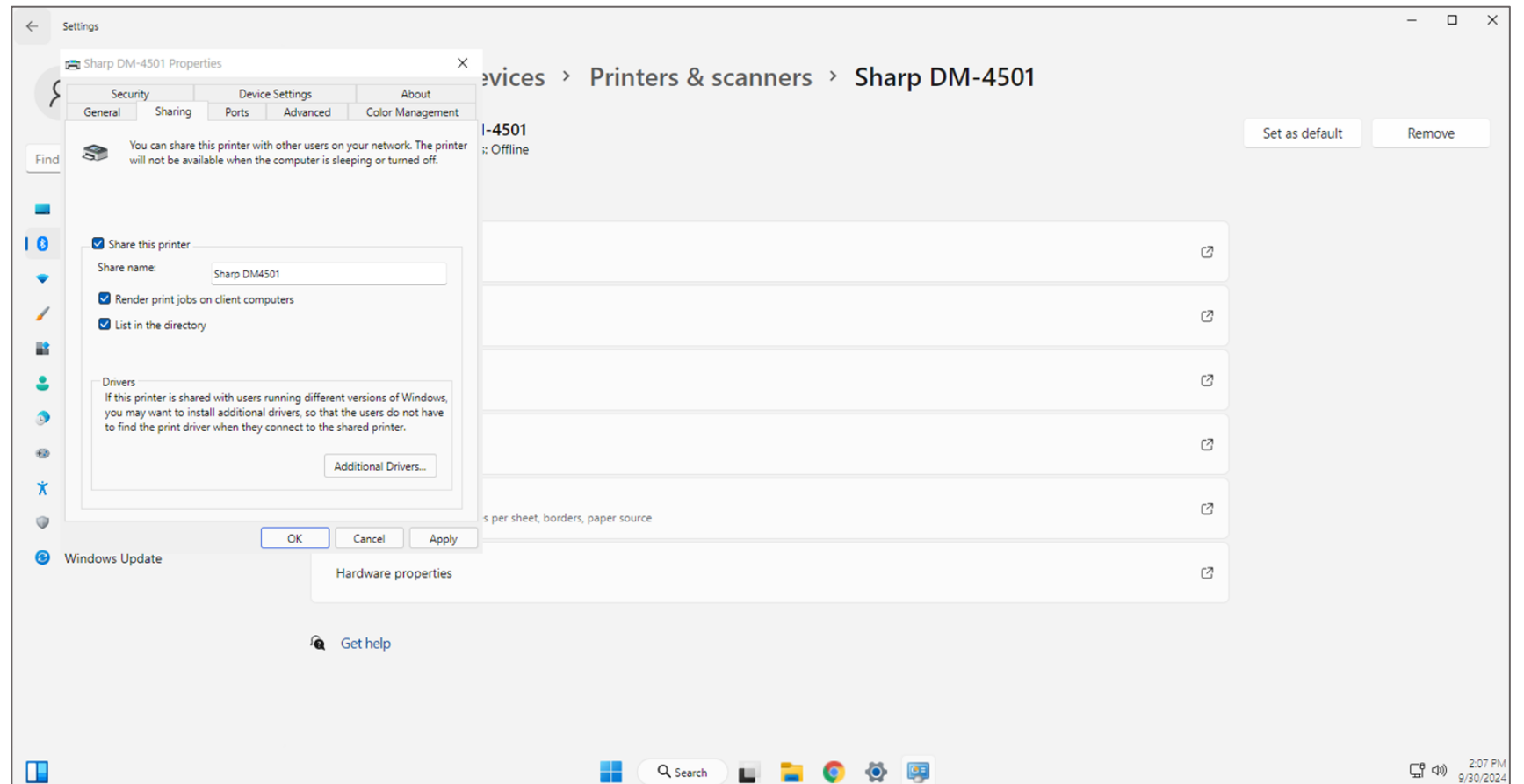
- Where can you change the **Sharing Properties**?



WINDOWS 11 LAB

Step 8: Sharing a Printer

- Hover over the checkbox to **Share This Printer**.



CONFIGURING A FIREWALL

- **1.4.14 Lab**



CONFIGURING A FIREWALL

Purpose

The purpose of this lab is to get you familiar turning on/off a firewall for a **Private** and **Public** network.

Additionally, you will add an application to the list of applications allowed to communicate through the firewall.

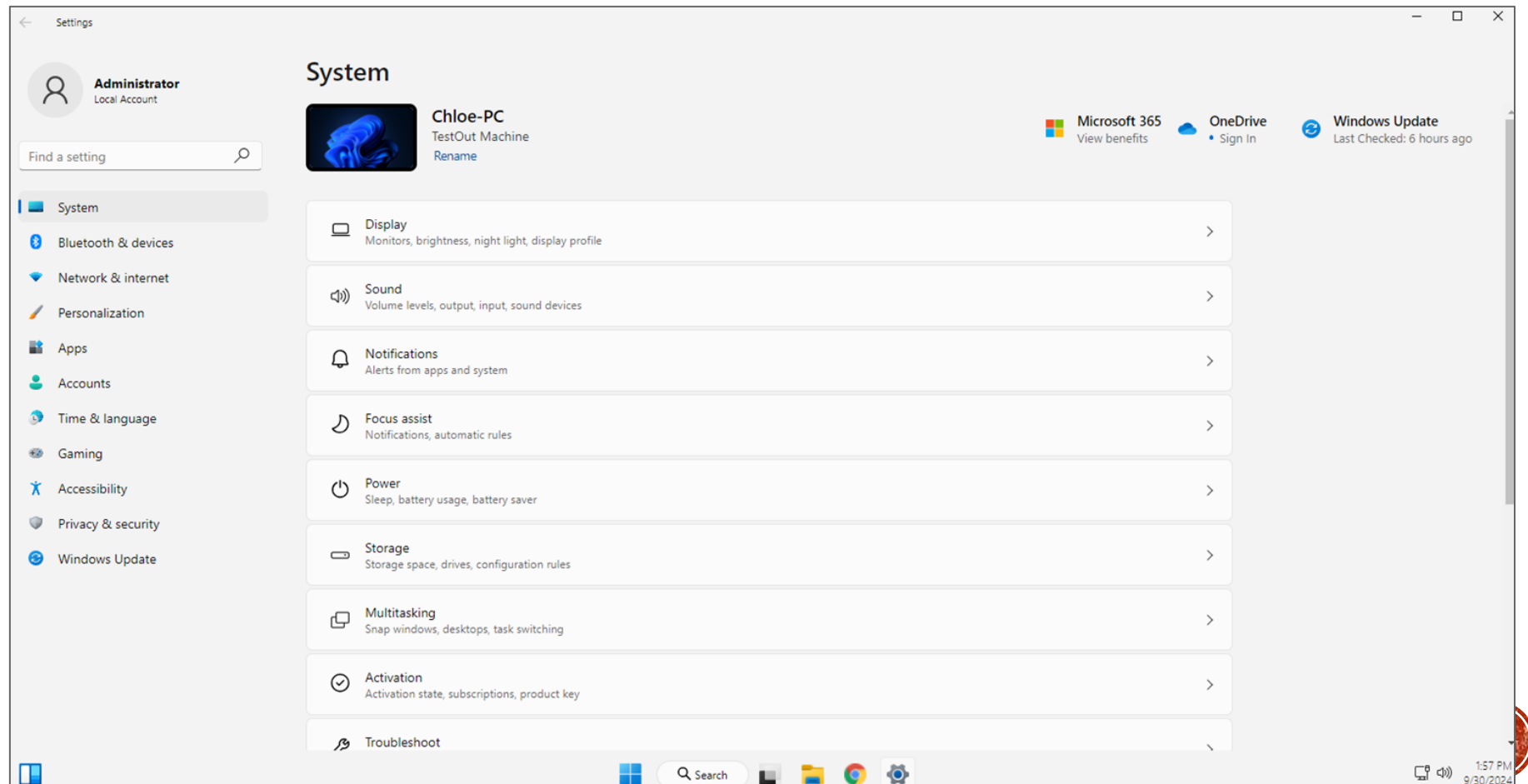
We will go through the lab here in Miro. Please use your cursor and/or pen tool to highlight specific sections on the virtual computer as indicated on the slide.



CONFIGURING A FIREWALL

Step 1: Turn on a Firewall for a **Private** network profile

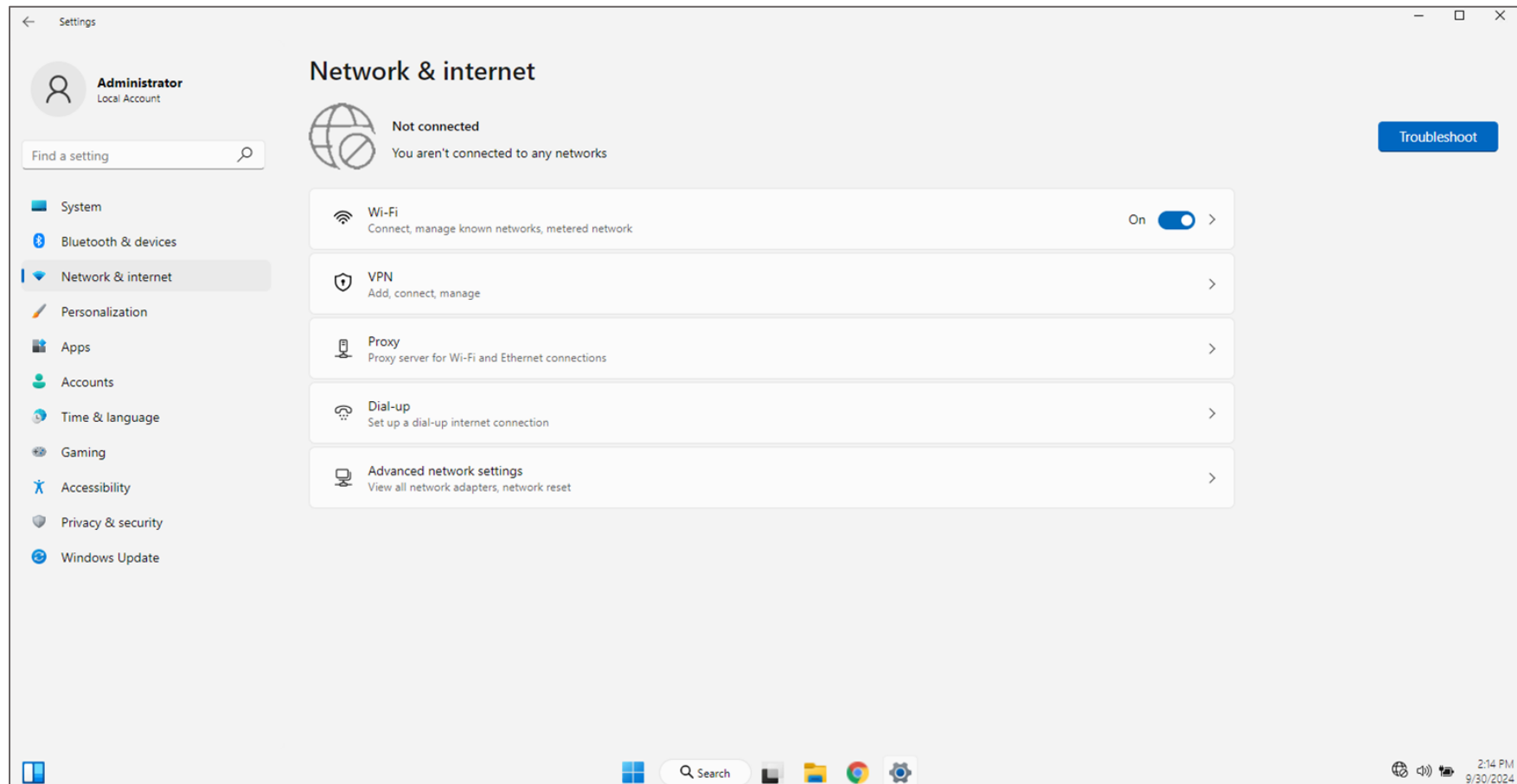
- Hover over where you think you would configure your **Internet** firewall.



CONFIGURING A FIREWALL

Step 1: Turn on a Firewall for a **Private** network profile

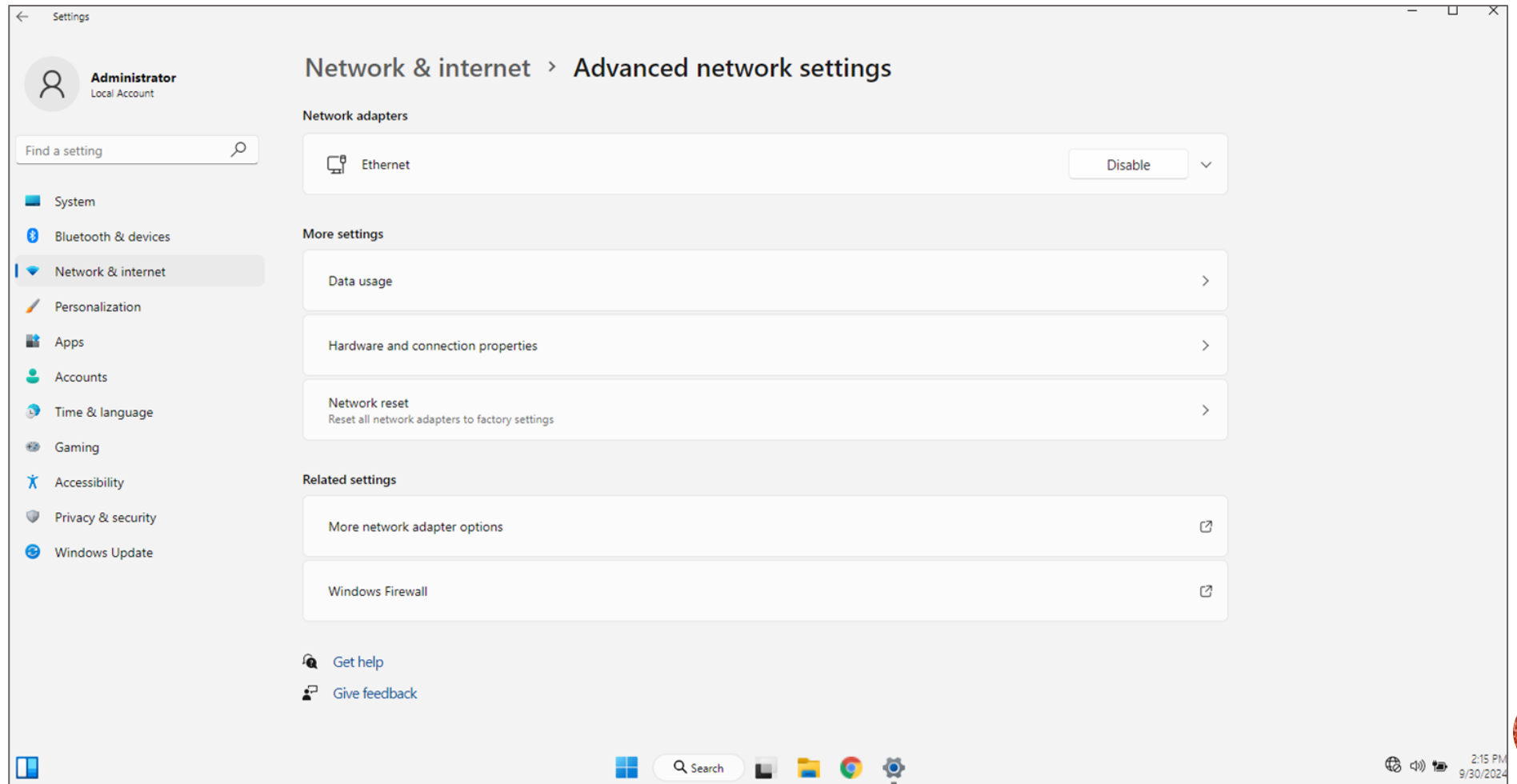
- Hover over where you think you would configure your **Advanced** internet firewall.



CONFIGURING A FIREWALL

Step 1: Turn on a Firewall for a **Private** network profile

- Hover over where you think you would configure your **Advanced** internet firewall.

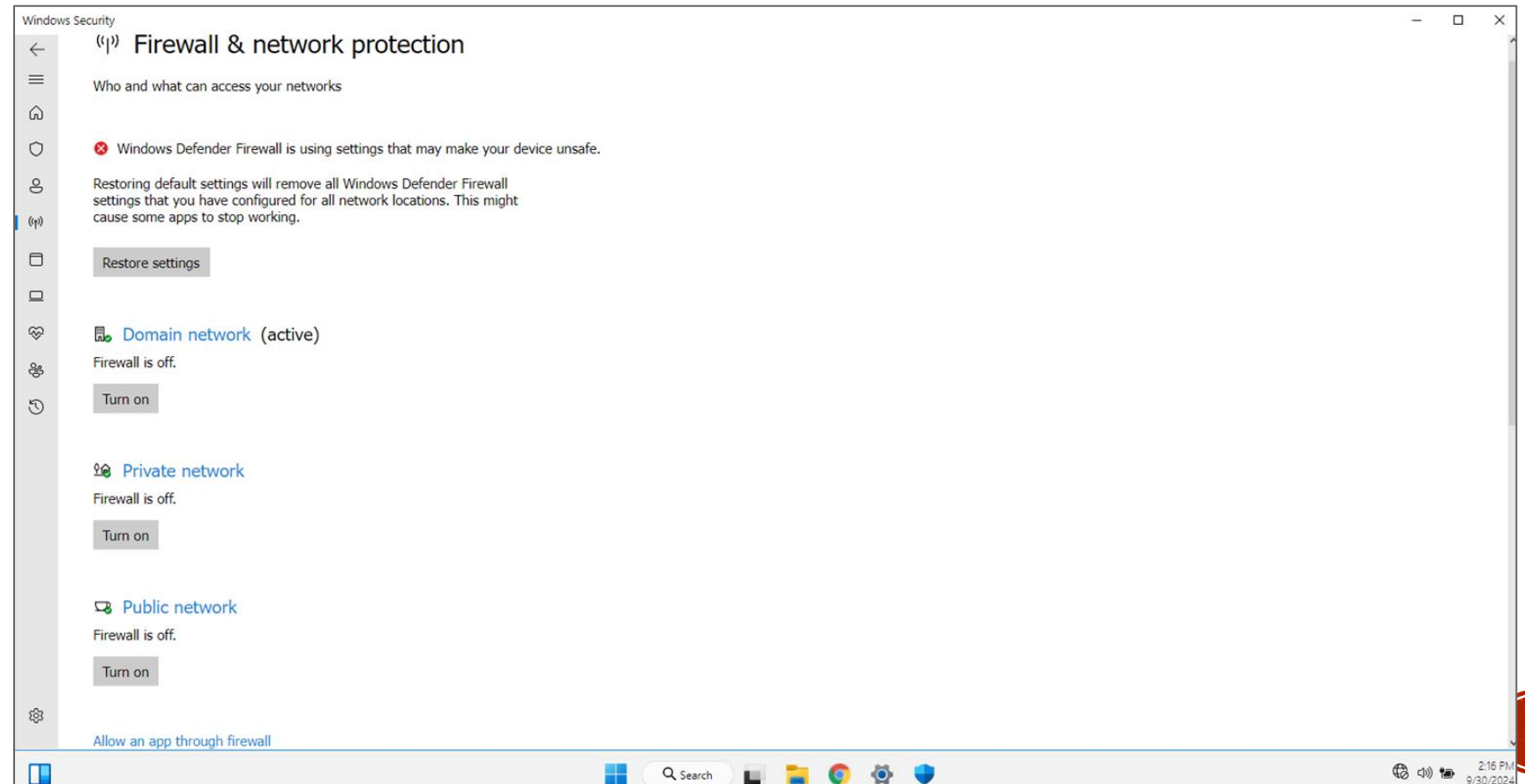


CONFIGURING A FIREWALL

Step 1: Turn on a Firewall for a **Private** network profile

- Hover over where you could **Turn On** the **Private** network profile.
- Where could you **Turn On** the **Public** network profile?
- Where could you **add an app through the firewall**?

Note: In the lab, make sure to click “Check Answers” in the upper right, as it will not tell you if you finished the requirements of the lab until you click the button.





CONFIGURE PRIVACY SETTINGS IN GOOGLE CHROME

- 1.4.15 Lab



CONFIGURE PRIVACY SETTINGS IN GOOGLE CHROME

Purpose

The purpose of this lab is to get you familiar with:

Blocking all location tracking

Blocking all third-party websites from saving and reading cookie data

Blocking specific sites

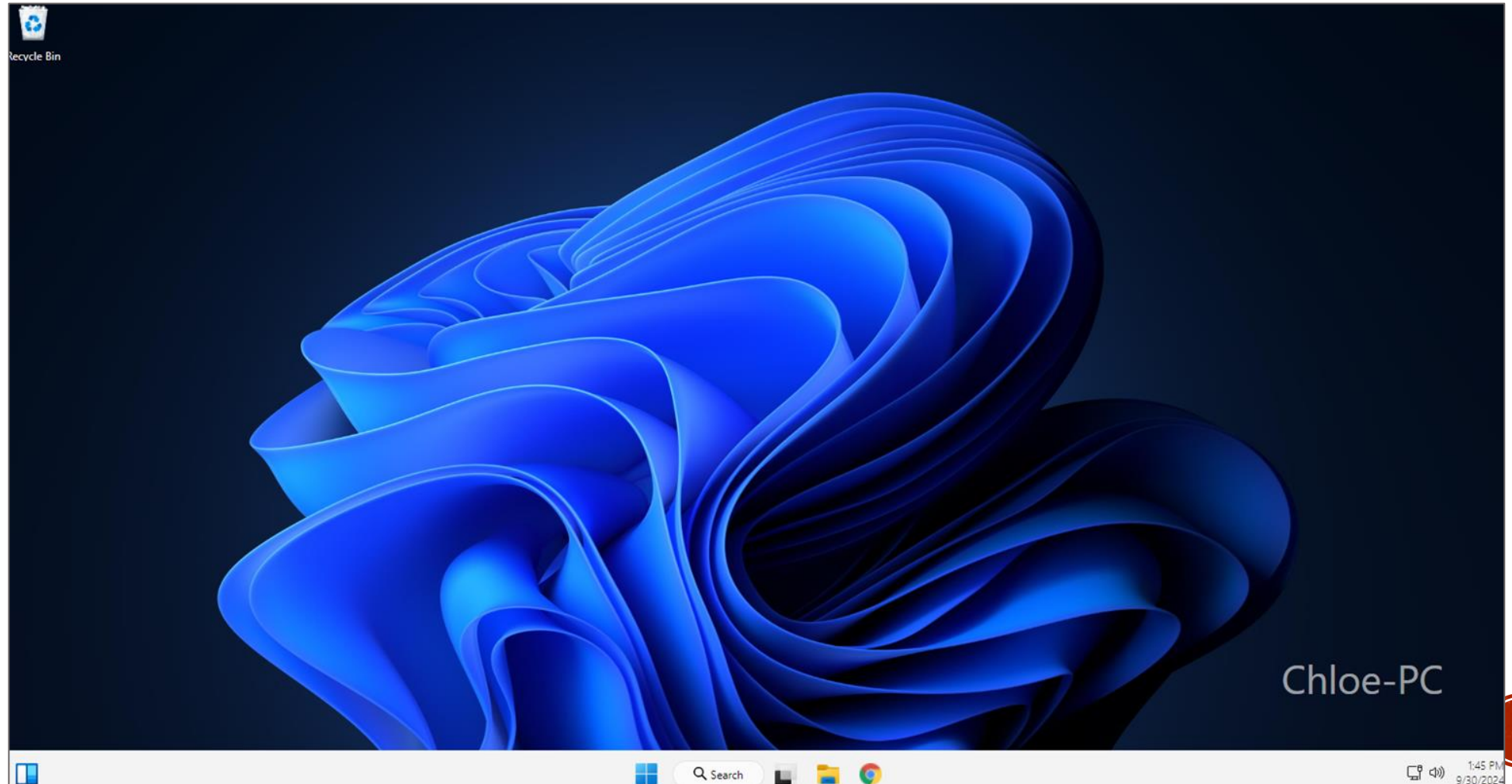
We will go through the lab.



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

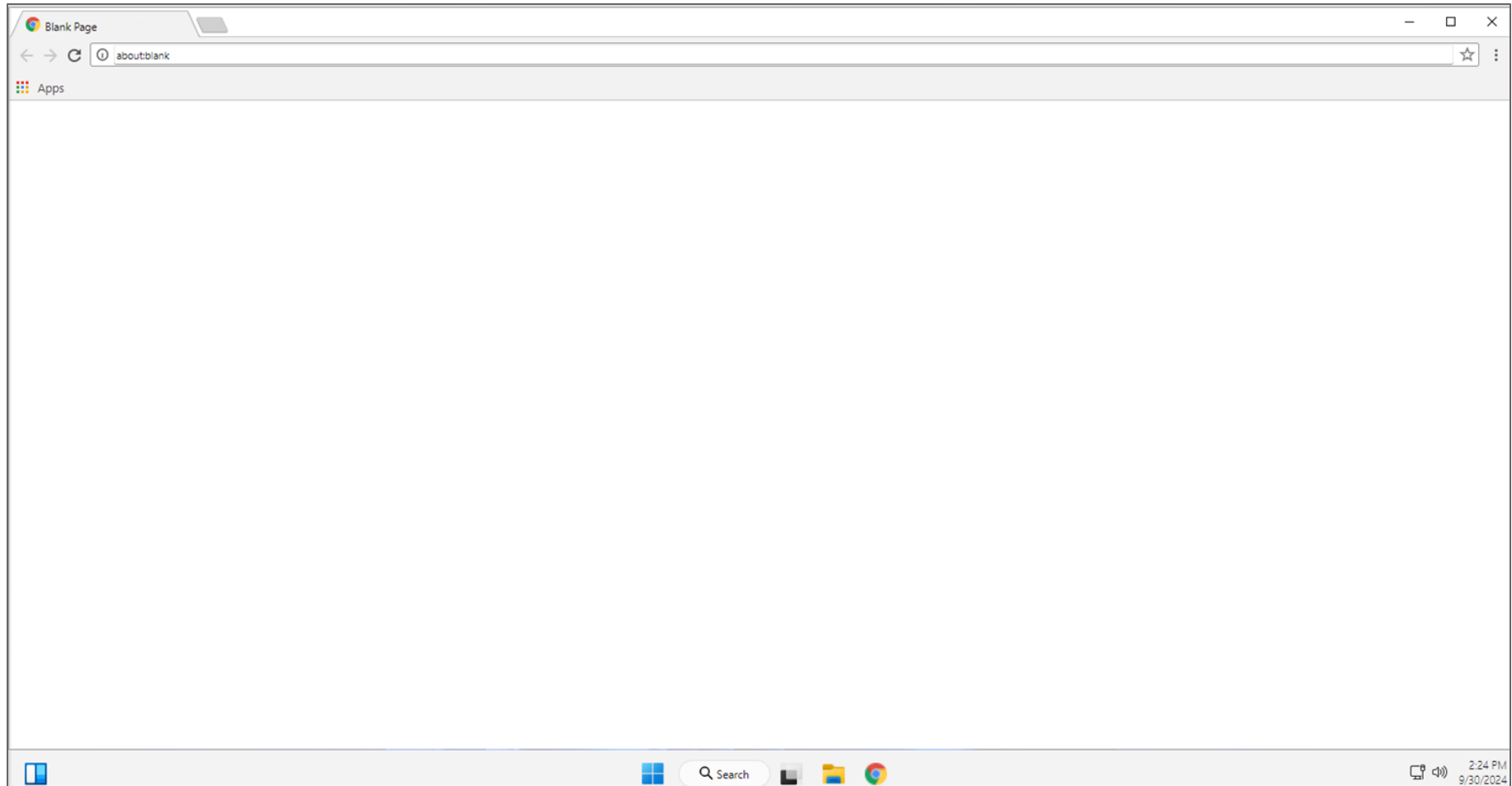
How would you start up **Google Chrome**?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

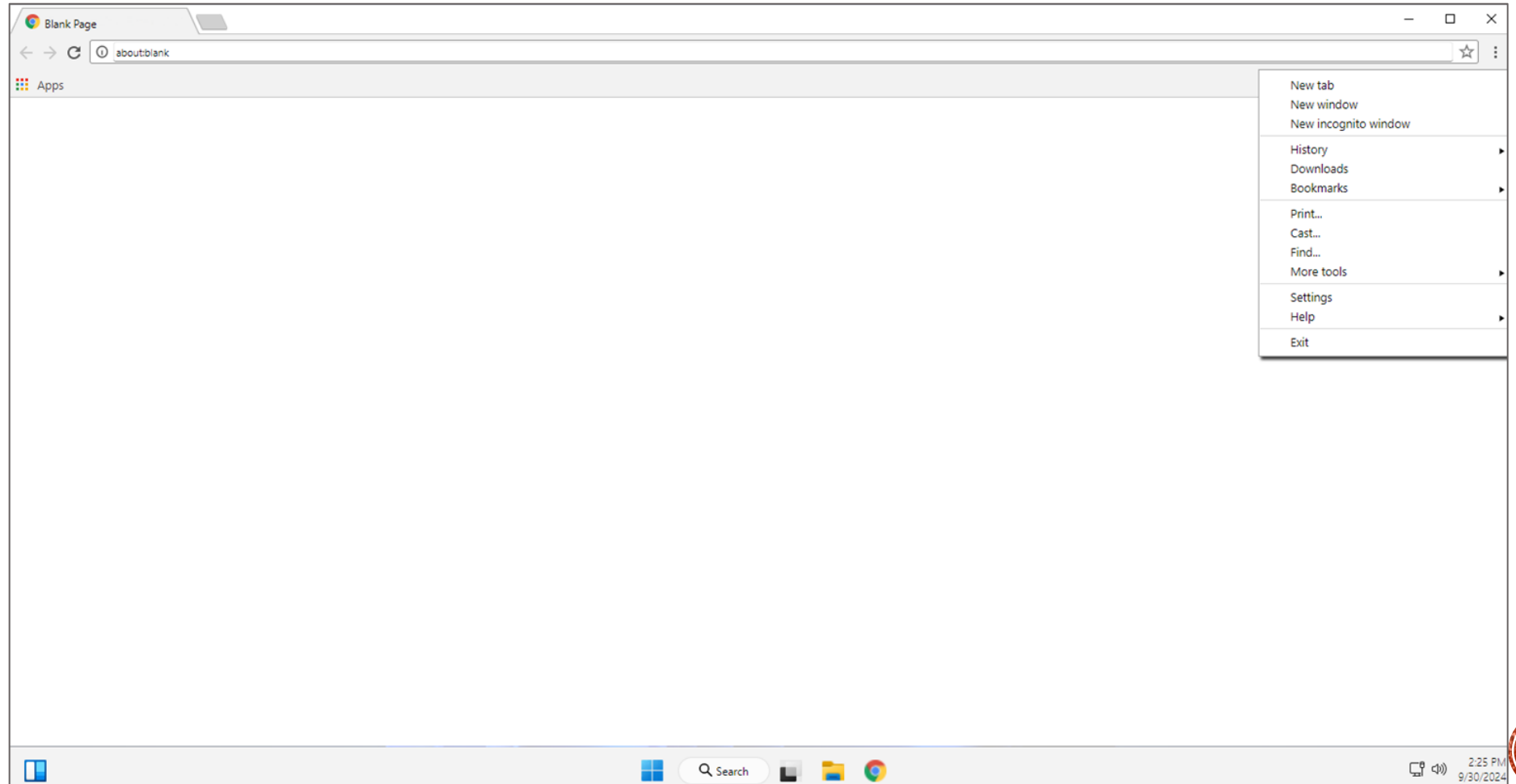
How would you access the **Google Chrome Settings** menu?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

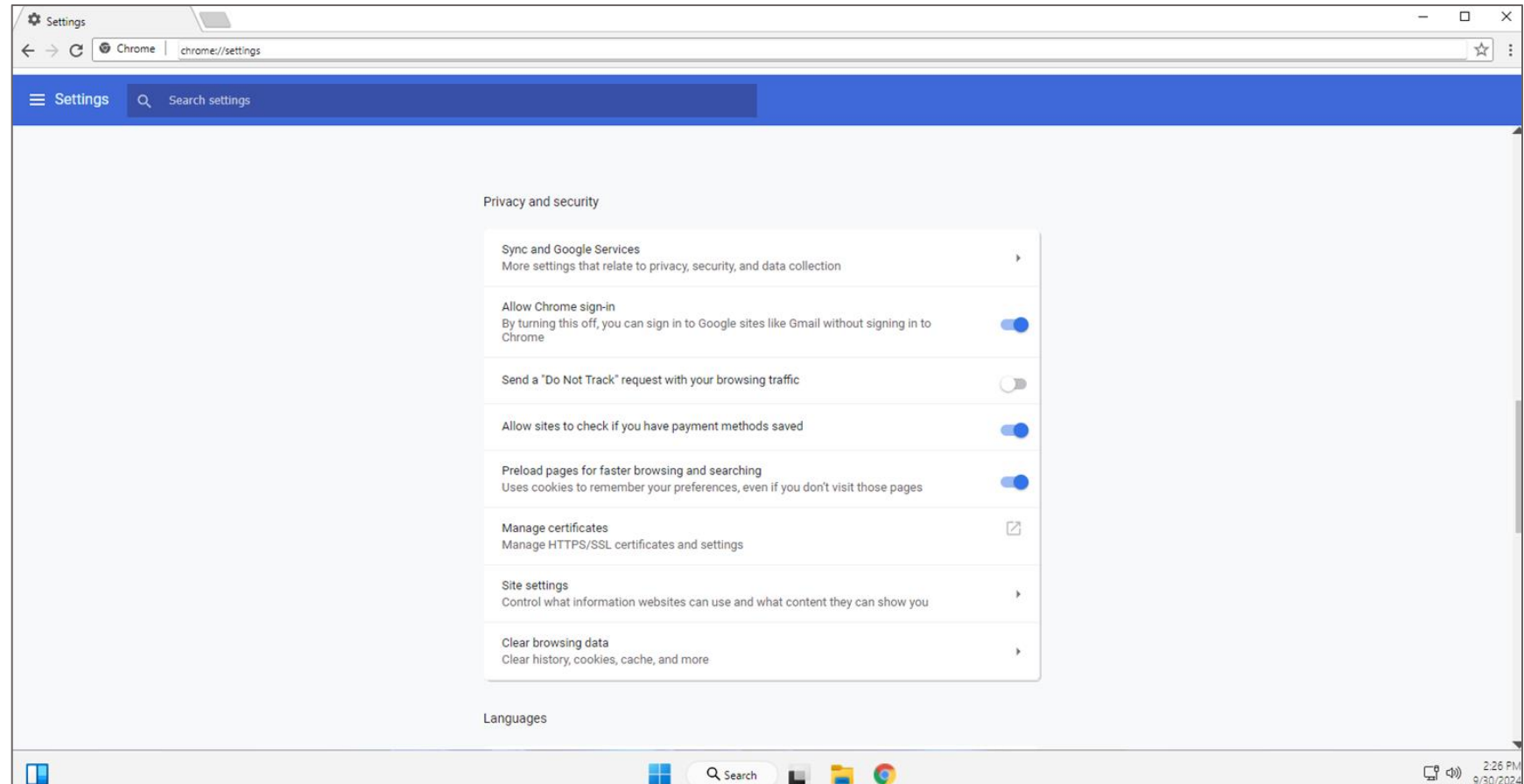
How would you access the **Google Chrome Settings** menu?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

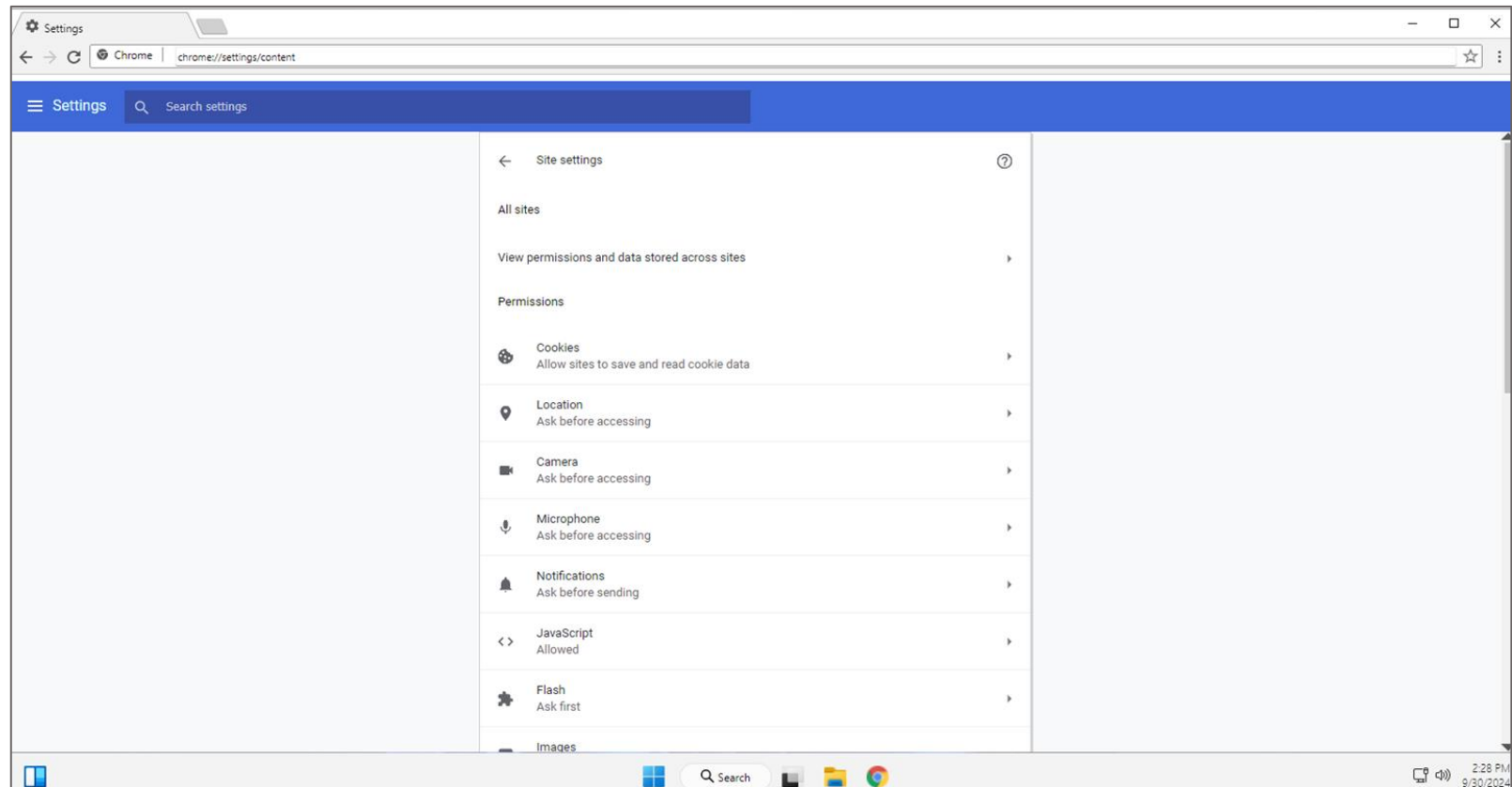
- How would you **Block** all location tracking in the browser?
- How would you **Change the Site Settings** to block third party sites from saving and reading cookie data?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

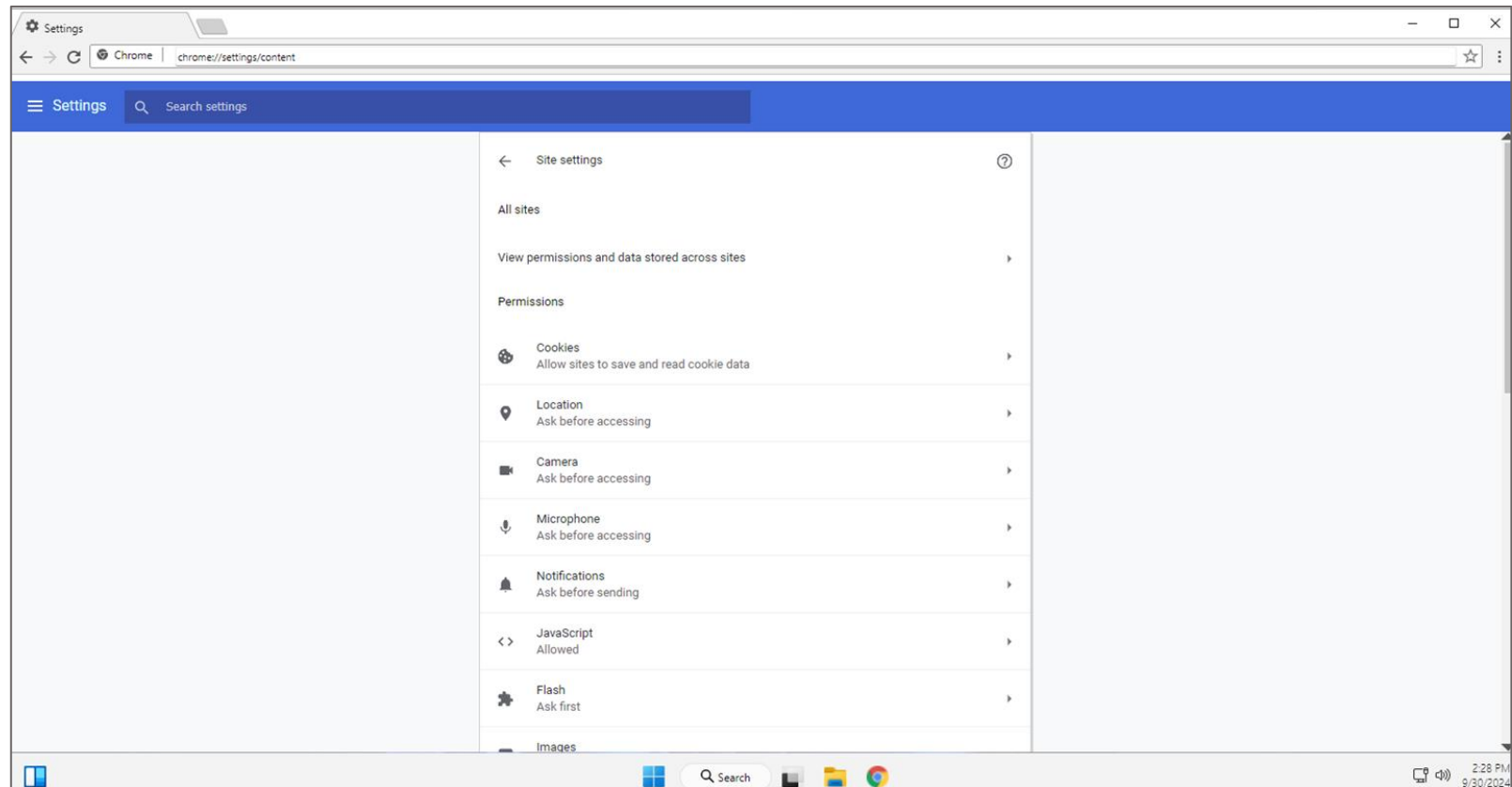
How would you **Change the Site Settings** to block third party sites from saving and reading cookie data?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

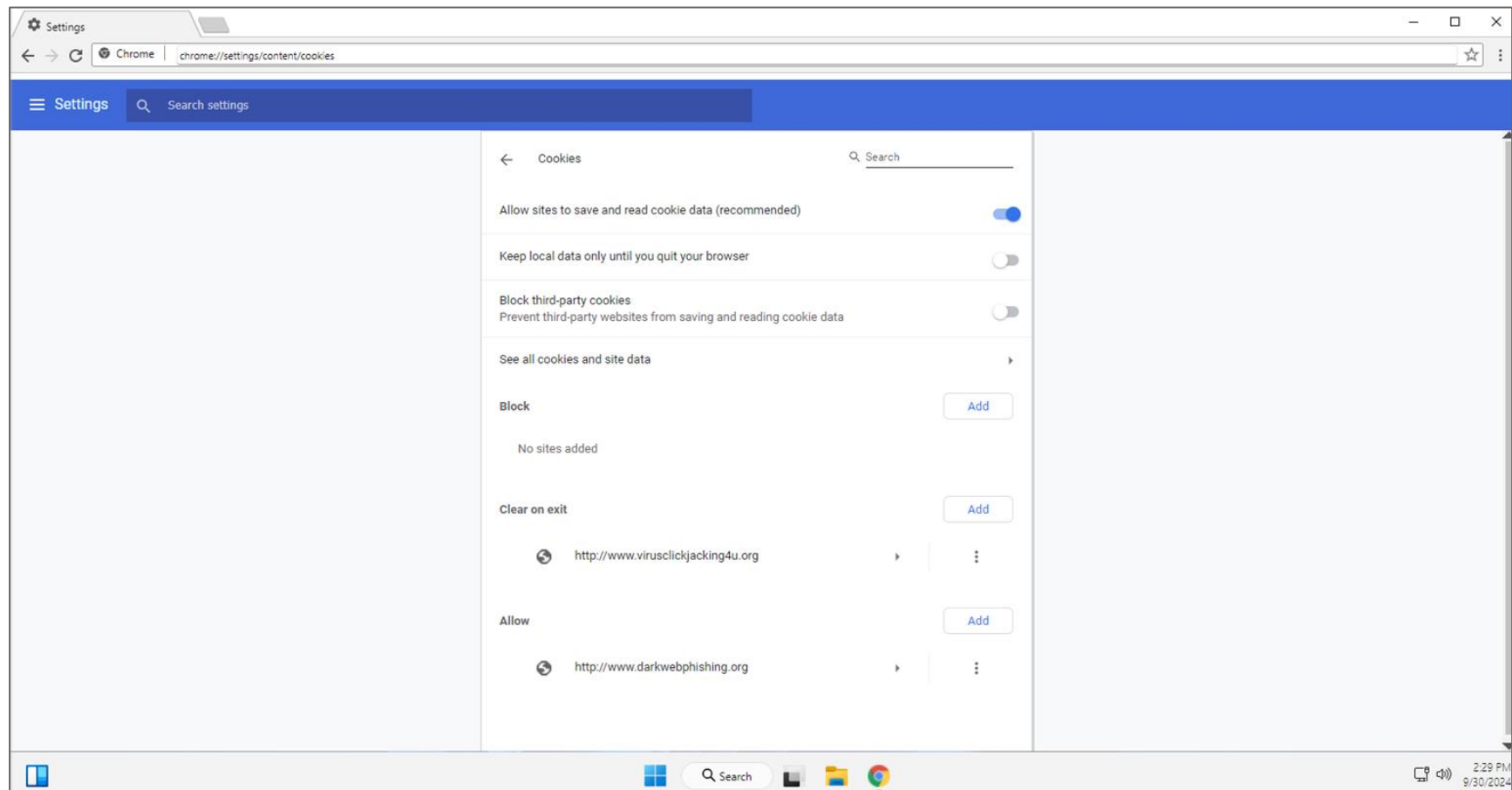
How would you **Change the Site Settings** to block third party sites from saving and reading cookie data?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

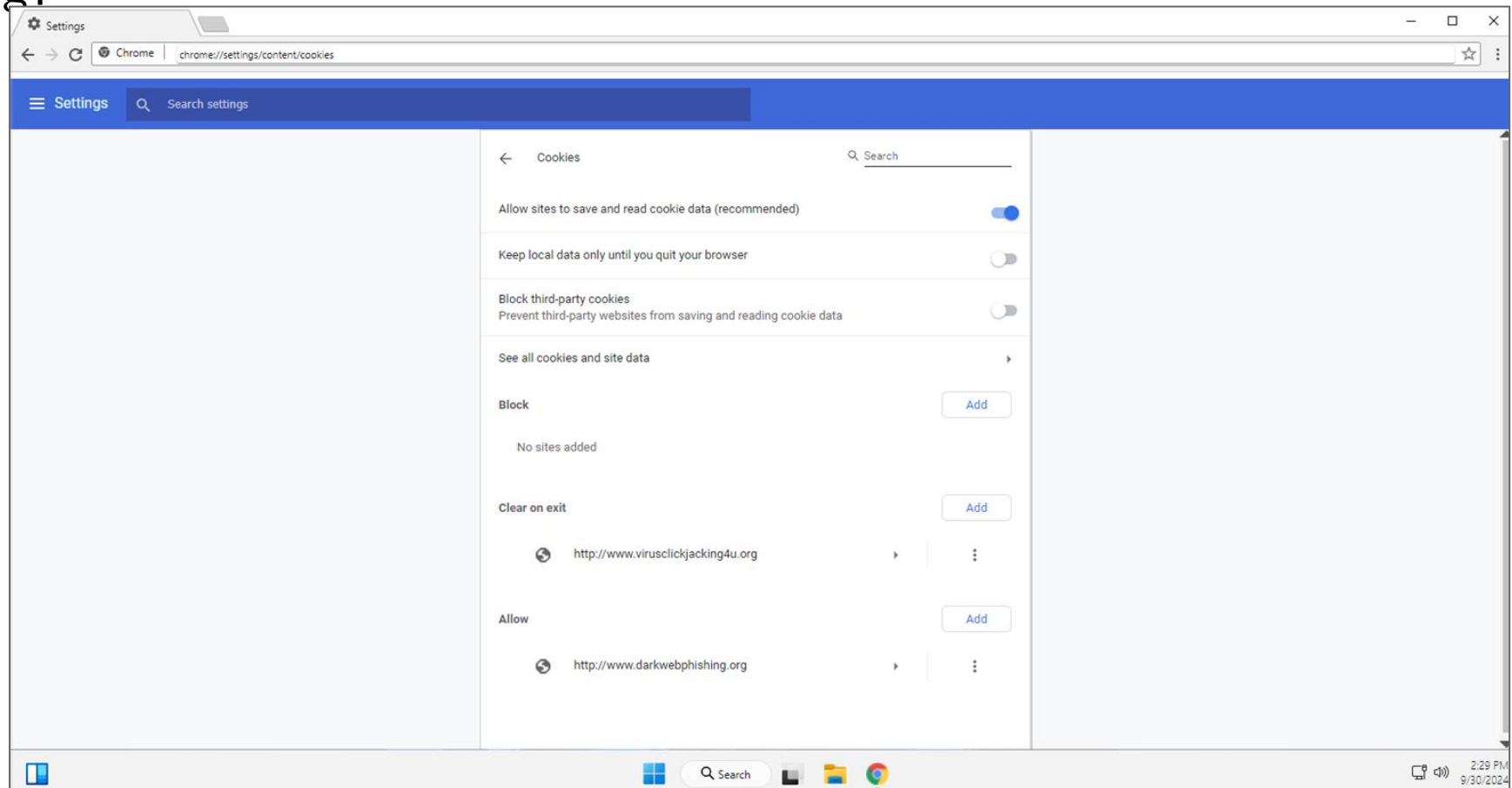
How would you **Change the Site Settings** to block third party sites from saving and reading cookie data?



CONFIGURING PRIVACY SETTINGS IN GOOGLE CHROME

Google Chrome Settings

Where are the **two** spots on the screen required to block cookies from virusclickjacking4u.org and darkwebphishing.org?



CLEARING BROWSER CACHE

- 1.4.16 Lab

```
mirror_mod = modifier_ob.  
set mirror object to mirror.  
mirror_mod.mirror_object  
operation == "MIRROR_X":  
mirror_mod.use_x = True  
mirror_mod.use_y = False  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True  
  
selection at the end -add  
mirror_ob.select= 1  
modifier_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier_ob.name))  
mirror_ob.select = 0  
bpy.context.selected_objects  
data.objects[one.name].select  
  
print("please select exactly  
one mirror")  
  
--- OPERATOR CLASSES ---  
  
bpy.types.Operator):  
name = "X mirror to the selected  
object.mirror_mirror_x"  
label = "Mirror X"  
  
context):  
context.active_object is not None
```



CLEARING BROWSER CACHE

Purpose

The purpose of this lab is to get you familiar with:

- Clearing all Chrome Browsing Data (all time)
- Clearing Browser History
- Clearing Download History
- Clearing Cookies and Other Site Data
- Clearing Passwords
- Clearing Autofill Form Data
- Clearing Site Settings
- Clearing Hosted App Data

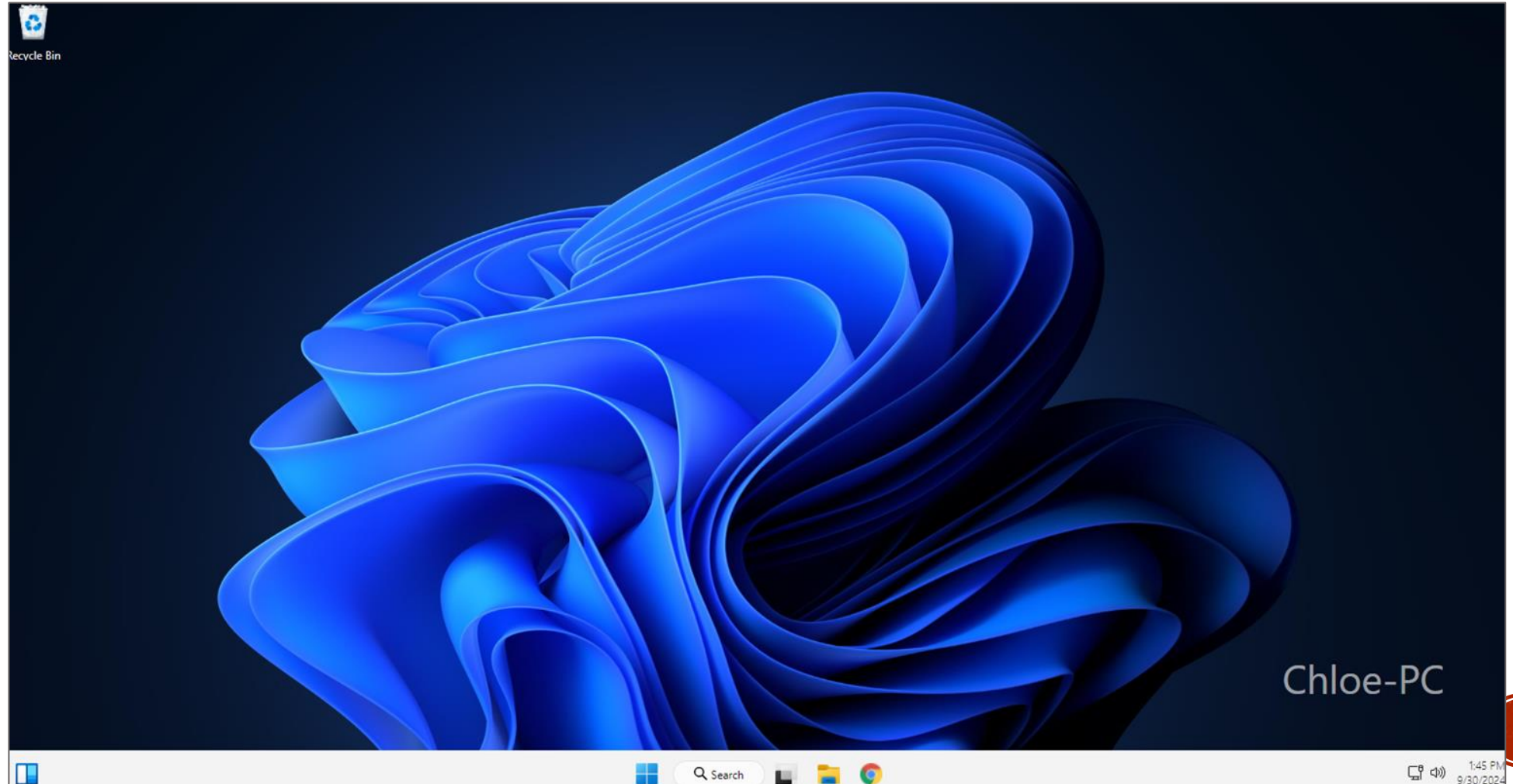
We will go through the lab.



CLEARING BROWSER CACHE

Google Chrome Settings

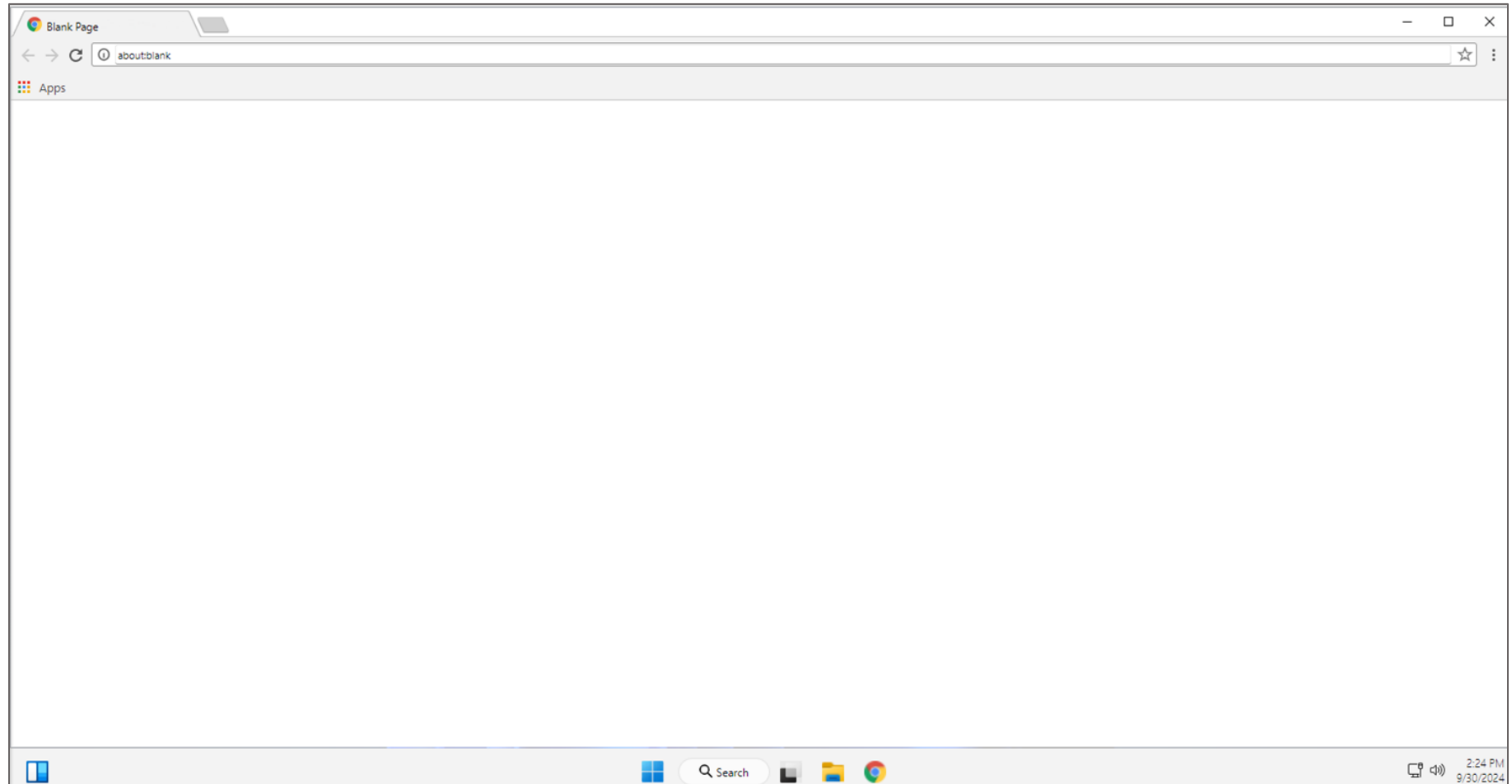
How would you start up **Google Chrome**?



CLEARING BROWSER CACHE

Google Chrome Settings

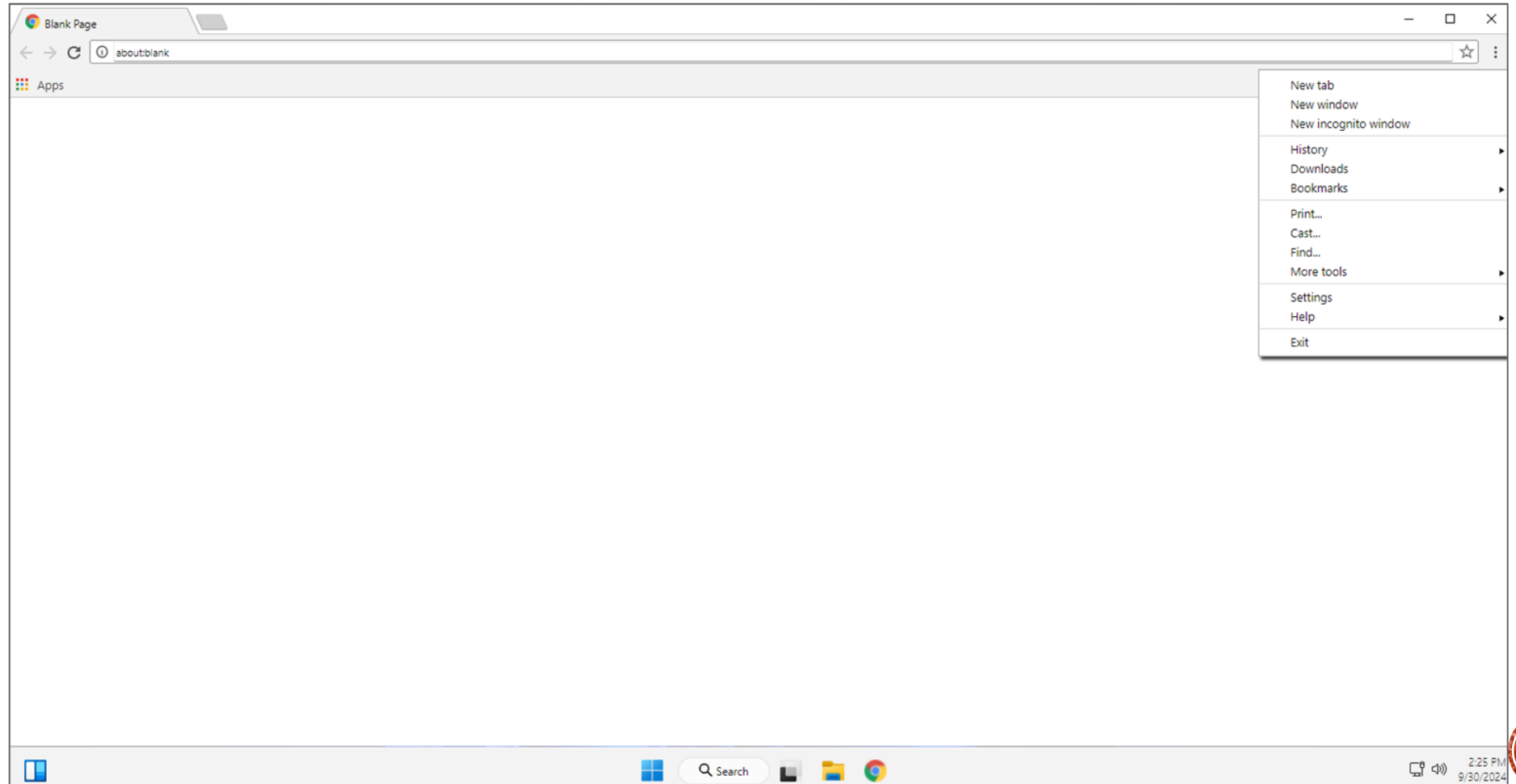
How would you access the **Google Chrome Settings** menu?



CLEARING BROWSER CACHE

Google Chrome Settings

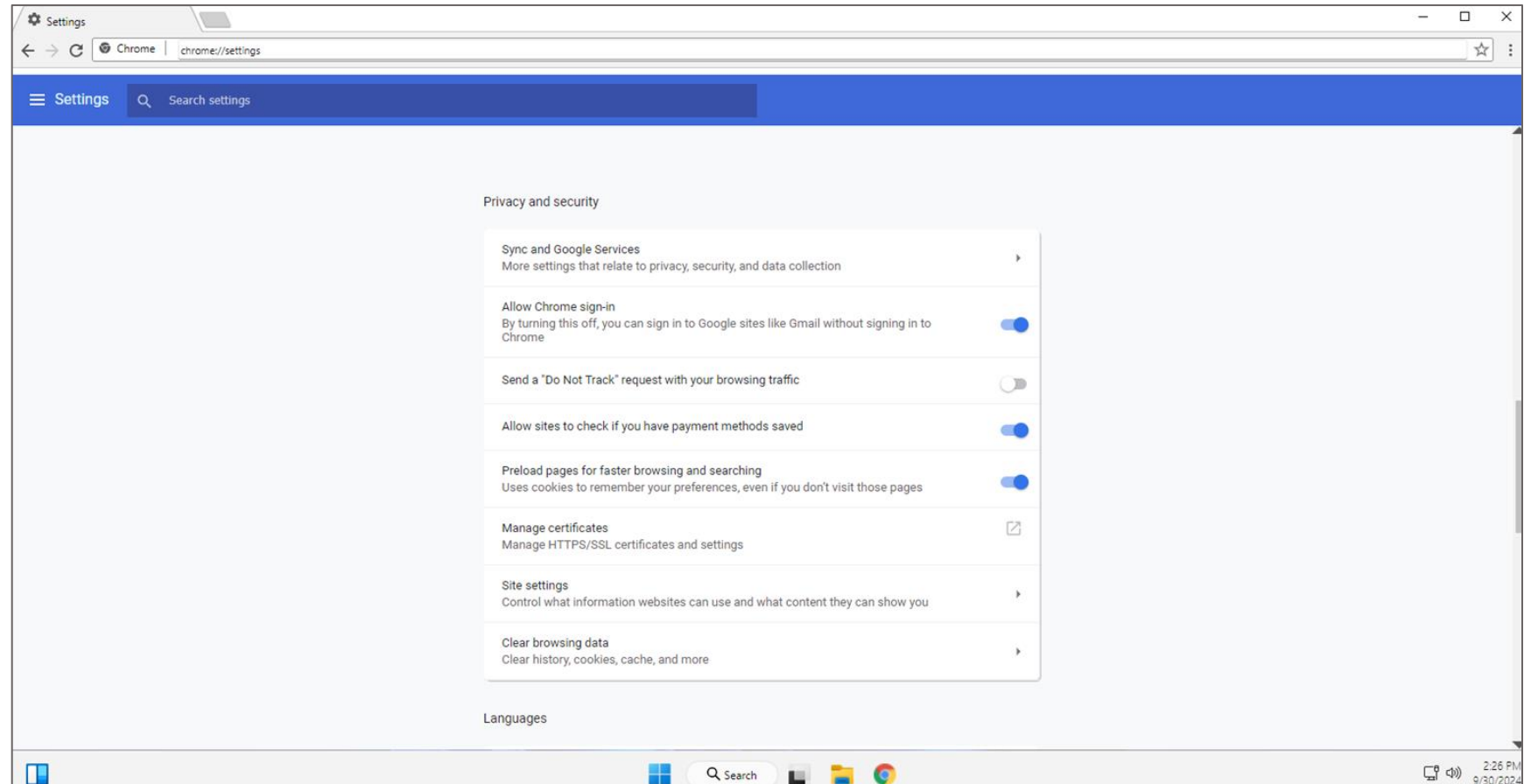
How would you access the **Google Chrome Settings** menu?



CLEARING BROWSER CACHE

Google Chrome Settings

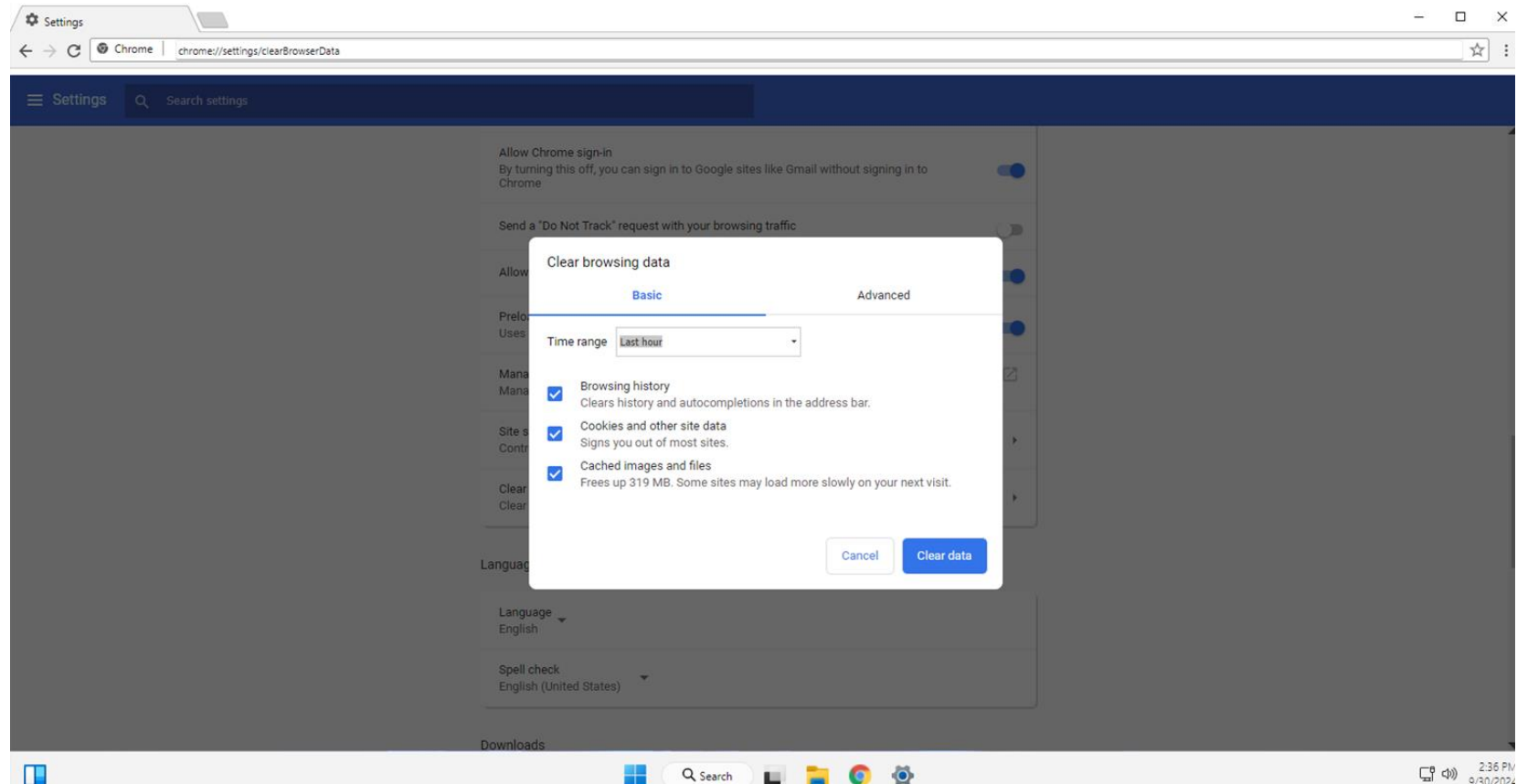
- Where is the **Clear Browsing Data** button?



CLEARING BROWSER CACHE

Google Chrome Settings

- Where is the **Time Range** selection?
- Where can you change more settings (like form data)?



RESPONDING TO SOCIAL ENGINEERING

- **1.4.17 Lab**



RESPONDING TO SOCIAL ENGINEERING

Purpose

The purpose of this lab is to get you familiar with:

Reading each email and determining if it is legitimate

Deleting any emails that contain social engineering exploits

Keep any safe emails

We will go through the lab.



RESPONDING TO SOCIAL ENGINEERING

Purpose

We watch the following video:

[https://www.linkedin.com/learning-login/share?account=21108259&forceAccount=false&redirect=https%3A%2F%2Fwww.linkedin.com%2Flearning%2Fcybersecurity-at-work-22609530%2Fsocial-engineering-overview%3Ftrk%3Dshare_video_url%26shareId%3D%252Fe4ZcoHKRUuBO3LrqxIAcA%253D%253D](https://www.linkedin.com/learning/login/share?account=21108259&forceAccount=false&redirect=https%3A%2F%2Fwww.linkedin.com%2Flearning%2Fcybersecurity-at-work-22609530%2Fsocial-engineering-overview%3Ftrk%3Dshare_video_url%26shareId%3D%252Fe4ZcoHKRUuBO3LrqxIAcA%253D%253D)

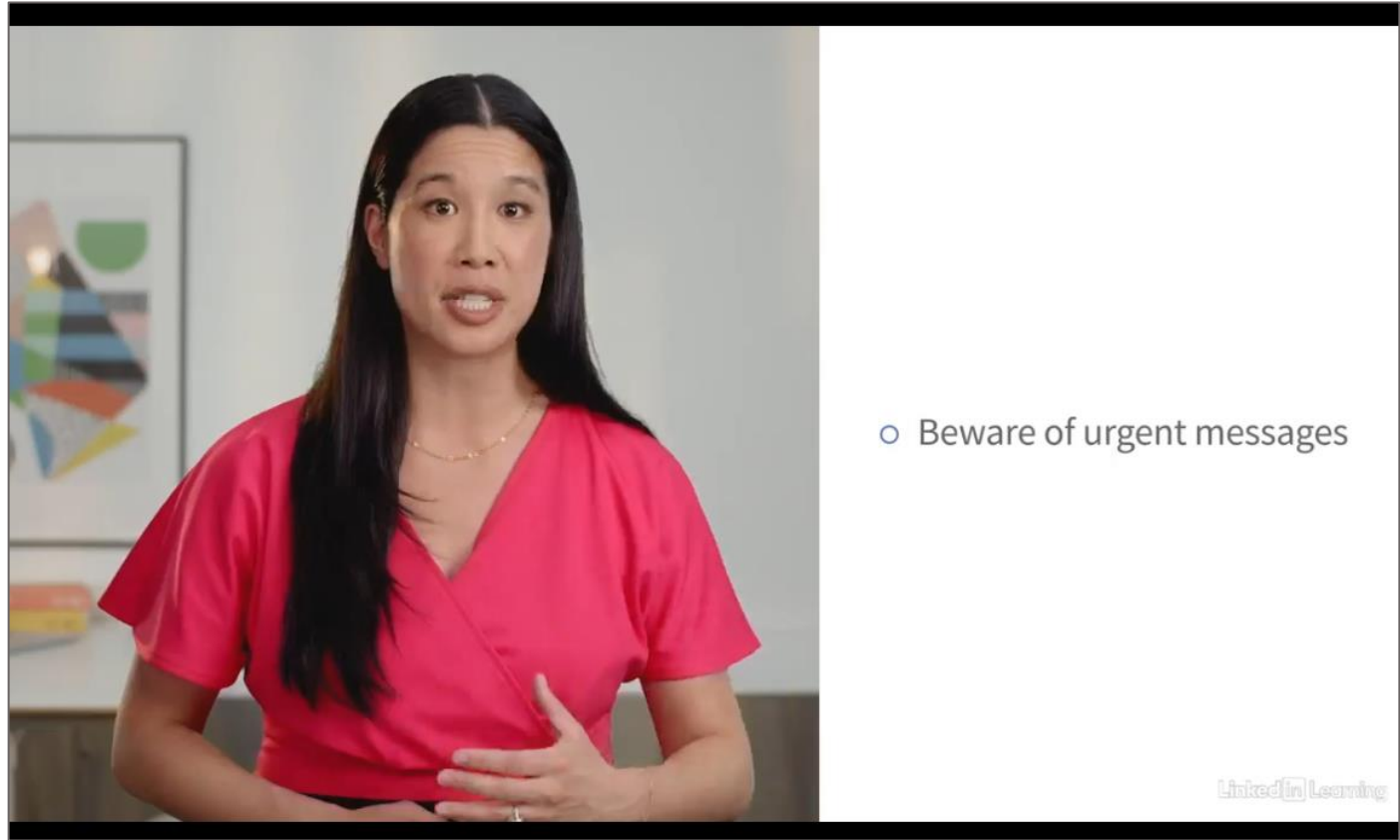


RESPONDING TO SOCIAL ENGINEERING

Purpose

We watch the following video:

https://www.linkedin.com/learning-login/share?account=21108259&forceAccount=false&redirect=https%3A%2F%2Fwww.linkedin.com%2Flearning%2Fcybersecurity-at-work-22609530%2Femail-phishing%3Ftrk%3Dshare_video_url%26shareId%3D%252Fe4ZcoHKRUuBO3LrqxIAcA%253D%253D



o Beware of urgent messages

LinkedIn Learning



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.

The screenshot shows a webmail interface with an inbox containing several emails. The selected email is from 'Microsoft Windows Update Center' to 'jmia@webmail.com' dated 9/30/24. The email body contains the following text:

New Service Pack

Microsoft Windows Update Center
To: jmia@webmail.com

New Service Pack v7.1.8 update is read for download.

*Stay secure with the new Microsoft AntiVirus and AntiMalware system.
*Some security flaws were fixed and new features were added by this Service Pack Update.
*This update is available by clicking the following link:

<http://www.microsoft.com/windowsupdate/v7/update-all/>

*No more SPAM / Viruses / Safe Web Navigation

Sincerely,
Microsoft Update Team

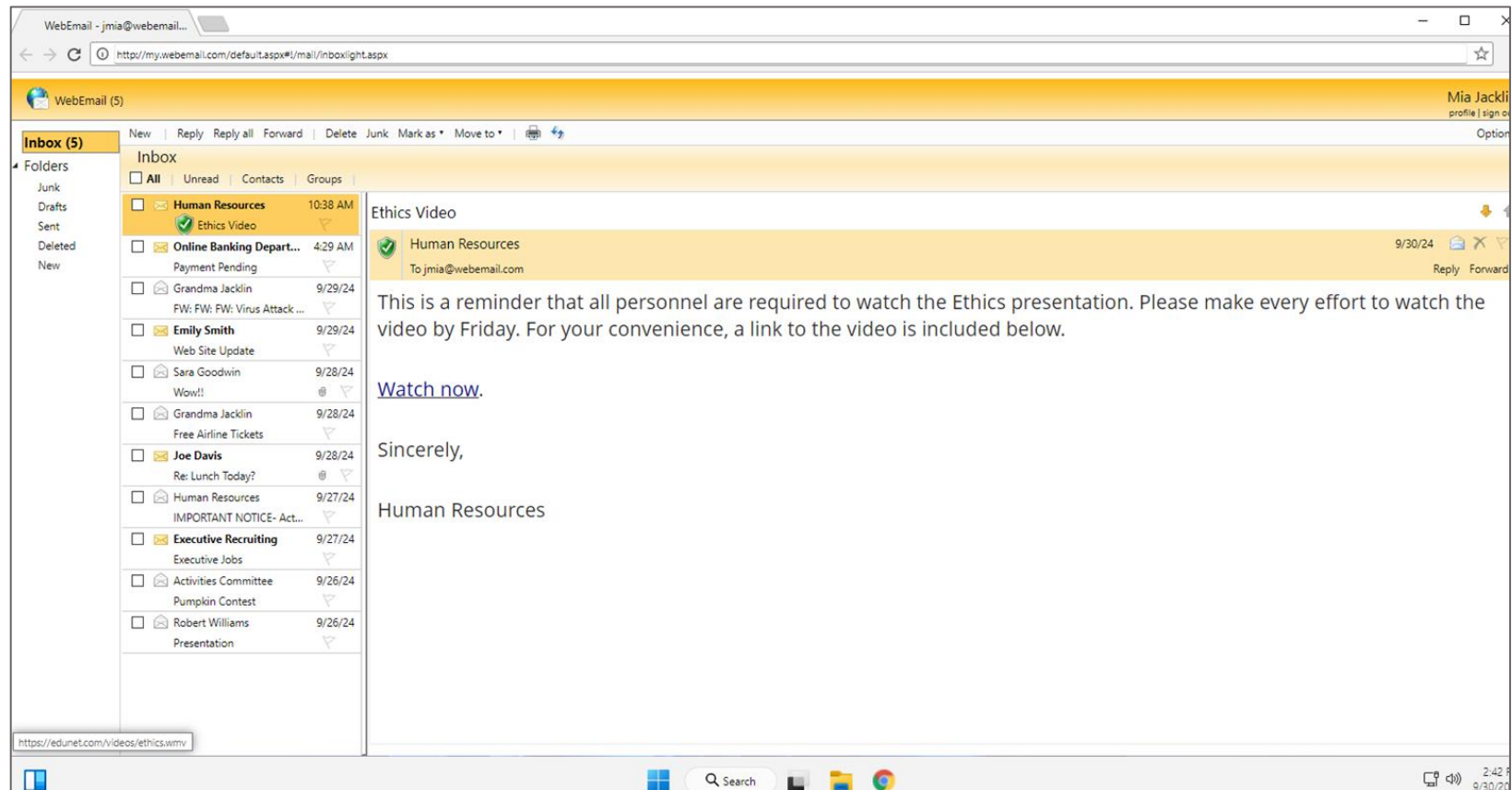
The browser's address bar shows the URL: <http://85-214.70.156/olider/detail/windowsupdate/v7/sp-update718.exe>. The Windows taskbar at the bottom shows the date and time as 2:41 PM on 9/30/2024.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.

The screenshot shows a WebMail interface with an inbox containing several emails. The selected email is from 'Online Banking Department' with the subject 'Payment Pending'. The email body contains a phishing message:

Payment Pending

Online Banking Department
To: jmia@webmail.com

Dear Credit Union Customer:

You have an unconfirmed payment pending on your account. Please verify your account information for payment approval. We implore you to follow the link below to verify your account details.

[Account Verification](#)

Note: You are strictly advised to match your information correctly to avoid service suspension.

Thank you for your cooperation. Your information will be treated with utmost confidence. However, if you fail to provide the required information, your account will automatically be deleted from our online database.

Sincerely,

Fred Ball
Senior Vice President
Online Banking

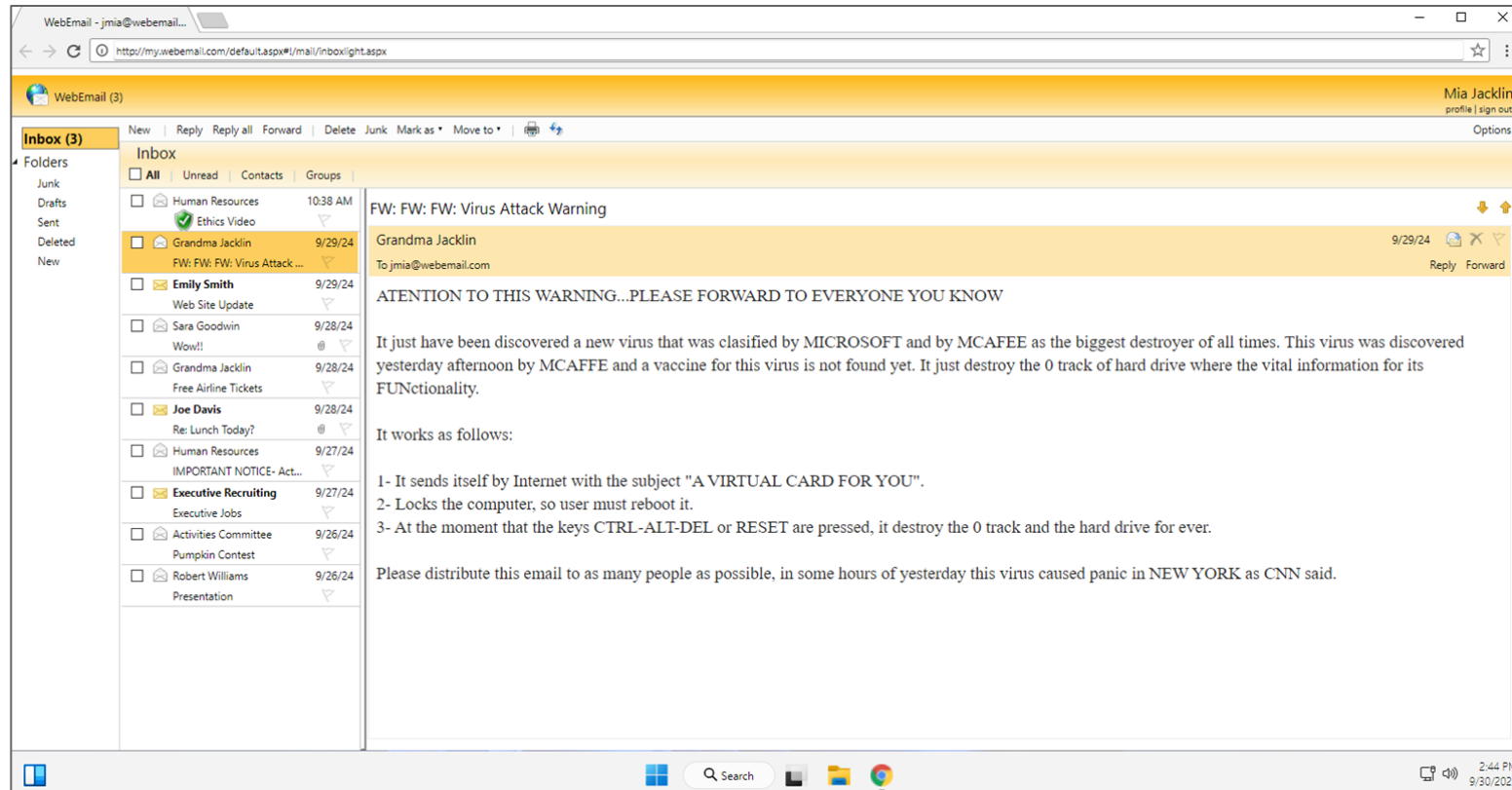
The interface also shows a list of other emails in the inbox, including one from 'Human Resources' with the subject 'Ethics Video' and another from 'Grandma Jacklin' with the subject 'FW: FW: Virus Attack...'. The browser address bar shows the URL 'http://my.webmail.com/default.aspx#/mail/inboxright.aspx'.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.



The screenshot shows a webmail interface for Mia Jacklin. The email being viewed is a forwarded message from Grandma Jacklin with the subject "FW: FW: Virus Attack Warning". The email body contains the following text:

ATTENTION TO THIS WARNING...PLEASE FORWARD TO EVERYONE YOU KNOW

It just have been discovered a new virus that was clasified by MICROSOFT and by MCAFFEE as the biggest destroyer of all times. This virus was discovered yesterday afternoon by MCAFFE and a vaccine for this virus is not found yet. It just destroy the 0 track of hard drive where the vital information for its FUNctionality.

It works as follows:

- 1- It sends itself by Internet with the subject "A VIRTUAL CARD FOR YOU".
- 2- Locks the computer, so user must reboot it.
- 3- At the moment that the keys CTRL-ALT-DEL or RESET are pressed, it destroy the 0 track and the hard drive for ever.

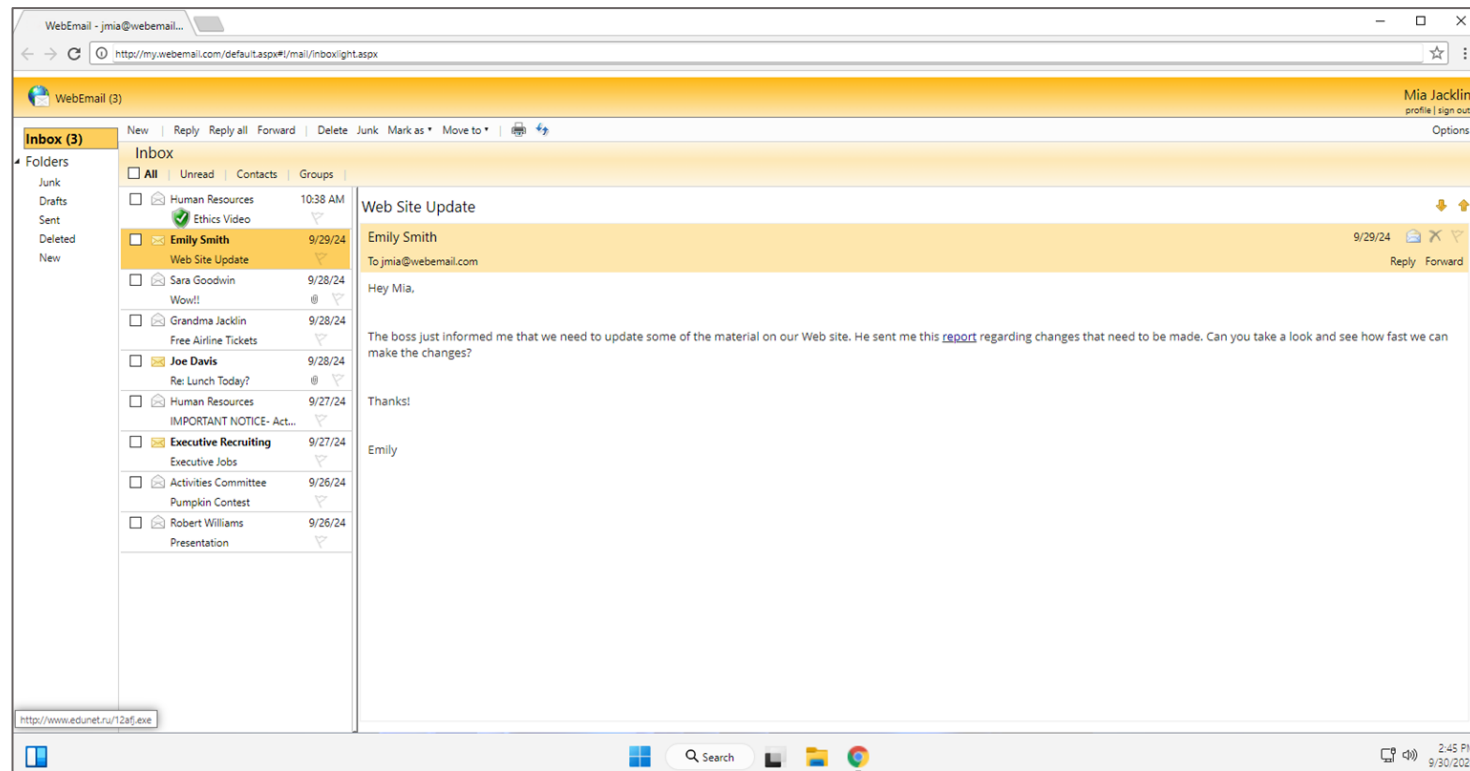
Please distribute this email to as many people as possible, in some hours of yesterday this virus caused panic in NEW YORK as CNN said.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

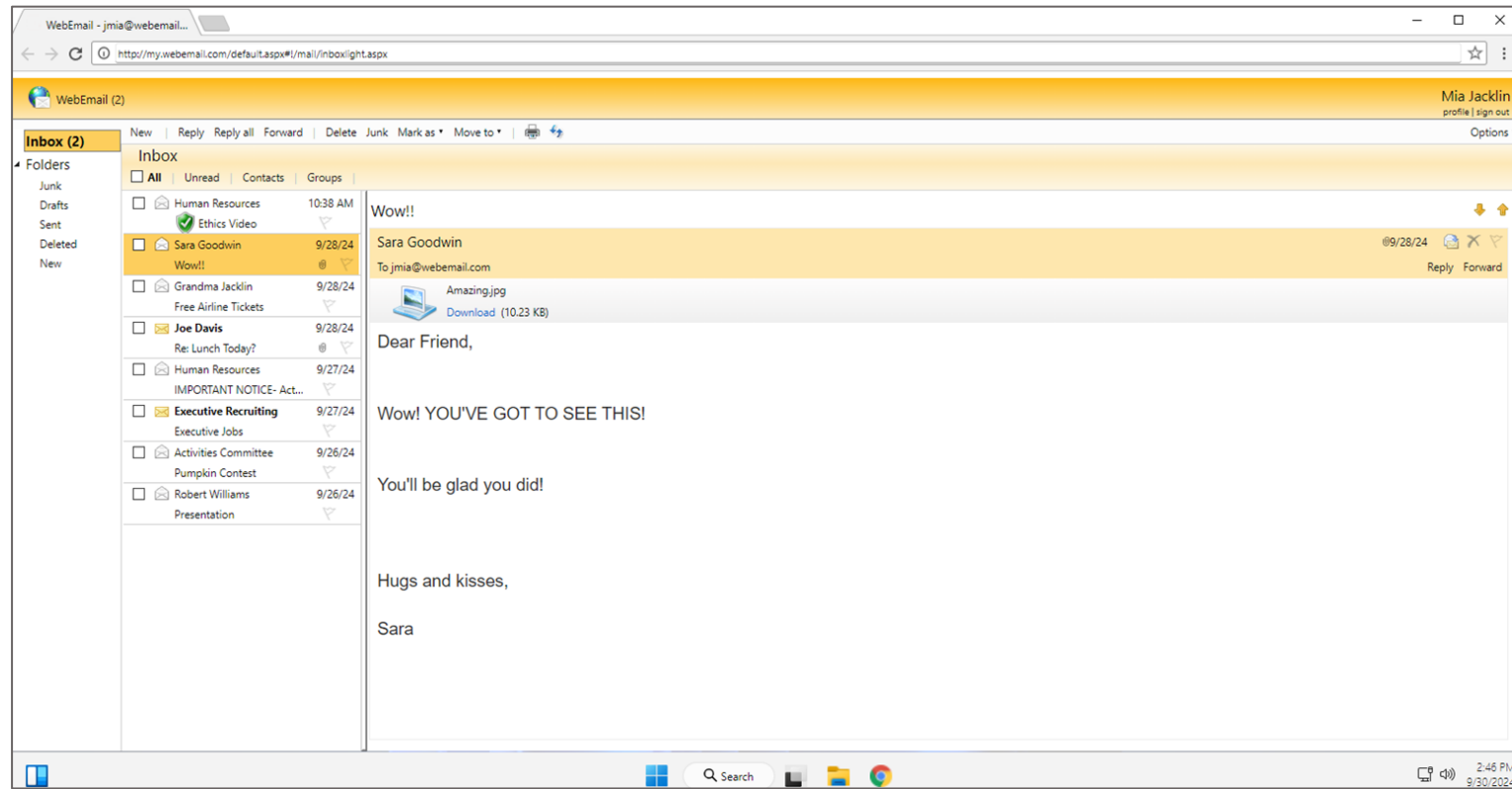
For each email presented, determine if the email is **safe** or **not safe**.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.

The screenshot shows a webmail interface for 'jmia@webemail.com'. The inbox contains several emails, with the selected one being 'Free Airline Tickets' from 'Grandma Jacklin' (To: jmia@webemail.com) dated 9/28/24. The email body contains the following text:

Hi, thought you might want some free airline tickets!

Grandma J.
>>>>>>>

NORTHEAST E-MAIL PROMOTION
Share this info:

I contacted the NorthEast public relations office – THIS IS REAL!!!!!!

We at NorthEast Airlines have launched a national media campaign which aims to fill our aircrafts.

A part of this campaign is direct email advertising. This is where YOU come in!

NorthEast Airlines is tracking this email, and for every 5 people you forward this to, you will receive a round trip flight to any destination in the continental U.S.

Send this email to 10 people and you are eligible to fly ANYWHERE in the world round trip!

Simple as that! You will be contacted via email within 5 working days for your full contact information and booking details.

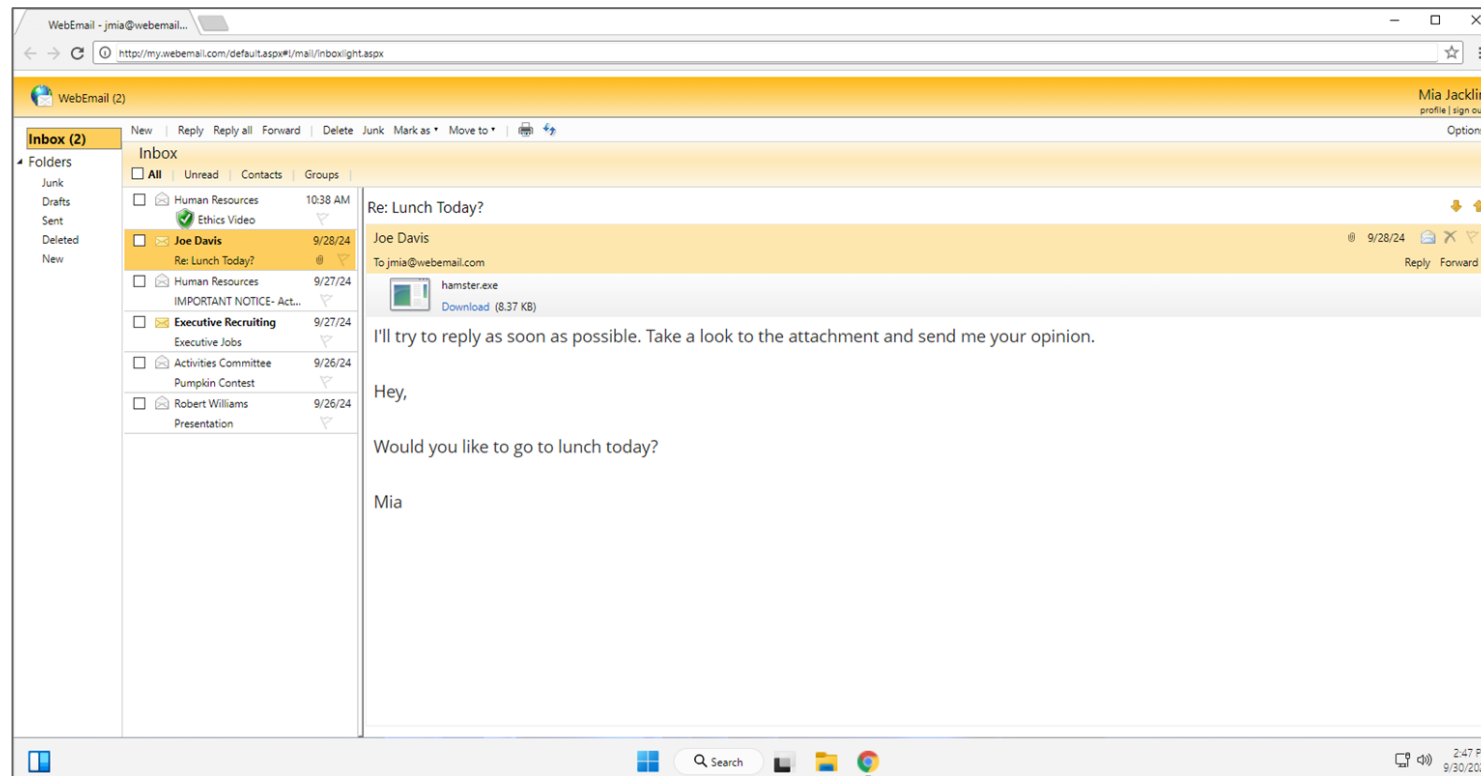
Note: one flight per person only.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

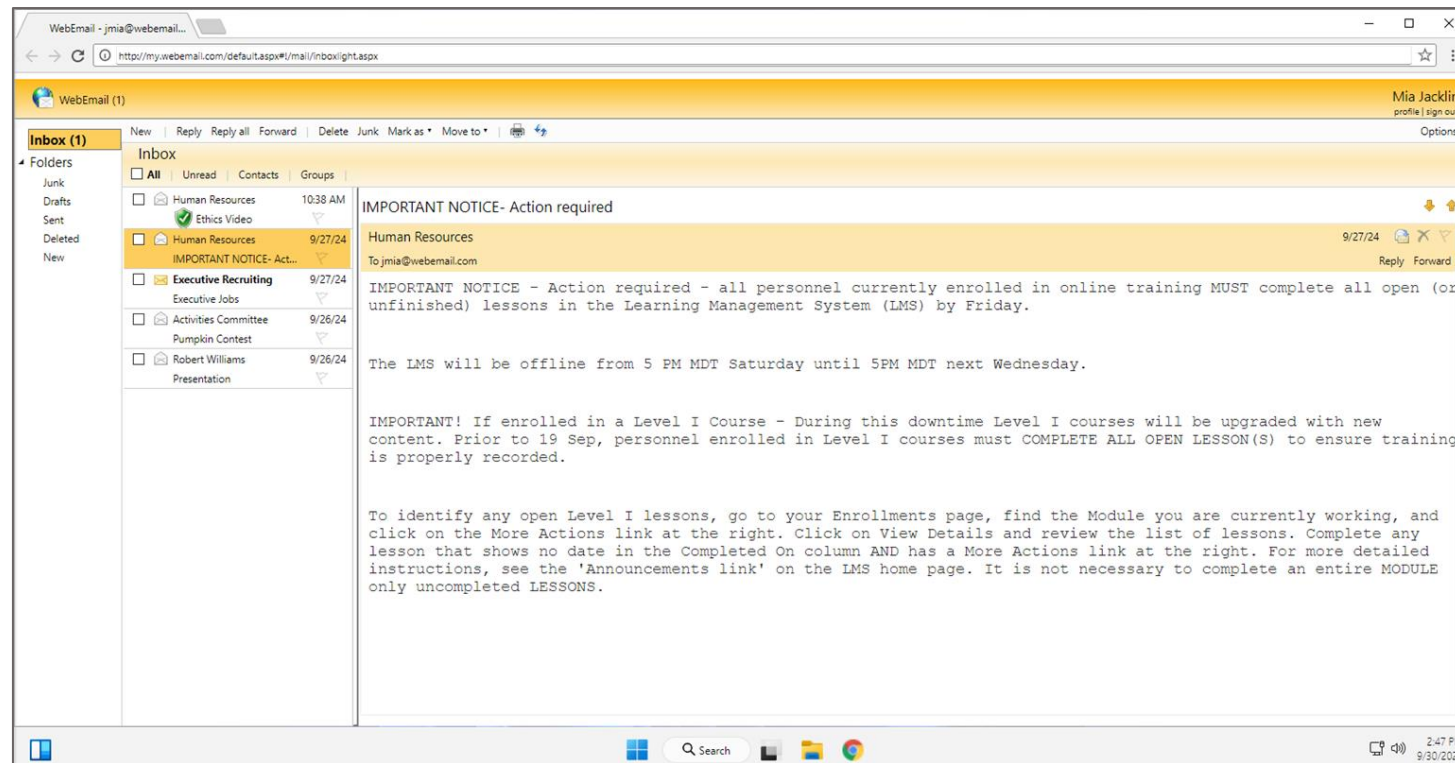
For each email presented, determine if the email is **safe** or **not safe**.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

For each email presented, determine if the email is **safe** or **not safe**.

The screenshot shows a webmail interface for 'WebEmail (1)'. The user is 'Mia Jacklin'. The inbox contains several emails. The selected email is titled 'Executive Recruiting' and is dated 9/27/24. The sender is 'Executive Recruiting' with the email address 'To jmia@webemail.com'. The email body contains the following text:

Dear Mia,

As a seasoned executive, you are in high demand in today's technology industry. We represent thousands of company's that are looking for seasoned executives like yourself.

We would like to offer you a one-month trial membership to our Executive Search service. Click on the link below to register and you will find career advancement and higher salaries in your immediate future.

[Register](http://www.exec-recruiting.de/info.register.aspx)

After registration we will contact you to attend an individual search consultation with one of our Executive Career Specialists. We look forward to serving you!

Sincerely,

Leslie Johnson, Director

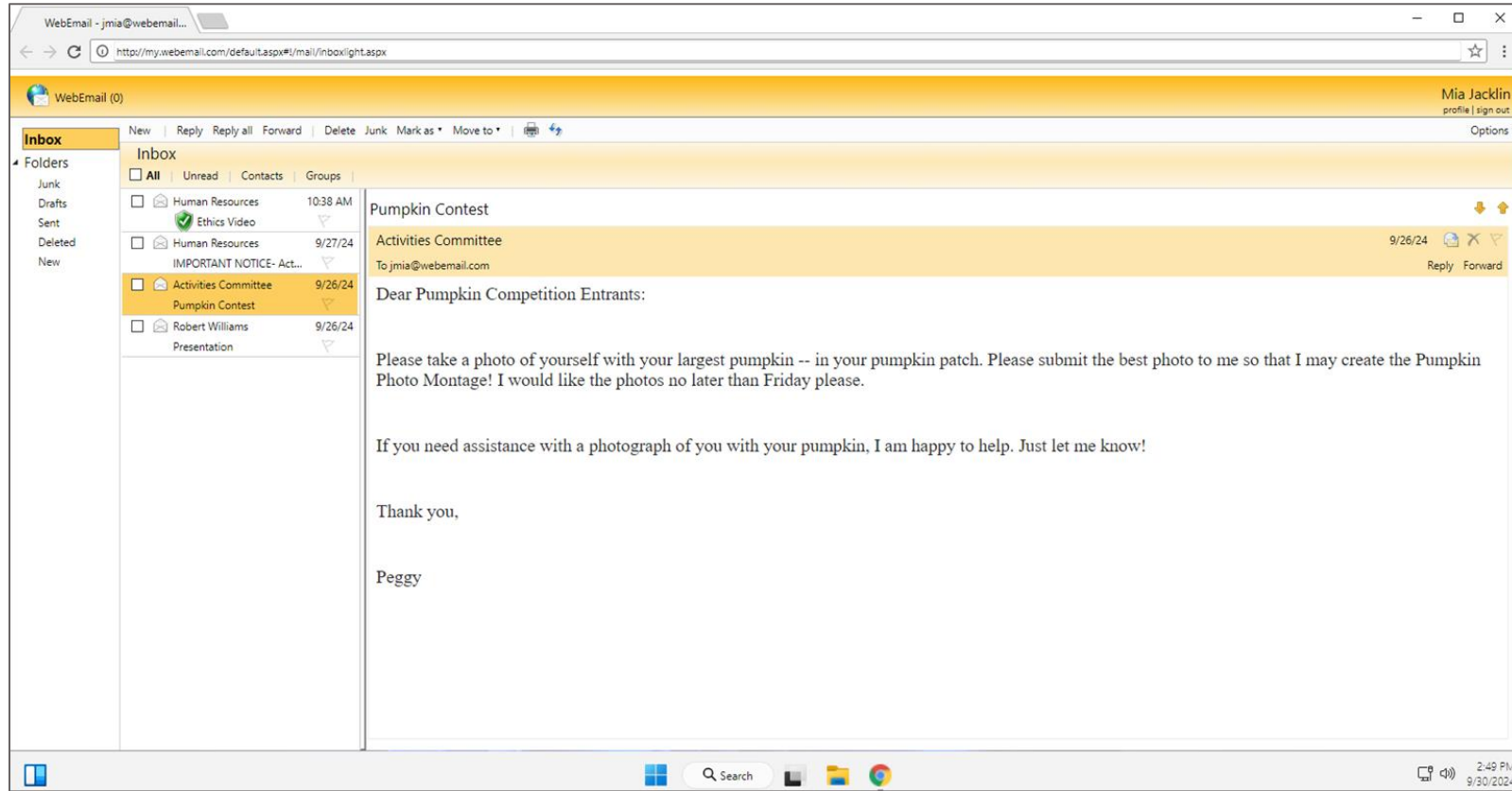
The browser's address bar shows the URL: <http://www.exec-recruiting.de/info.register.aspx>. The Windows taskbar at the bottom shows the time as 2:48 PM on 9/30/2024.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

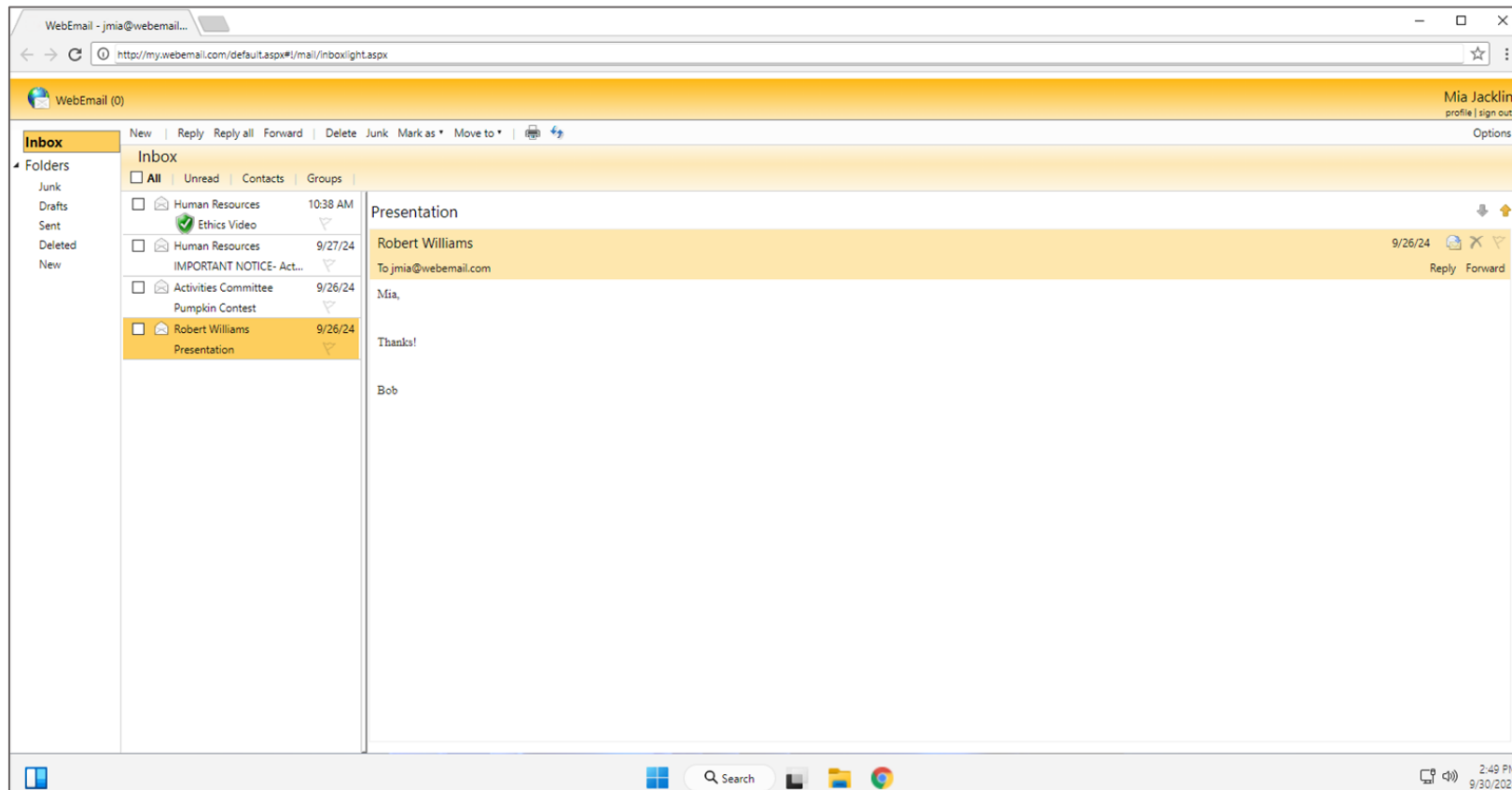
For each email presented, determine if the email is **safe** or **not safe**.



RESPONDING TO SOCIAL ENGINEERING

Is it safe?

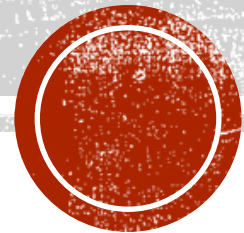
For each email presented, determine if the email is **safe** or **not safe**.





LOOKING AHEAD

For next seminar



LOOKING AHEAD

Seminar 4



**WE WILL REVIEW MICROSOFT OUTLOOK! FEEL FREE
TO WATCH THIS VIDEO TO GET AHEAD:**



**[HTTPS://WWW.LINKEDIN.COM/LEARNING/LEARNIN
G-OUTLOOK-DESKTOP-MICROSOFT-365-
18902561/STAY-ORGANIZED-AND-COLLABORATE-
WITH-OUTLOOK?U=21108259](https://www.linkedin.com/learning/learnin-g-outlook-desktop-microsoft-365-18902561/stay-organized-and-collaborate-with-outlook?u=21108259)**





THANK YOU

- Questions? Please contact me:
- betsy.mccall@purdueglobal.edu