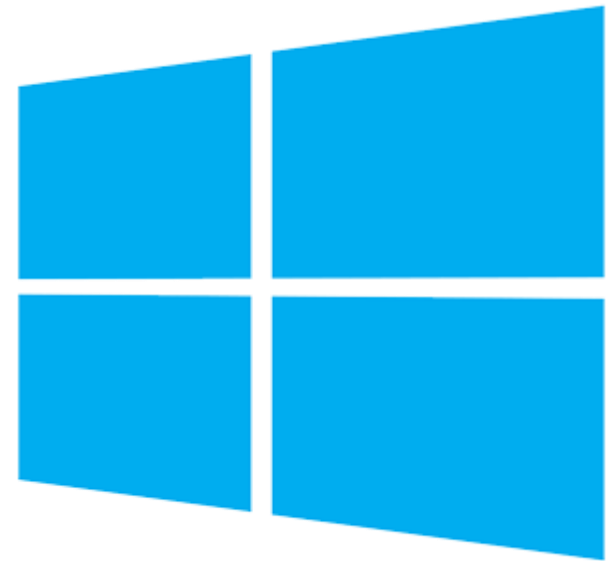


Windows 10 End of Life What Next?

Alan German
Ottawa PC Users' Group

September 10, 2025



End of Life

- Windows 10 will reach end-of-life (EOL) on October 14, 2025
- What does this mean?
- After October 14th, there will be:
 - no further Windows Updates
 - no security updates (patches)
 - no driver updates (hardware support)
 - no new features
 - no further technical support



International E-Waste Day, is observed
every year on October 14th
<https://weee-forum.org>

Now what?

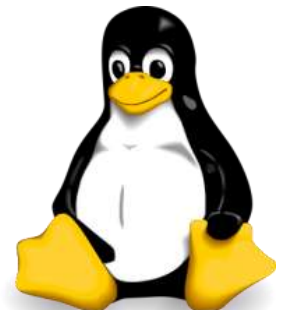
five weeks

- Don't panic! You have one ~~year~~ to decide
- Windows 10 will continue to receive security updates (Patch Tuesday, etc.) until next October
- Options at (or before) EOL:
 - Update to Windows 11 (if possible)
 - Keep using Windows 10
 - Purchase extended support from Microsoft
 - Purchase third-party extended support
 - Buy a new computer with Windows 11

Now what?

six weeks

- Don't panic! You have one ~~year~~ to decide
- Windows 10 will continue to receive security updates (Patch Tuesday, etc.) until next October
- Options at (or before) EOL:
 - Update to Windows 11 (if possible)
 - Keep using Windows 10
 - Purchase extended support from Microsoft
 - Purchase third-party extended support
 - Buy a new computer with Windows 11
 - **Trade up to Linux**





YouTubeTech

Windows 10 is DEAD!



Windows 10 Is DEAD! What You NEED to Know Now!



Dave's Garage ✓

984K subscribers

Subscribe

<https://www.youtube.com/watch?v=jN3ShDRoQvQ>



YouTubeTech

Using Windows 10? Do THIS Now Before It's Too Late!



Using Windows 10? Do THIS Now Before It's Too Late!



Dave's Garage ✓

1.02M subscribers

Subscribe

<https://www.youtube.com/watch?v=am0O6GpB7qI>



YouTubeTech

Windows 10: Four Months to Go

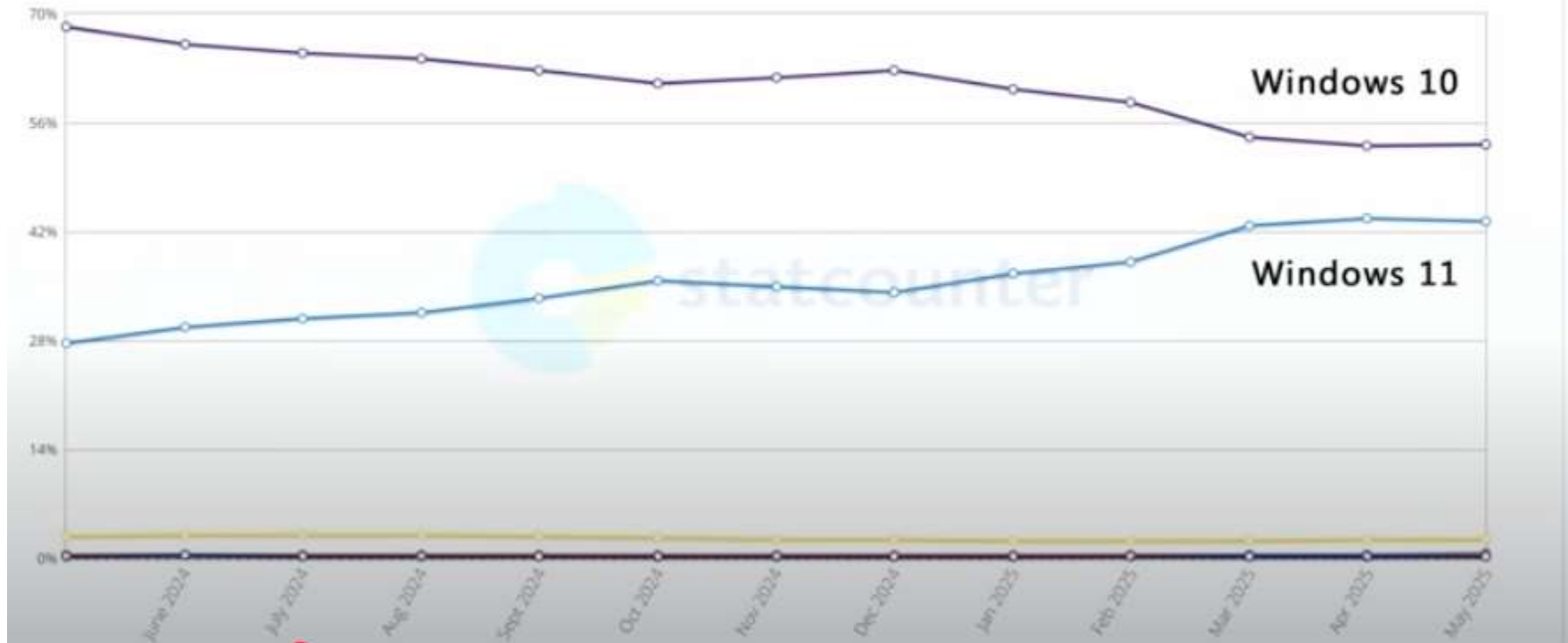


https://www.youtube.com/watch?v=gRjD_XJuo7g

May, 2025

Desktop Windows Version Market Share Worldwide

May 2024 - May 2025



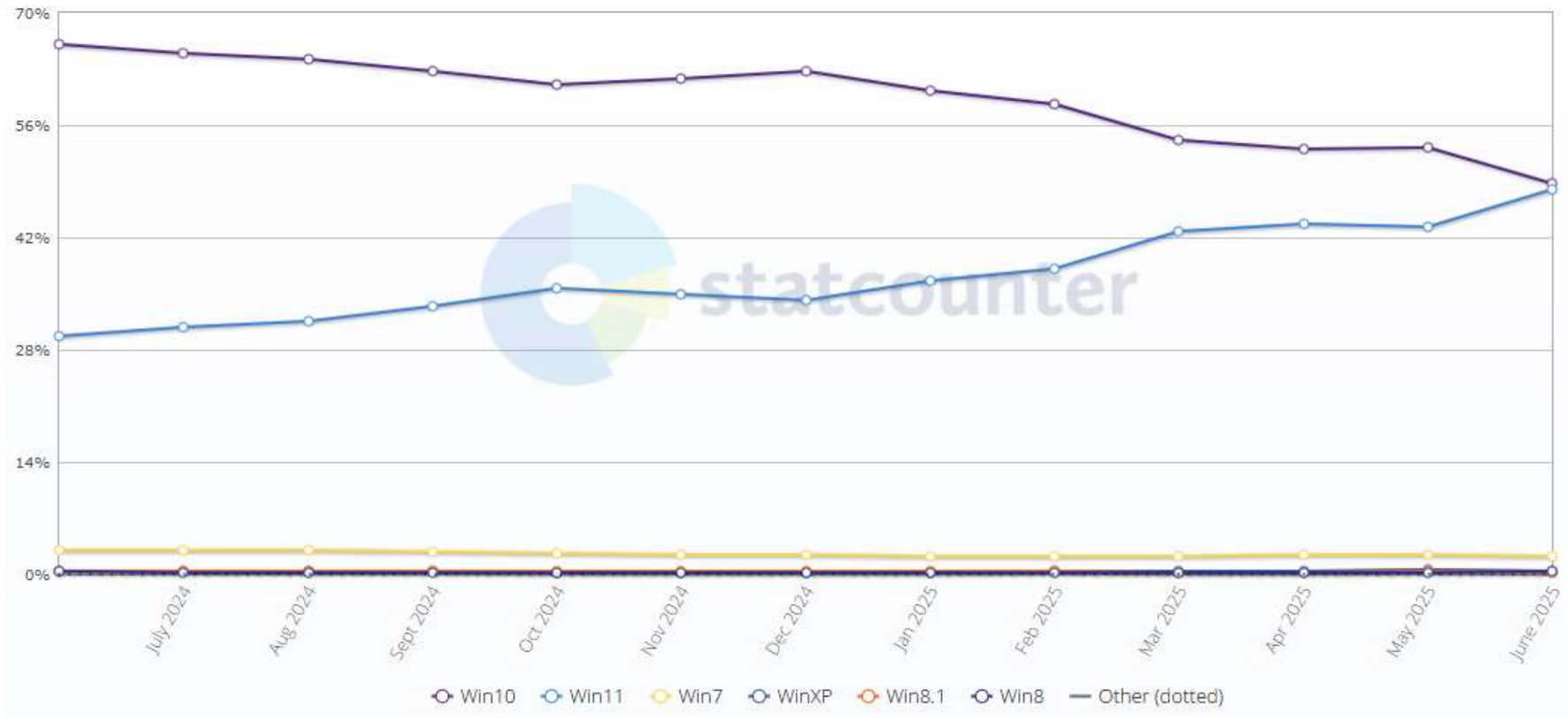
Windows 10 53.2%

Windows 11 43.2 %

June, 2025

Desktop Windows Version Market Share Worldwide

June 2024 - June 2025



Windows 10 48.8%

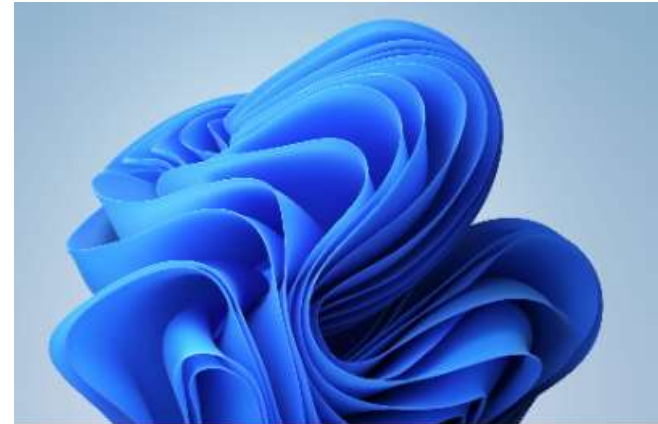
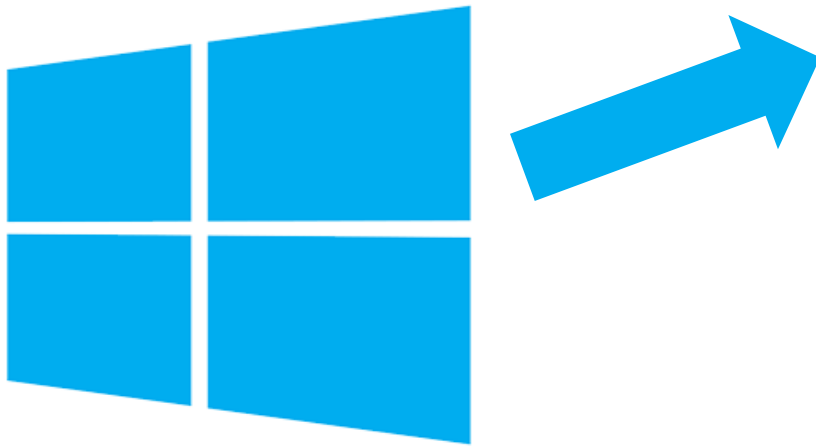
Windows 11 48.0 %

**Surge in Windows 11 users
in June but still 50-50!**

OPTION	PROS	CONS
Do nothing	Easy	Security risk
Run Windows 10 offline	Easy	Often impractical
Buy Microsoft ESUs	Buys time	Cost & availability
Buy third party security patches	Buys time	Cost & risk(?)
Migrate to Win 10 Enterprise LTSC	Buys time	Cost & availability
Unofficial Win 11 install	Relatively easy	No official support
Fully migrate to Linux-based OS	Long term fix	App compatibility
Dual boot Linux & offline Win 10	No resource split	Setup/complexity
Linux host with offline Win 10 VM	Flexibility	Splits resources
Win 10 host with Linux VM	Secure browsing	Some security risk

First Things First

- Can I update to Windows 11?



First Things First

Make sure the device you want to install Windows 11 on meets the **minimum system requirements**. If your device is currently running Windows 10, we recommend you verify the minimum system requirements using the PC Health Check app. We do not recommend installing Windows 11 on a device that doesn't meet requirements. For more info, see [Installing Windows 11 on devices that don't meet minimum system requirements](#).

<https://support.microsoft.com/en-us/windows/ways-to-install-windows-11-e0edbbfb-cfc5-4011-868b-2ce77ac7c70e>





First Things First

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<https://support.microsoft.com/en-us/windows/ways-to-install-windows-11-e0edbbfb-cfc5-4011-868b-2ce77ac7c70e>

Ways to install Windows 11

Windows Update in Settings (recommended)

If you're upgrading from Windows 10, we recommend you wait until you're notified through Windows Update that the upgrade is ready for your device. To check if Windows 11 is ready for your device, select **Start**  > **Settings**  > **Update & Security**  > **Windows Update**  > **Check for updates**.

<https://support.microsoft.com/en-us/windows/ways-to-install-windows-11-e0edbbfb-cfc5-4011-868b-2ce77ac7c70e>

Download Windows 11

(Current release: Windows 11 2024 Update | Version 24H2)

There are 3 options below for installing or creating Windows 11 media. Check out each one to determine the best option for you.

Before installing, check the [Windows release information status](#) for known issues that may affect your device. If you're running a prior version of Windows, see the [Upgrade to Windows 11:FAQ](#) for additional information.

Windows 11 Installation Assistant

This is the best option for installing Windows 11 on the device you're currently using. Click **Download Now** to get started.

Note: Windows 11 Installation Assistant doesn't run on Arm-based PCs; it only works for x64 processors.

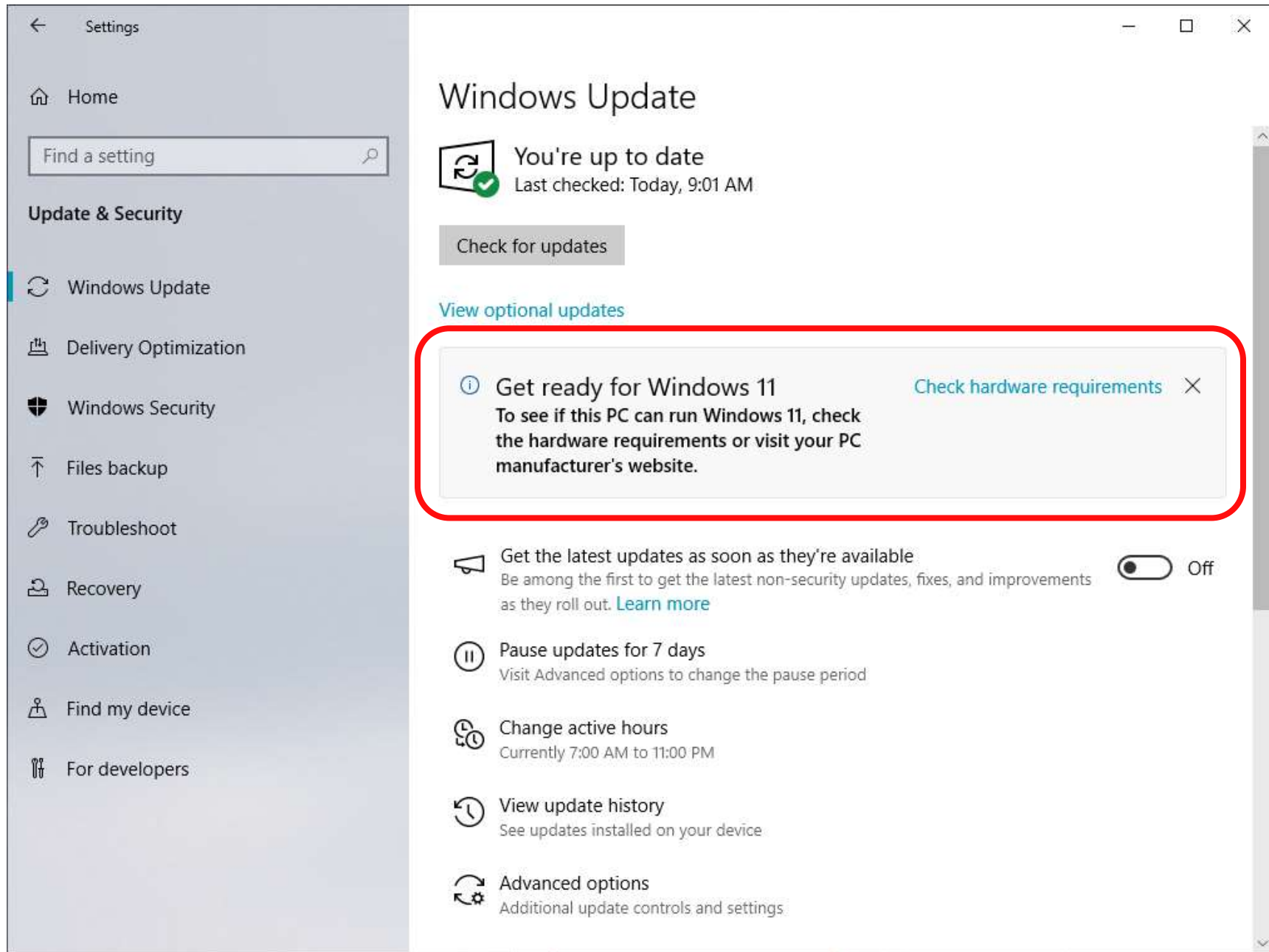


> Before you begin using Installation Assistant

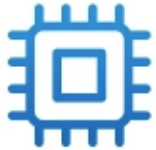
[Download Now](#)

<https://www.microsoft.com/en-us/software-download/windows11>

What about the rest of us?



System requirements



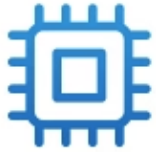
These are the minimum system requirements for installing Windows 11 on a PC. If your device does not meet these requirements, you may not be able to install Windows 11 on your device and might want to consider purchasing [a new PC](#). If you are unsure whether your PC meets these requirements, you can check with your PC Original Equipment Manufacturer (OEM) or, if your device is already running Windows 10, you can use the [PC Health Check app](#) to assess compatibility. Note that this app does not check for graphics card or display, as most compatible devices will meet those requirements listed below.

Your device must be [running Windows 10](#), version 2004 or later, to upgrade. Free updates are available through Windows Update in Settings>Update and Security.

Processor	1 gigahertz (GHz) or faster with 2 or more cores on a compatible 64-bit processor or System on a Chip (SoC).
RAM	4 gigabytes (GB)
Storage	64 GB or larger storage device Note: See below under “More information on storage space to keep Windows 11 up-to-date” for more details.
System firmware	UEFI, Secure Boot capable. Check here for information on how your PC might be able to meet this requirement.
TPM	Trusted Platform Module (TPM) version 2.0. Check here for instructions on how your PC might be enabled to meet this requirement.
Graphics card	Compatible with DirectX 12 or later with WDDM 2.0 driver.
Display	High definition (720p) display that is greater than 9” diagonally, 8 bits per color channel.

<https://www.microsoft.com/en-ca/windows/windows-11-specifications>

System requirements



These are the minimum system requirements for installing Windows 11 on a PC. If your device does not meet these requirements, you may not be able to install Windows 11 on your device and might want to consider purchasing [a new PC](#). If you are unsure whether your PC meets these requirements, you can check with your PC Original Equipment Manufacturer (OEM) or, if your device is already running Windows 10, you can use the [PC Health Check app](#) to assess compatibility. Note that this app does not check for graphics card or display, as most compatible devices will meet those requirements listed below.

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<https://www.microsoft.com/en-ca/windows/windows-11-specifications>

Check for compatibility

Use the PC Health Check app to see if your PC can run Windows 11. [11](#) [12](#)

[Download PC Health Check app >](#)

[See Windows 11 minimum system requirements >](#)



<https://www.microsoft.com/en-ca/windows/windows-11#pchealthcheck>

Check for compatibility

Use the PC Health Check app to see if your PC can run Windows 11. ¹¹ ¹²

Download PC Health Check app >

See Windows 11 minimum system requirements >



<https://www.microsoft.com/en-ca/windows/windows-11#pchealthcheck>

Download "WindowsPCHealthCheckSetup.msi"?

File Name: WindowsPCHealthCheckSetup.msi

File Size: 14.35 MB

Host: download.microsoft.com

Location: D:\original

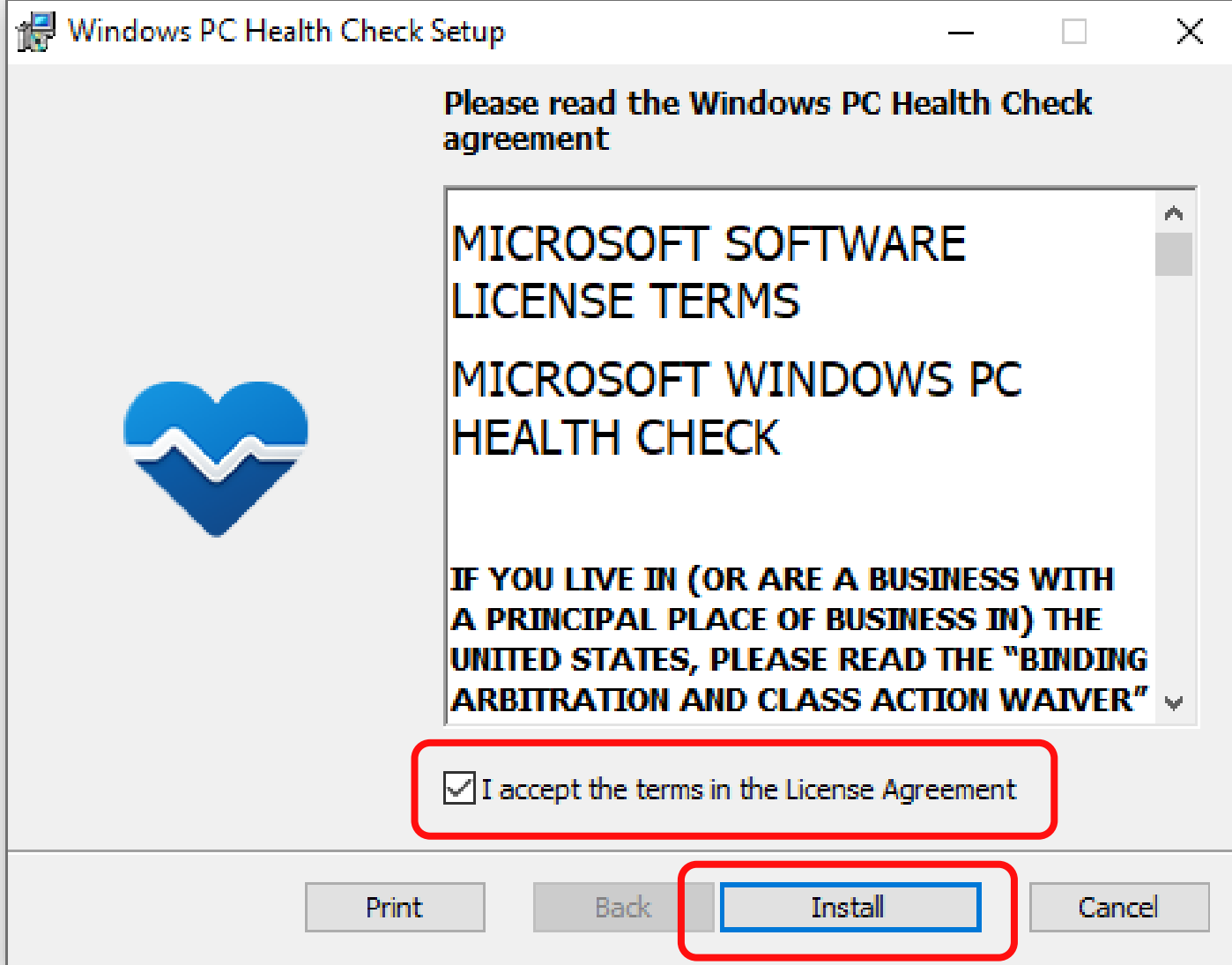
☐ Always Save Files to Default Download Location

Save

Save As...

Open

Cancel



Please read the Windows PC Health Check agreement



MICROSOFT SOFTWARE
LICENSE TERMS

MICROSOFT WINDOWS PC
HEALTH CHECK

IF YOU LIVE IN (OR ARE A BUSINESS WITH
A PRINCIPAL PLACE OF BUSINESS IN) THE
UNITED STATES, PLEASE READ THE "BINDING
ARBITRATION AND CLASS ACTION WAIVER"

☒ I accept the terms in the License Agreement

Print

Back

Install

Cancel



Windows PC Health Check Setup



Installing



We're getting things ready for you...

Status:

Back

Next

Cancel



Windows PC Health Check Setup



Windows PC Health Check is installed



☒ Open Windows PC Health Check

☐ Add shortcut to desktop

Back

Finish

Cancel

PC health at a glance



DELL-INSPIRON

16 GB RAM

250 GB SSD

9 years old

[Rename your PC](#)

Introducing Windows 11

Let's check if this PC meets the system requirements.
If it does, you can get the free upgrade when it's available.

[Check now](#)



Windows Backup

[See details](#) ^

Your organization manages back up and sync settings on this PC. Contact your IT admin for more info.



Windows Update

[See details](#) v



Battery capacity

74% of the design capacity v



Storage capacity

86% full v



Startup time

[See details](#) v

[? About](#)

Related link

[More on Windows 11](#)

PC health at a glance



DELL-INSPIRON

16 GB RAM

250 GB SSD

9 years old

[Rename your PC](#)

Introducing Windows 11

Let's check if this PC meets the system requirements.
If it does, you can get the free upgrade when it's available.



This PC doesn't currently meet Windows 11 system requirements

Check to see if there are things you can do, and if not, you'll keep getting Windows 10 updates.



TPM 2.0 must be supported and enabled on this PC.
[More about enabling TPM 2.0](#)
TPM: TPM not detected



The processor isn't currently supported for Windows 11.
[More about supported CPUs](#)
Processor: Intel® Core™ i7-4510U CPU @ 2.00GHz

[See all results](#)

[Learn more](#)



Startup time

[See details](#) ^

[Contact your IT](#)

[See details](#) v

[Design capacity](#) v

86% full v

[See details](#) v

[About](#)

Related link

[More on Windows 11](#)



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[More about enabling TPM 2.0](#)

TPM: TPM not detected



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[More about supported CPUs](#)

Processor: Intel® Core™ i7-4510U CPU @ 2.00GHz

See all results

Learn more



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Check to see if there are things you can do, and if not, you'll keep getting Windows 10 updates.



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[More about enabling TPM 2.0](#)

TPM: TPM not detected



The processor isn't currently supported for Windows 11.

[More about supported CPUs](#)

Processor: Intel® Core™ i7-4510U CPU @ 2.00GHz

See all results

Learn more

Enable TPM 2.0 on your PC

Most PCs that have shipped in the last 5 years are capable of running Trusted Platform Module version 2.0 (TPM 2.0). TPM 2.0 is required to run Windows 11, as an important building block for security-related features. TPM 2.0 is used in Windows 11 for a number of features, including Windows Hello for identity protection and BitLocker for data protection.

Note: This article is intended for users who are not able to upgrade to Windows 11 because their PC is not currently enabled with TPM 2.0 or their PC is capable of running TPM 2.0 but is not set up to do so. If you are unfamiliar with this level of technical detail, we recommend that you consult your PC manufacturer's support information for more instructions specific to your device.

<https://support.microsoft.com/en-us/windows/enable-tpm-2-0-on-your-pc-1fd5a332-360d-4f46-a1e7-ae6b0c90645c>



YouTubeTech

Windows TPM Trap



Microsoft's Dirty Secret: Your Old PC is Now Trash!



Dave's Garage ✓
982K subscribers

Subscribe

<https://www.youtube.com/watch?v=dGj0rVZGfuk>



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The processor isn't currently supported for Windows 11.

[More about supported CPUs](#)

Processor: Intel® Core™ i7-4510U CPU @ 2.00GHz

See all results

Learn more

Windows 11 System Requirements

Windows 11 is crafted to bring you closer to what you love, launching at a time when PCs are more central than ever to how we connect, create, and play. In setting the minimum system requirements for Windows 11, we focused on three guiding principles to ensure a great user experience:

Minimum System Requirements for running Windows 11

These are the minimum system requirements your PC must meet:

Processors/CPU's (Central Processing Units) ^

1 Ghz or faster with 2 or more cores and appearing on our [list of approved CPUs](#). The processor in your PC will be a main determining factor for running Windows 11. The clock speed (the 1 Ghz or faster requirement) and number of cores (2 or more) are inherent to the processor design as it was manufactured and are not considered upgradable components.

RAM



Storage



System Firmware



TPM



Graphics Card



Display



Internet Connectivity and Microsoft Accounts



Windows Version for Upgrade



- Get started
- Design
 - Design
 - What's new in Design
 - Minimum Hardware Requirements
- Windows Processor
 - Requirements
 - Windows Processor Requirements**

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Windows Processor Requirements


Article • 11/01/2024 • 17 contributors

[Feedback](#)

In this article

- [Windows Client Edition Processors](#)
- [Windows IoT Processors](#)
- [Windows Server Processors](#)

Windows Client Edition Processors

 Expand table

Windows Edition	AMD Processors	Intel Processors	Qualcomm Processors
Windows 7 and earlier editions	Supported AMD Processors	Supported Intel Processors	N/A
Windows 8.1	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 Enterprise LTSC 1507	Supported AMD Processors	Supported Intel Processors	N/A

[Collapse table](#)

Windows Edition	AMD Processors	Intel Processors	Qualcomm Processors
Windows 7 and earlier editions	Supported AMD Processors	Supported Intel Processors	N/A
Windows 8.1	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 Enterprise LTSC 1507	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 1511	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 1607	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 Enterprise LTSC 1607	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 1703	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 1709	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 1803	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 1809	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 Enterprise LTSC 1809	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 1903	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 1909	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 2004	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors


More

Settings

Home

Find a setting

System

Power & sleep

Battery

Storage

Tablet

Multitasking

Projecting to this PC

Shared experiences

System Components

Clipboard

Remote Desktop

Optional features

About

About

Your PC is monitored and protected.
[See details in Windows Security](#)

Device specifications

Inspiron 7547

Device name

Dell-Inspiron

Processor

Intel(R) Core(TM) i7-4510U CPU @ 2.00GHz 2.60 GHz

Installed RAM

16.0 GB

Device ID

53A2F8DD-A6C9-4D8C-84FB-DBA7AFBB4D66

Product ID

00326-10000-00000-AA800

System type

64-bit operating system, x64-based processor

Pen and touch

Touch support with 10 touch points

Copy

Rename this PC

Windows specifications

Edition

Windows 10 Home

Version

22H2

Installed on

2020-08-16

OS build

19045.5371

Experience

Windows Feature Experience Pack 1000.19060.1000.0

Copy

Related settings

[BitLocker settings](#)

[Device Manager](#)

[Remote desktop](#)

[System protection](#)

[Advanced system settings](#)

[Rename this PC \(advanced\)](#)

Help from the web

[Finding out how many cores my processor has](#)

[Checking multiple Languages support](#)

[Get help](#)

[Give feedback](#)

Settings > System > About > Windows Specifications

Device specifications

Inspiron 7547

Device name	Dell-Inspiron
Processor	Intel(R) Core(TM) i7-4510U CPU @ 2.00GHz 2.60 GHz
Installed RAM	16.0 GB

Windows specifications

Edition	Windows 10 Home
Version	22H2
Installed on	2020-08-16
OS build	19045.5371
Experience	Windows Feature Experience Pack 1000.19060.1000.0

Windows 10 1709	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 1803	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 1809	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 Enterprise LTSC 1809	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 1903	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 1909	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 2004	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 20H2	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 21H1	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 21H2	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 10 Enterprise LTSC 2021	Supported AMD Processors	Supported Intel Processors	N/A
Windows 10 22H2	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 11 version 21H2	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors
Windows 11 version 22H2 & 23H2	Supported AMD Processors	Supported Intel Processors	Supported Qualcomm Processors

- Filter by title
- Windows 10 22H2 - Intel processors
 - Windows 10 22H2 - Qualcomm processors
 - Windows 10 LTSB 1507 - AMD processors
 - Windows 10 LTSB 1507 - Intel processors
 - Windows 10 LTSB 1607 - AMD processors
 - Windows 10 LTSB 1607 - Intel processors
 - Windows 10 LTSB 1809 - AMD processors
 - Windows 10 LTSB 1809 - Intel processors

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Windows 10 22H2 Supported Intel Processors

Article • 05/23/2023 • 4 contributors

Feedback

Earlier generations and models of the CPUs listed may have limited support for devices on this version of Windows 10. Please contact your hardware vendor(s) for specific support details.

Expand table

Manufacturer	Brand	Model	IoT Applicability
Intel®	Atom®	E3805	IoT Enterprise Only
Intel®	Atom®	P3814	IoT Enterprise Only

Intel®

Core™

i5-9600T

Intel®

Core™

i5-L16G7

Intel®

Core™

i7-10510U

Intel®

Core™

i7-10510Y

Intel®

Core™

i7-1060G7

Intel®

Core™

i7-10610U

Intel®

Core™

i7-1065G7

Core i5

Core i7

Intel®	Core™	i7-14700F	new
Intel®	Core™	i7-14700K	new
Intel®	Core™	i7-14700KF	new
Intel®	Core™	i7-14700T	
Intel®	Core™	i7-5500U	
Intel®	Core™	i7-5550U	
Intel®	Core™	i7-5557U	
Intel®	Core™	i7-5600U	



No Core i7-4510U

Find in Page: 4510U

0 of 0



Match Case

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Windows 10 22H2 Supported Intel Processors

Article • 05/23/2023 • 4 contributors

[Feedback](#)



This PC doesn't currently meet Windows 11 system requirements

Check to see if there are things you can do, and if not, you'll keep getting Windows 10 updates.



TPM 2.0 must be supported and enabled on this PC.

[More about enabling TPM 2.0](#)

TPM: TPM not detected



The processor isn't currently supported for Windows 11.

[More about supported CPUs](#)

Processor: Intel® Core™ i7-4510U CPU @ 2.00GHz

See all results

Learn more



This PC doesn't currently meet Windows 11 system requirements



Check to see if there are things you can do, and if not, you'll keep getting Windows 10 updates.



This PC supports Secure Boot.



There is at least 4 GB of system memory (RAM).
System memory: 16 GB



The system disk is 64 GB or larger.
System storage: 250 GB

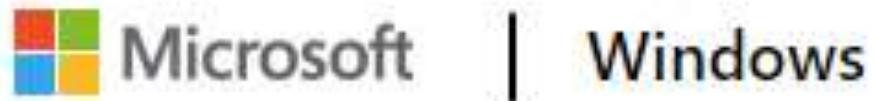


The processor has two or more cores.
Processor cores: 2



Hide all results

Learn more



This PC will not run Windows 11

Your PC does not meet the needed requirements. Windows 10 will be supported until October 14, 2025, but you can also explore new PCs that will run Windows 11.¹³



[See Windows 11 system requirements](#) > [Shop new PCs](#) >

Other Options

- Keep using Windows 10
- Purchase extended support from Microsoft
- Purchase third-party extended support
- Buy a new computer with Windows 11
- Trade up to Linux

So, which is best?

Keep Using Windows 10 as Usual

- **Not recommended!**
- No security updates
- No updated anti-virus signatures (Defender) *
- No technical support/troubleshooting
- Computer will be vulnerable to attack
- Hackers will put a lot of effort into compromising vulnerable machines
- Hardware/software compatibility issues may arise
- System performance may decline

** Updates for Defender on Windows 10 through October 2028*

Updates for Microsoft Defender

- Microsoft will continue to provide Security Intelligence Updates for Microsoft Defender Antivirus on Windows 10 through October 2028

<https://blogs.windows.com/windowsexperience/2025/06/24/stay-secure-with-windows-11-copilot-pcs-and-windows-365-before-support-ends-for-windows-10/>

Switch to Windows 10 LTSC

- Windows 10 Enterprise LTSC (Long-Term Servicing Channel)
- Stable version for businesses (e.g. ATM's)
- 2021 LTSC edition gets security patches until January 2027; the IoT variant extends that to 2032
- Need a valid license to activate LTSC
- Cheap key (US \$20-30) available online through established resellers



<https://www.makeuseof.com/sticking-with-windows-10-until-2030-plan/>

Complexity/Limitations

- Clean install (reinstall your apps)
- Upgrade (requires registry edits)
- Some new software won't install on older versions of Windows
- Need to install some system software (e.g. Microsoft Store app)
- Can the licence purchased from a third-party seller be trusted?
- An unknown aspect of this option

Install Windows 11 Anyway

- **Not recommended**
- Availability of security updates/anti-virus signatures is uncertain
- No technical support
- Hardware/software compatibility issues may arise
- A great unknown!

Purchase Extended Support

[Learn](#)[Discover](#) ▾[Product documentation](#) ▾[Development languages](#) ▾[Topics](#) ▾

Extended Security Updates (ESU) program for Windows 10

Article • 12/05/2023 • 1 contributor • Applies to: ☒ Windows 10

[Feedback](#)

In this article

[Device prerequisites](#)[Limitations](#)[Frequently asked questions](#)

The Windows 10 Extended Security Updates (ESU) program gives customers the option to receive security updates for PCs enrolled in the program. ESU is a paid program that provides individuals and organizations of all sizes with the option to extend the use of Windows 10 devices past the end of support date in a more secure manner. For more information about the Windows 10 lifecycle, see the [Windows Lifecycle FAQ](#).

<https://learn.microsoft.com/en-us/windows/whats-new/extended-security-updates>

Purchase Extended Security Updates

- Microsoft's ESU programme(s)
- Must be running Windows 10 Version 22H2
- Only provides security updates
- Doesn't provide any new features nor bug fixes
- No technical support
- Program enrollment will be available closer to the end of support in 2025
- Specific ESU program for consumers:
 - a one-year option
 - available for \$30

Purchase Extended Security Updates

- Microsoft's ESU programme(s)
- Must be running Windows 10 Version 22H2
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Updated options now published !!!

Consumer ESU program cost

You can enroll in ESU by one of the following three ways:

- At no additional cost if you are syncing your PC Settings
- Redeem 1,000 Microsoft Rewards points
- One-time purchase of \$30 USD or local currency equivalent plus applicable tax

<https://support.microsoft.com/en-gb/windows/windows-10-consumer-extended-security-updates-esu-program-33e17de9-36b3-43bb-874d-6c53d2e4bf42>



Windows 10 EOL

- Extended Security Updates (ESU) programme
- Updates through October 13, 2026.
- Free options (reward points, synchronize settings)
- **Ten licenses** to continue using Windows 10
- Use for **multiple machines**

You can use your existing ESU license on up to 10 devices once you enroll in ESU. Just go to *Settings > Update & Security > Windows Update* and select **Enroll now**.

Mid-August

<https://support.microsoft.com/en-us/windows/windows-10-consumer-extended-security-updates-esu-program-33e17de9-36b3-43bb-874d-6c53d2e4bf42>



YouTubeTech

Setting Up Windows 10 ESUs - For Free!



Setting Up Windows 10 ESUs - For Free!



ExplainingComputers ✓
1.11M subscribers

Subscribe

1.6K



Share

Save



https://www.youtube.com/watch?v=ERDjeKN1_Es

Microsoft Rewards

Microsoft account | Home Microsoft Rewards

rewards.bing.com

Search Google JS VPN

Microsoft | Rewards \$2 Million USD Sweepstakes Donate

Hi Alan
Level 1

Available points 804
Redeem >

Auto-redeem -
Setup >

Today's points 0
Points breakdown >

Streak count 0
Streak protection OFF

Earn Redeem Status Winners Refer and Earn

Check your points total at:
<https://rewards.bing.com/>

Amazon QR Code Xbox

100% 3:37 PM

FileEditViewBookmarksToolsWindowHelp

Microsoft Rewards

Microsoft account | HomeMicrosoft Rewards


rewards.bing.com

Search Google

JSVPN


Explore on Bing

+ 10




Find deals on Bing!
Search on Bing to find items on your shopping list
[Search now >](#)

+ 10




Find places to stay!
Search on Bing for hotels to stay at on your next adventure.
Available on Tuesday

+ 10




Feeling symptoms?
Search on Bing for a health condition to learn about the symptoms
Available on Wednesday

+ 10




Houses near you
Search on Bing for real-estate available in your dream town.

+ 10




Learn a new recipe
Search on Bing for the latest news

+ 20



Too tired to cook?
Search on Bing for a restaurant near you

+ 50



Quickly convert money
Search using Bing to find the latest currency conversion

00

Reset

100 %

3:38 PM

+5



**Earn rewards anywhere with
the Bing App**

Download the Bing app now to
claim 500 points as a new user!

[Learn more >](#)

+5



**Earn rewards anywhere with
the Bing App**

Download the Bing app now to
claim 500 points as a new user!

[Learn more >](#)

But, not so fast...

1. Download and install the app
2. Sign into the app with your Microsoft account
3. Complete two searches within 14 days using the app
4. The 500 points will be automatically added to your account



Hi Alan

Level 2 ⓘ



Available points ⓘ

1,325

[Redeem >](#)



Auto-redeem ⓘ

-

[Setup >](#)



Today's points ⓘ

0

[Points breakdown >](#)

Earn

Redeem

Status

Winners

Refer and Earn

True friends use Bing together

Share Microsoft Rewards with your friends to earn more points every time they search with Bing!



Staggered Release



- ESU enrollment commenced in July
- Enroll button is slowly rolling out
- Huge chunk of users are yet to gain access
- Chaotic rollout frustrating millions!
- All eligible users will be able to enroll before October 14th

<https://www.windowslatest.com/2025/08/25/hate-windows-11-windows-10s-extended-updates-enroll-button-is-slowly-rolling-out-says-microsoft/>

<https://www.windowcentral.com/microsoft/windows-10/windows-10-microsoft-chaotic-esu-rollout>

Purchase Third-Party Security Patches

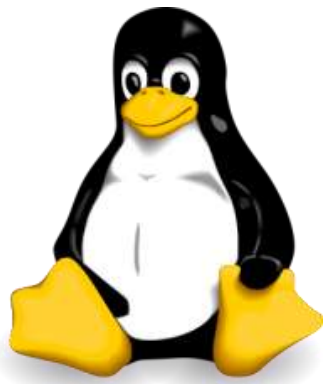
- 0Patch (<https://0patch.com>)
- Delivers “micropatches” to fix vulnerabilities
- 0patch Agent monitors running processes
- Immediately applies any available patch
- Windows 10 v22H2 scheduled for October 2025
- € 24.95 per annum (approx. \$37)
- Reliability of non-Microsoft patches?
- **Another unknown**



Buy a New Computer

- Windows 11 will be installed by default
- Cost of new hardware
- Compatibility of old software
- Abandon serviceable machine (E-waste?)





Trading up to Linux

- Linux is only for geeks
 - No it isn't
- Linux is hard to learn
 - No it isn't; it's very like Windows
- You have to use the command line
 - No you don't; most operations use a GUI
- The applications are different
 - Some are but they work just as well
 - Some are the same (cross-platform)
 - Some Windows programs will run on Linux

What is Linux?

- Linux is a free, open-source operating system
- It comes bundled with a set of useful applications
- Easy to install and use (but there is a learning curve)
- The desktop environment is very Windows-like
- Run Linux and Windows in dual-boot mode
- Boot by default into Linux for “normal” use
- Available applications may be sufficient
- Many Windows programs can run under Linux
- Boot into Windows 10 to run Windows-specific software off-line

The Process

- Download Linux Mint
- Create a bootable USB (or DVD) drive
- Boot the computer into Linux from the USB
- Check the hardware compatibility
- Review the applications bundled in the distro
- Install Linux dual-booted with Windows
- Boot into Linux or Windows from the GRUB menu
- Install Wine and/or Play on Linux to run Windows programs in Linux





USB share - Microsoft Word

File Home Insert Page Layout References Mailings Review View

Page Layout


Page 1 of 2 Words: 922

USB Drive Share via a Router

By Alan Geroun

My Dell Giga Hub modem features two external USB ports so I wondered if I could use one of these to host a USB drive and make this available over the wireless network. Sure enough, information available on the Internet, including documentation from Dell, suggested that a connection should be made to the network path \servername. However, Windows returned an error advising that this path was not accessible. A query to searching guru Chris Taylor suggested that \\192.168.2.1 was more likely to be successful and indeed this proved to be the case.

Furthermore, I subsequently discovered that a USB share using this path could be accessed from Windows, Linux and Android. Consequently, my home Wi-Fi now provides me with a macro-version of a server's attached storage (NAS) system that I can access from any of my computers hooked into either Linux or Windows, and from Android smartphones and tablets.




Micro-USB drive plugged into the Giga Hub modem

For anyone who has neither hardware nor wishes to set up a USB share, the procedures for the three operating systems are provided below. The example uses a 64-GB nano USB drive with the device name S4ghome, but it will be obvious how to customize the commands for another system.

Windows 10:

In the search box on the taskbar, type *Run*. In the text box, entered *Cmd*, type *\\192.168.2.1\S4ghome* and press OK. File Explorer will now open and display the contents (if any) of the USB drive.



Mon, 25 Nov 16:50

Linux North

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Running Linux Mint from a Live-USB

Most modern computers will boot from a USB flash drive so creating a bootable drive with Linux Mint as the operating system is the optimal method for test-driving this distro. This provides a means of checking the compatibility of a computer's hardware with Linux, and allows trying out the distro's features.

Note that this article is written from the perspective of a Windows user who wishes to try Linux. The use of a live-USB provides this capability without affecting the Windows installation on the computer in any way.

Should your computer be incapable of booting from a USB drive, you will need a computer equipped with a recordable CD/DVD drive. To create and run a bootable CD/DVD, check out the earlier posts: [Burning the .iso file to CD](#) and [Running the Live-CD](#)

Getting Started

We need four things to get started. Firstly, we will download the latest release of the Cinnamon edition of Linux Mint which is currently Version 22 (Wilma). The Cinnamon desktop is very like Windows in many ways and will provide a reasonably smooth introduction to the new operating system.

Recent Posts

- [LibreOffice Writer Not Retaining the Last Cursor Position](#)
- [Deploying a Qt 6 Program in Linux and Windows](#)
- [Restoring the Home desktop icon in Mint 21.1](#)
- [Installing Notepad++ in Linux Mint](#)

<https://linuxnorth.wordpress.com/running-linux-mint-from-a-live-usb/>

- [Opera under Android 11](#)
- [Asus T100 Transformer – Back in \(the Linux\) Business!](#)
- [Happy 30th Birthday!](#)

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Subscribe to this blog

Four Requirements

1. ISO file for Linux Mint 22 Cinnamon Edition
Version 22 (Wilma) *Latest release is Version 22.2 Zara*
2. USB flash drive, with a capacity of 4 GB or more
(empty or files that can be overwritten)
3. EXE file for Balena Etcher to create a bootable disk
4. Know how to boot the computer from a USB
drive*

* Search on Google for

Boot <*your computer's make and model*> from USB

Note - Latest Release is 22.2 (Zara)



"Wilma"

Linux Mint 22

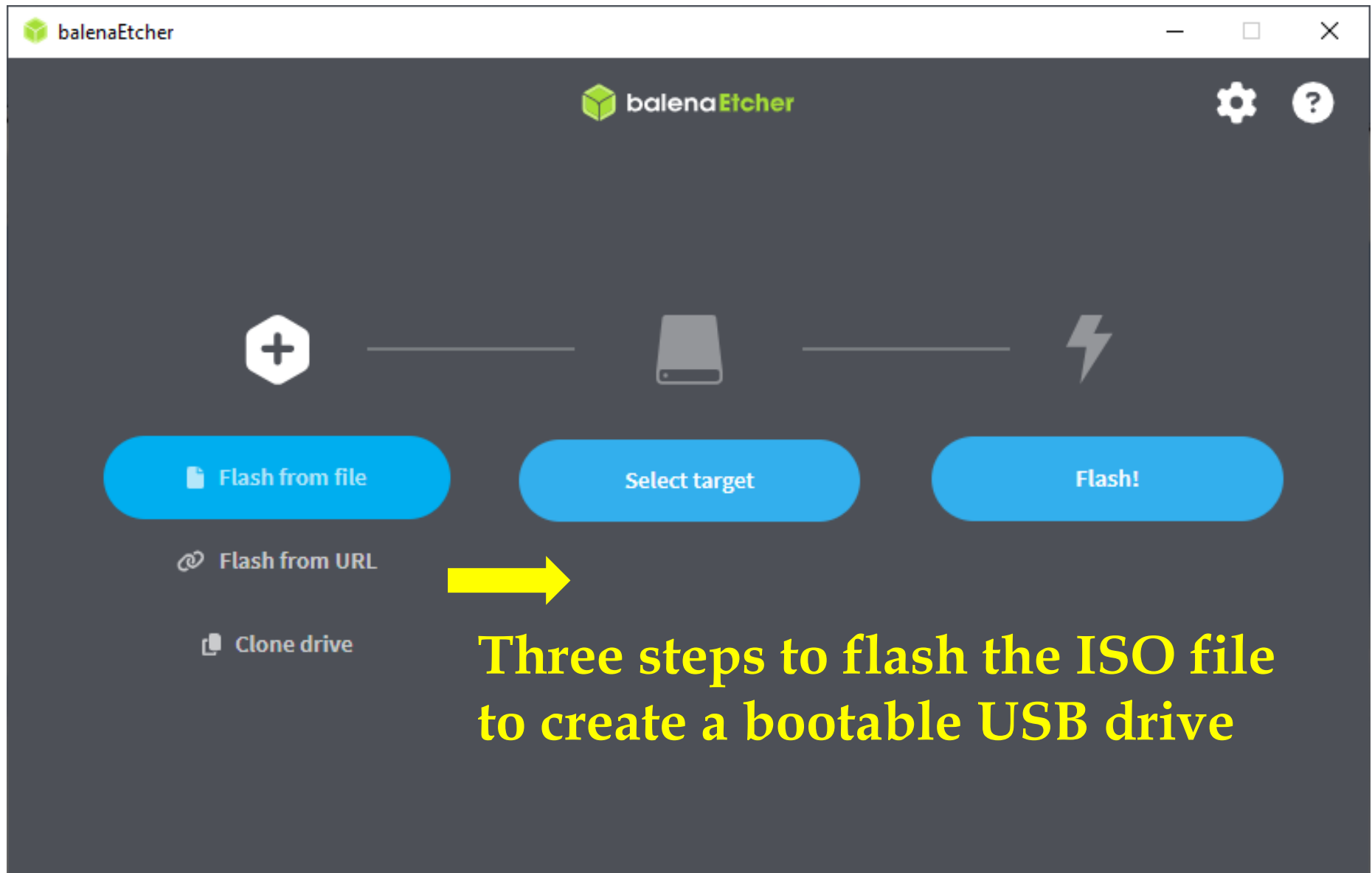
The latest version of the friendly operating system is here. Install it on your computer today!

Download

Installation Instructions



<https://linuxmint.com>



<https://etcher.balena.io>

Reboot the Computer using the USB

- How do you do this?



The screenshot shows a Google search interface. The search bar contains the text "Boot Dell Inspiron 15 from USB". Below the search bar, there are tabs for "All", "Videos", "Shopping", "Images", "News", "Books", "Web", and "More". The "All" tab is selected. Below the tabs, there is a featured snippet with the text: "Press F12 after the Dell logo is displayed on the screen to access the boot menu. A Preparing one-time boot menu message appears. After the boot menu loads, select the USB recovery device under UEFI BOOT." Below the snippet, there is a link to "Inspiron 15 3000 Setup and Specifications | Dell US". At the bottom right, there are links for "About featured snippets" and "Feedback".

Boot Dell Inspiron 15 from USB

All Videos Shopping Images News Books Web More Tools

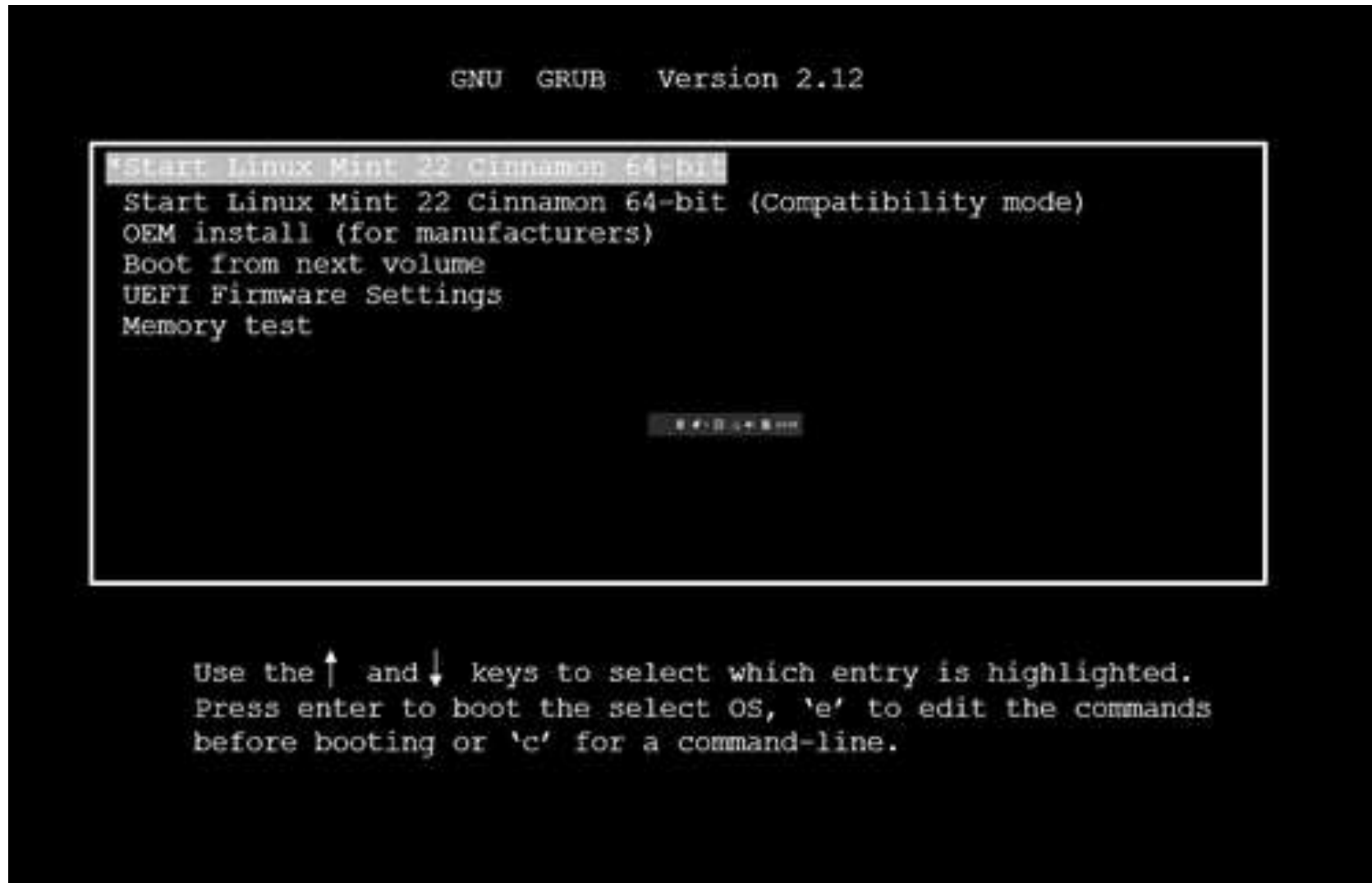
Press F12 after the Dell logo is displayed on the screen to access the boot menu. A Preparing one-time boot menu message appears. After the boot menu loads, select the USB recovery device under UEFI BOOT.

 Dell
<https://www.dell.com> › Support › Product Support

[Inspiron 15 3000 Setup and Specifications | Dell US](#)

 About featured snippets •  Feedback

GRand Unified Bootloader Menu (GRUB)



- Be patient as the boot process will take a little time
- We are booting directly from the USB drive which is relatively slow
- The process will involve black screens, and the occasional green-and-white Linux Mint (lm) logo
- The Linux desktop will eventually load in all its splendour!





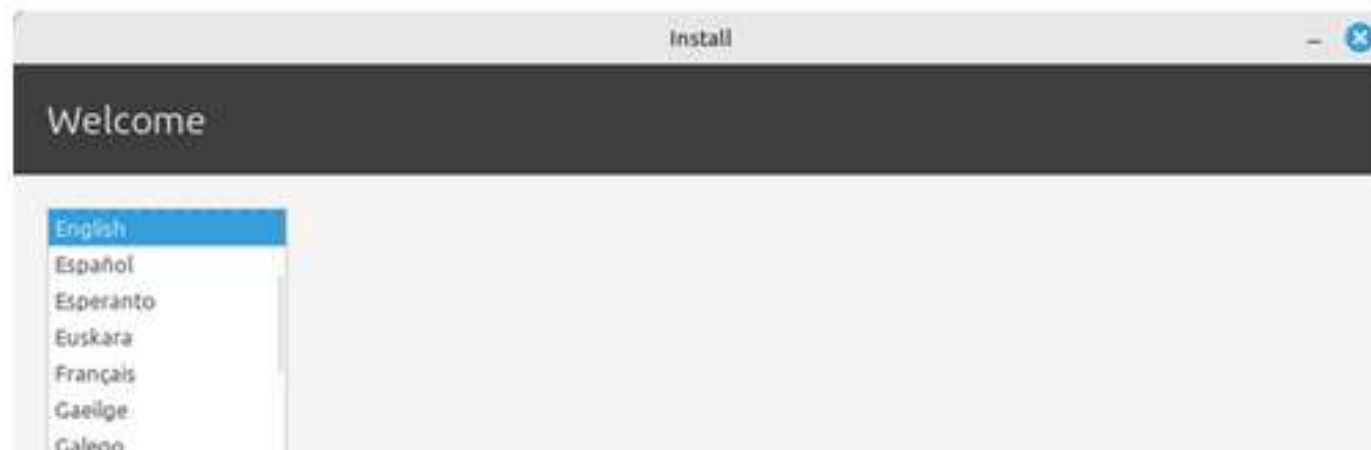


Linux desktop



Installation Process

- Double-click on *Install Linux Mint*
- Launches an installation wizard
- Many of the required inputs are straightforward
- Some may require a little explanation (to follow)



Linux North



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Installing Linux Mint as a Dual-Boot System

Most users who are new to Linux will have a computer with Windows installed on the hard drive. In my view, the best way to approach using Linux is to create a live-USB version of Linux Mint, use this to check that the computer's hardware is compatible with Linux, and try out some of the bundled software applications. A detailed user guide for this process is available in a previous post: [Running](#)

To proceed further, Linux can be installed

can be done so as to maintain access to the Windows operating system and its associated files while, at the same time, providing a path to boot into Linux. This is the so-called dual-boot (Windows-Linux) environment that offers the option to conduct a real test of the use of Linux while providing a fall-back option to return to Windows should this become necessary.

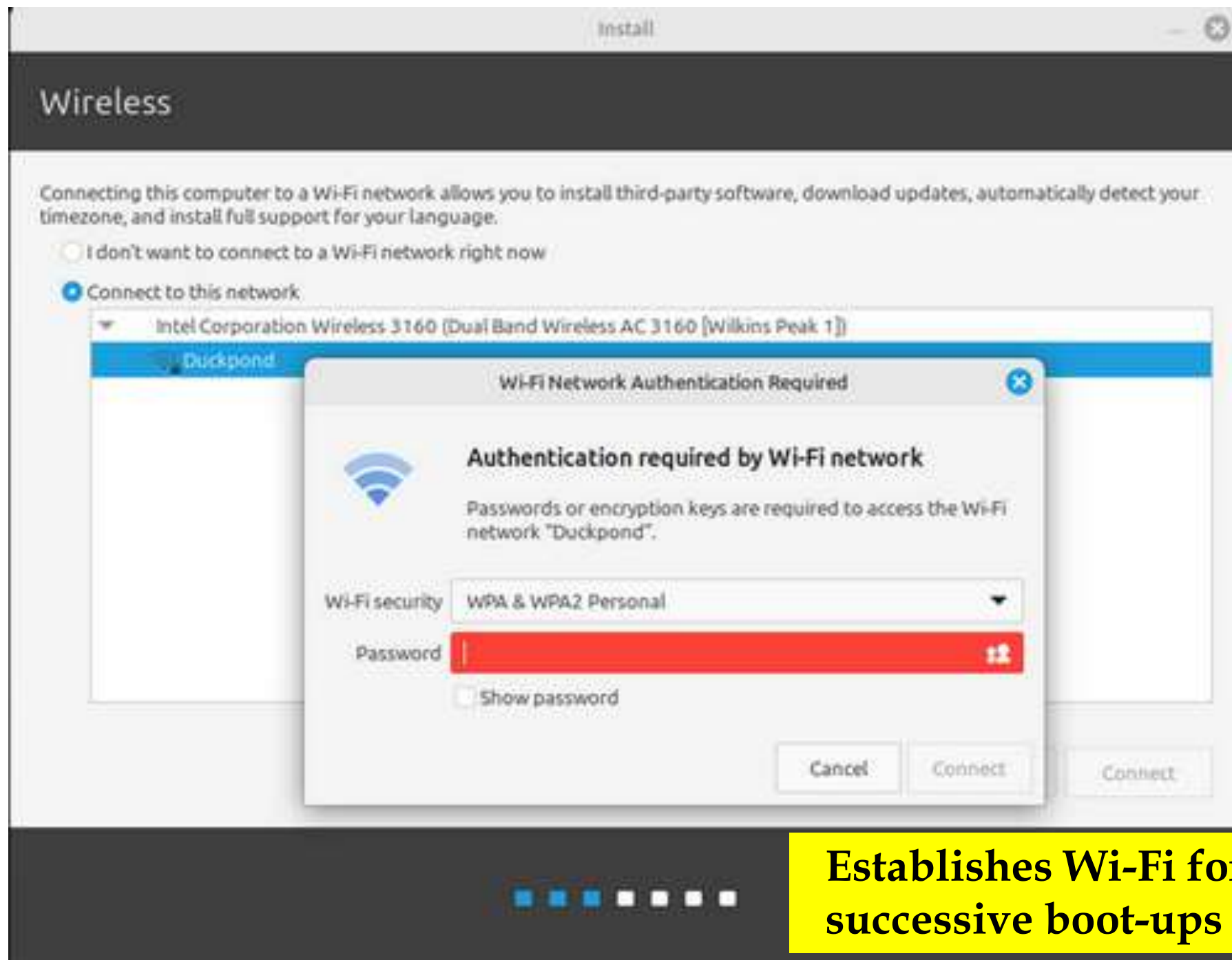
Installing Linux as a dual-boot system requires the creation of a separate disk partition to

Recent Posts

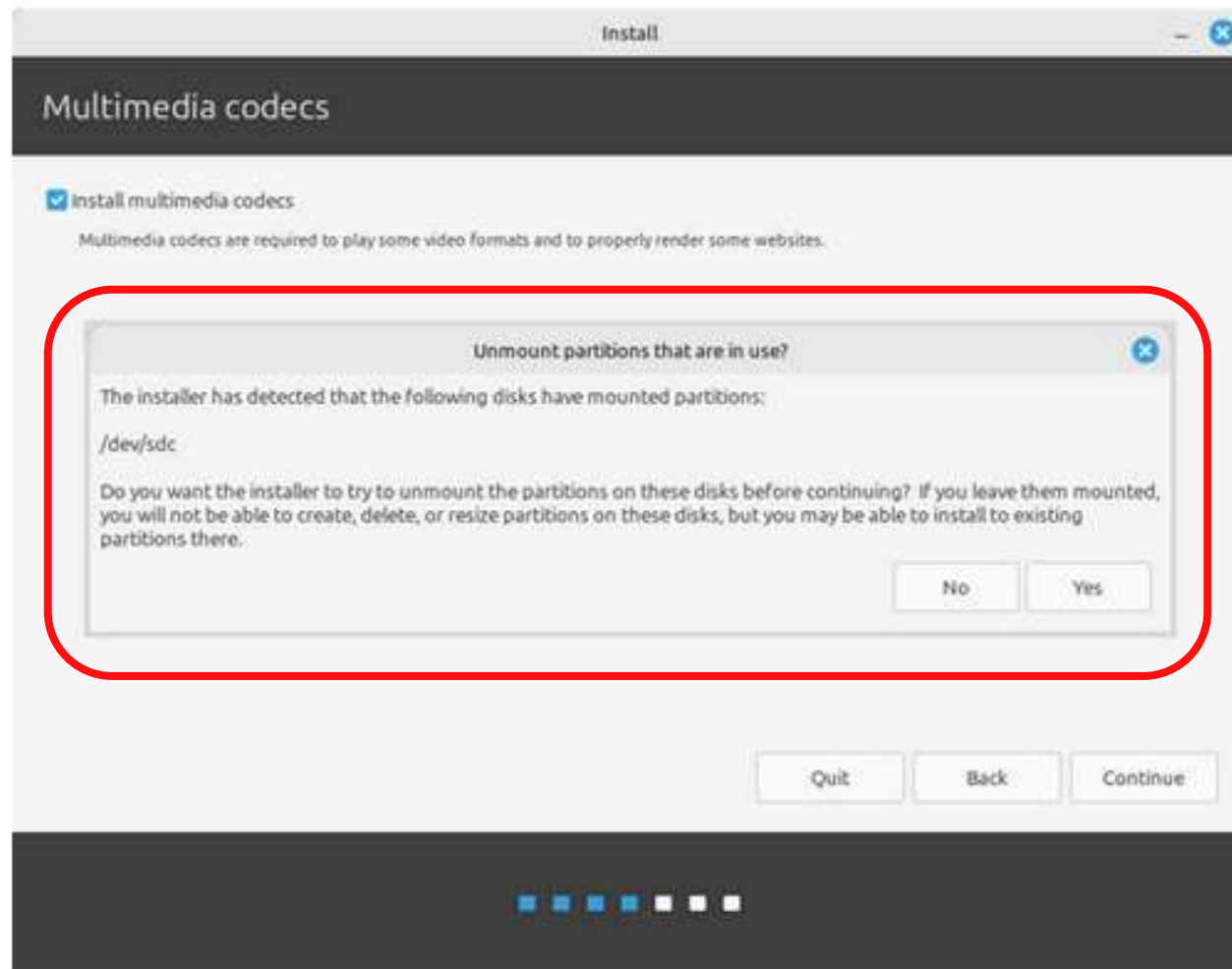
- [LibreOffice Writer Not Retaining the Last Cursor Position](#)
- [Deploying a Qt 6 Program in Linux and Windows](#)

<https://linuxnorth.wordpress.com/installing-linux-mint-as-a-dual-boot-system/>

- [Deprecation error for apt-key](#)
- [Multiple installed kernels in Linux Mint](#)
- [New Life for 32-bit Machines](#)
- [Opening Local HTML Files in Opera under Android 11](#)
- [Asus T100 Transformer – Back in \(the Linux\) Business!](#)
- [Happy 30th Birthday!](#)

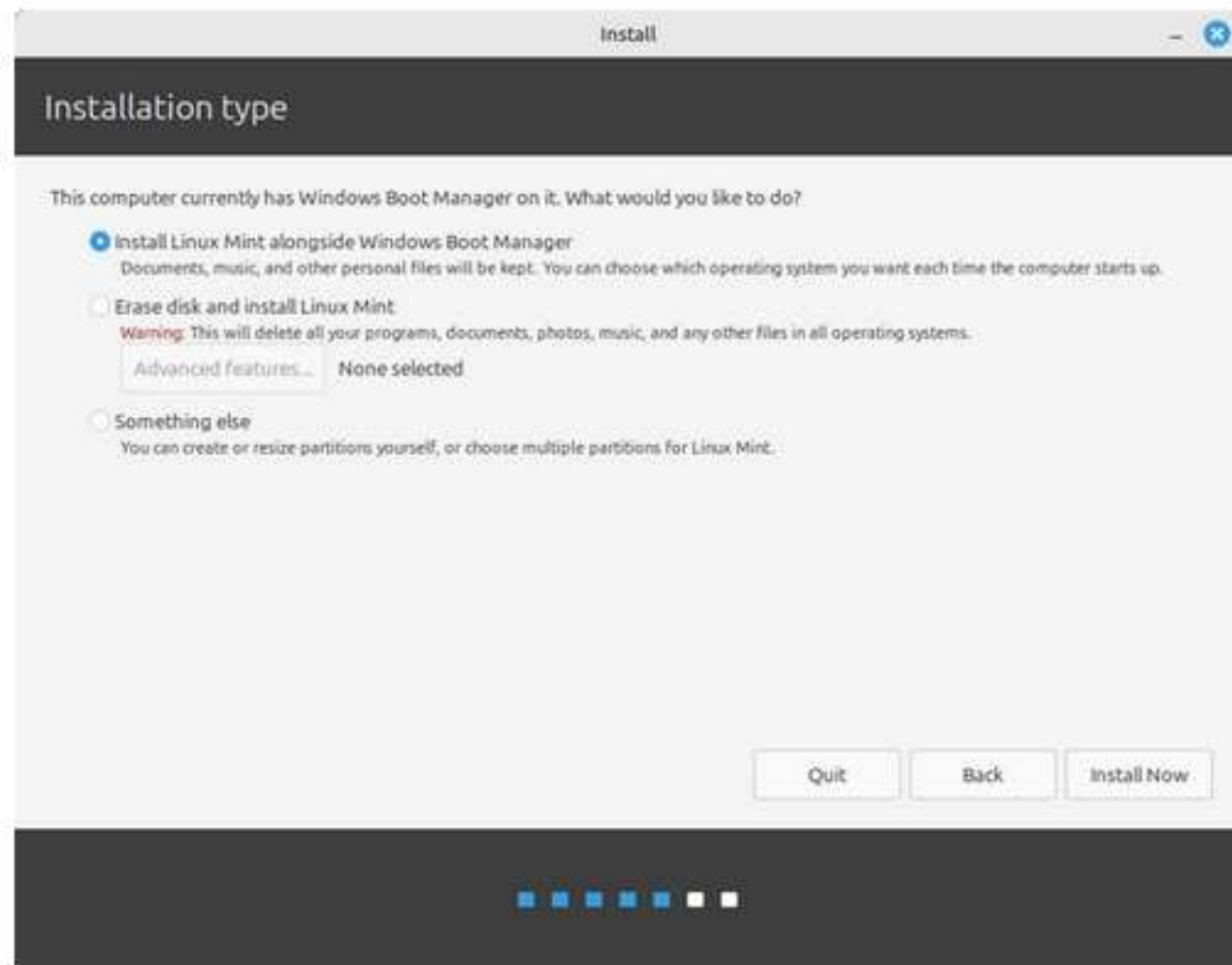


Establishes Wi-Fi for all successive boot-ups

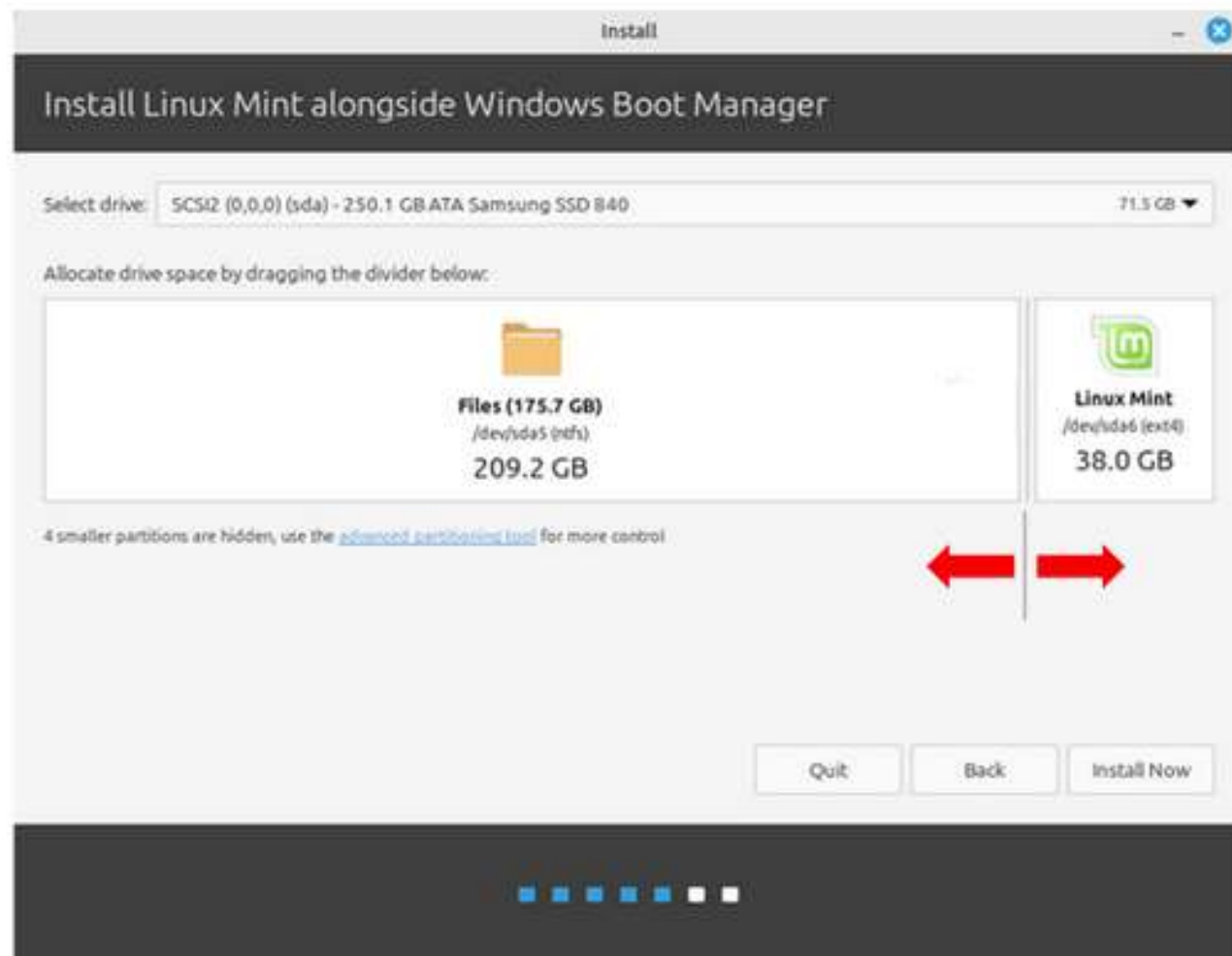


The displayed text is noting that, if the USB drive is left mounted we may be able to create additional partitions on the drive. Since we have no need to do this, the simple option is to press the Yes button and have the installer unmount the drive. The software required to complete the installation has already been read into memory so we have no need for the live-USB drive to remain mounted.

The next screen determines how Linux will be installed on our hard drive. The default entry is to *Install Linux Mint alongside Windows Boot Manager*. This is the option that we wish to use as it will automatically shrink the Windows partition, create a new partition in the free space, and install Linux in this new partition.



So, press the *Install Now* button. This will result in a new screen with a graphical representation of how the Windows and Linux disk partitions are going to be sized. The installer will make a choice of how to split the existing Windows partition but this may be changed by simply sliding the divider between the two partitions, to the left to create a larger Linux partition, or to the right to maintain more space for Windows.



Install

Where are you?



This establishes the time zone (EST)
(There is no entry for Ottawa)

Toronto

Back

Continue




Install

Who are you?

Your name: ✓

Your computer's name: ✓
The name it uses when it talks to other computers.

Pick a username: ✓

Choose a password:  Weak password

Confirm your password: ✓

☐ Log in automatically

☒ Require my password to log in

☐ Encrypt my home folder

Progress bar: 6 steps, 4th step highlighted

Anything can be entered (except that the username must begin with a lowercase letter)

Leave the login/encryption entries as the defaults

Installation Complete



Installation has finished. You can continue testing Linux Mint now, but until you restart the computer, any changes you make or documents you save will not be preserved.

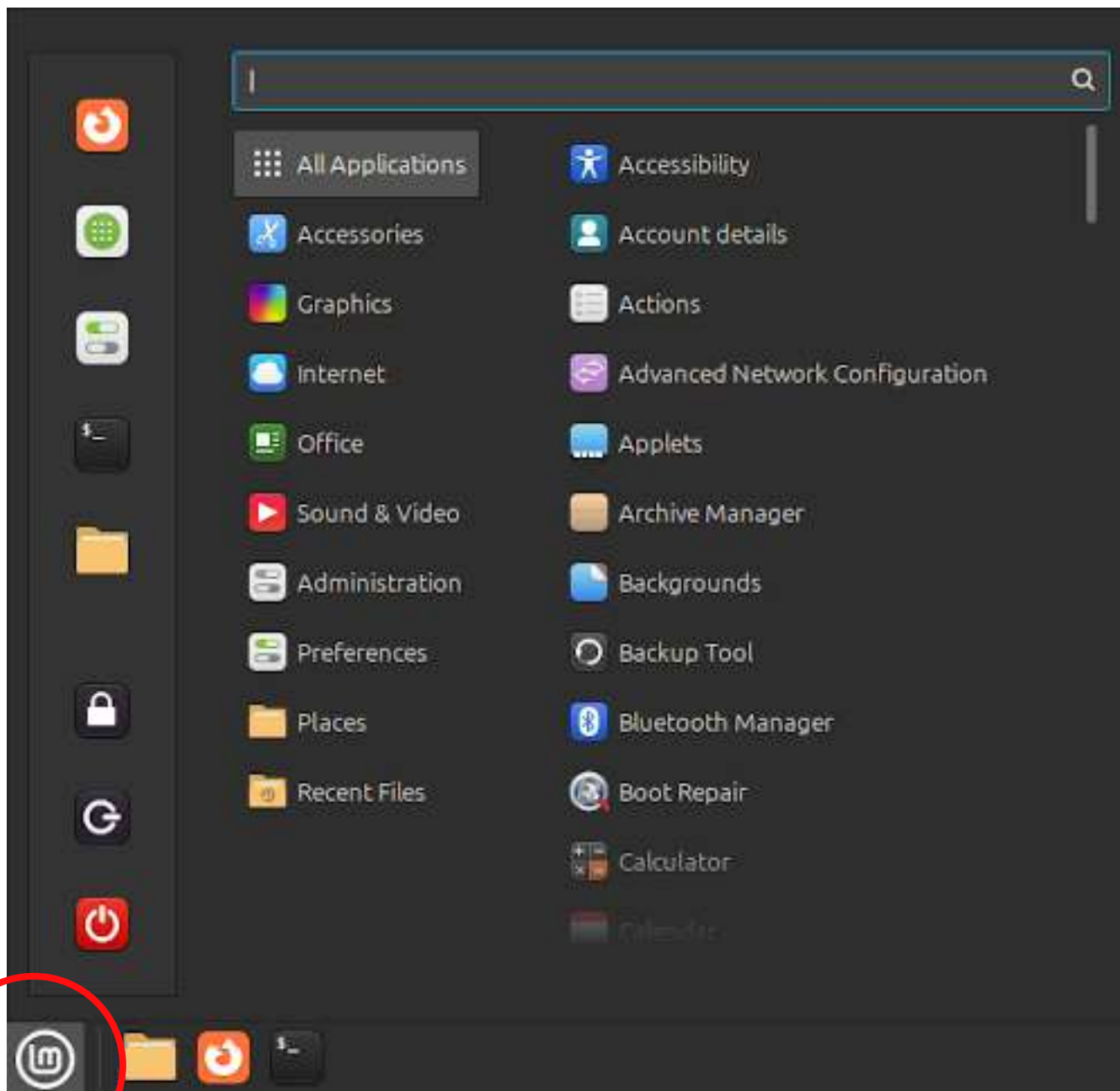
Continue Testing

Restart Now

GNU GRUB version 2.12

*Linux Mint 22 Cinnamon
Advanced options for Linux Mint 22 Cinnamon
Windows Boot Manager (on /dev/sda1)
UEFI Firmware Settings

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the select OS, 'e' to edit the commands
before booting or 'c' for a command-line.

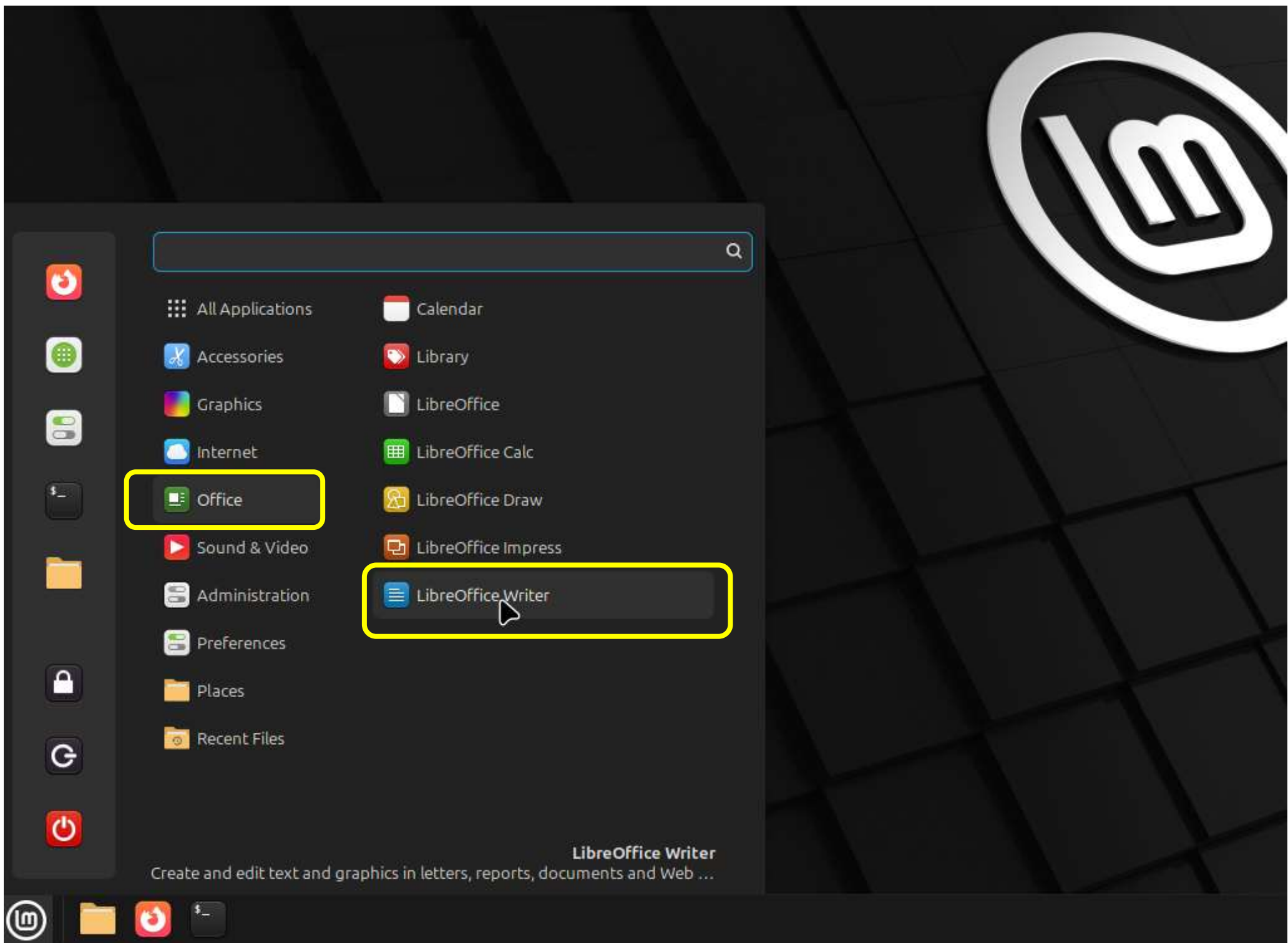


Main menu

Main Menu Categories

- Accessories
- Graphics
- Internet
- Office
- Sound & Video
- Administration
- Preferences
- Places
- Recent Files





64GBSDcard

Trash

Computer

Home

DeltaDisk

My Book04

Catfish

FreeFileSync

Screenshot

Text Editor

PDFsam

Writer

Calc

Okular

USBshare.docx — LibreOffice Writer

File Edit View Insert Format Styles Table Form Tools Window Help


Standard (WW) Times New Roman 10.5 pt

USB Drive Share via a Router

By Alan German

My Bell Giga Hub modem features two external USB ports so I wondered if I could use one of these to host a USB drive and make this available over the wireless network. Sure enough, information available on the Internet, including documentation from Bell, suggested that a connection should be made to the network path `\\mynetwork`. However, Windows returned an error indicating that this path was not accessible. A query to networking-guru Chris Taylor suggested that `\\192.168.2.1` was more likely to be successful and indeed this proved to be the case.

Furthermore, I subsequently discovered that a USB share using this path could be accessed from Windows, Linux and Android. Consequently, my home Wi-Fi now provides me with a micro-version of a network attached storage (NAS) system that I can access from any of my computers booted into either Linux or Windows, and from Android smartphones and tablets.



Find

Page 1 of 2 422 words, 2,701 characters Default Page Style English (Canada) 146%

HomeSite 4.0

KeePass2

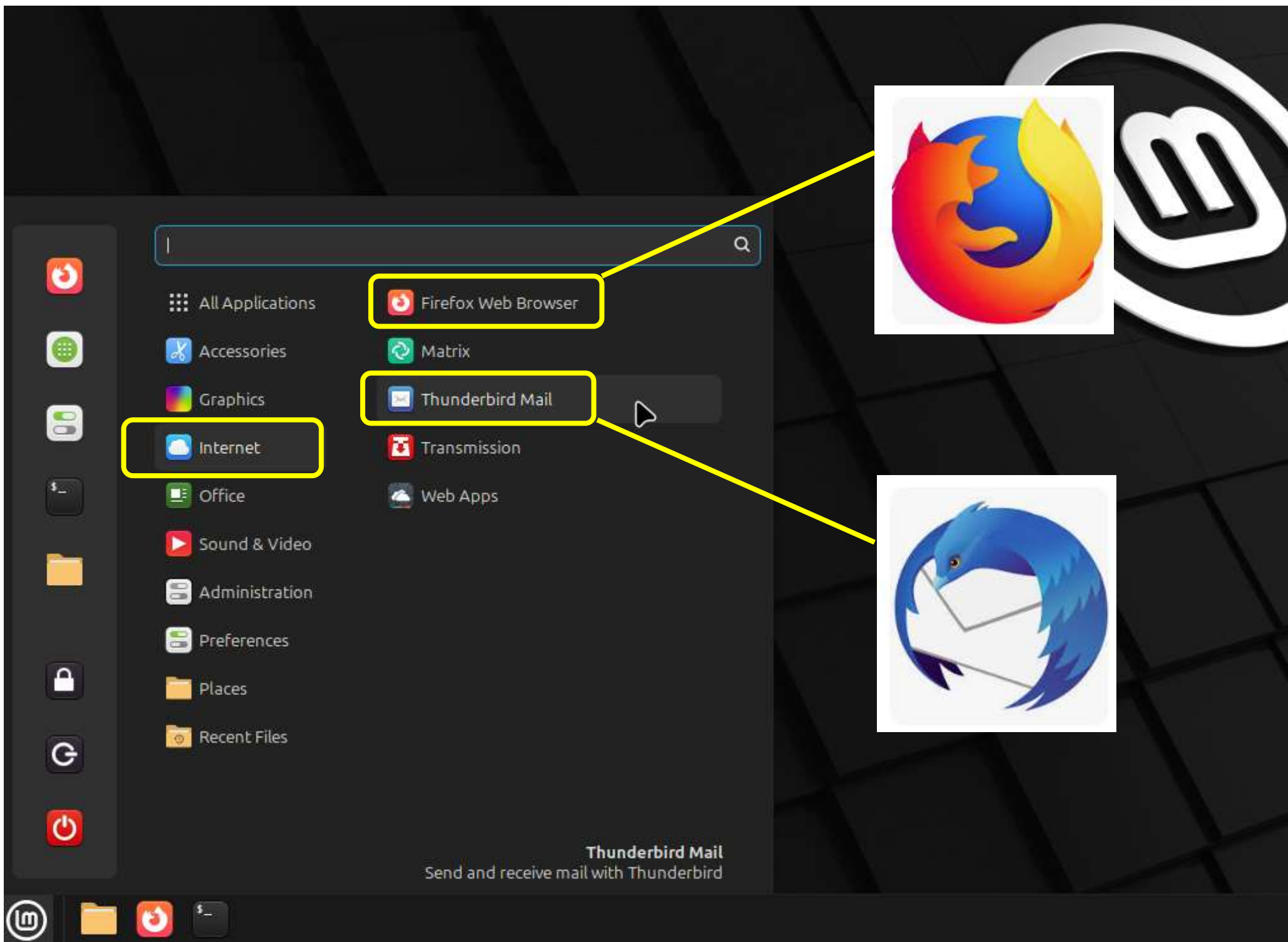
FileZilla

EJECT EjectUSB.sh

Restart

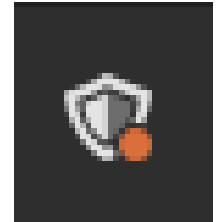
Shutdown

Tue 28 Jan 14:16



Update Manager

- An icon on the right-end of the panel indicates when updates are available
- Applying updates is under the control of the user (double-click on the icon)
- There are three categories of updates:
 - security patches (shield icon)
 - kernel updates (lightning bolt icon)
 - software updates (up-arrow icon)
- Recommendation is to apply all available updates



Update Manager

File Edit View Help



Clear



Select All



Refresh



Install Updates

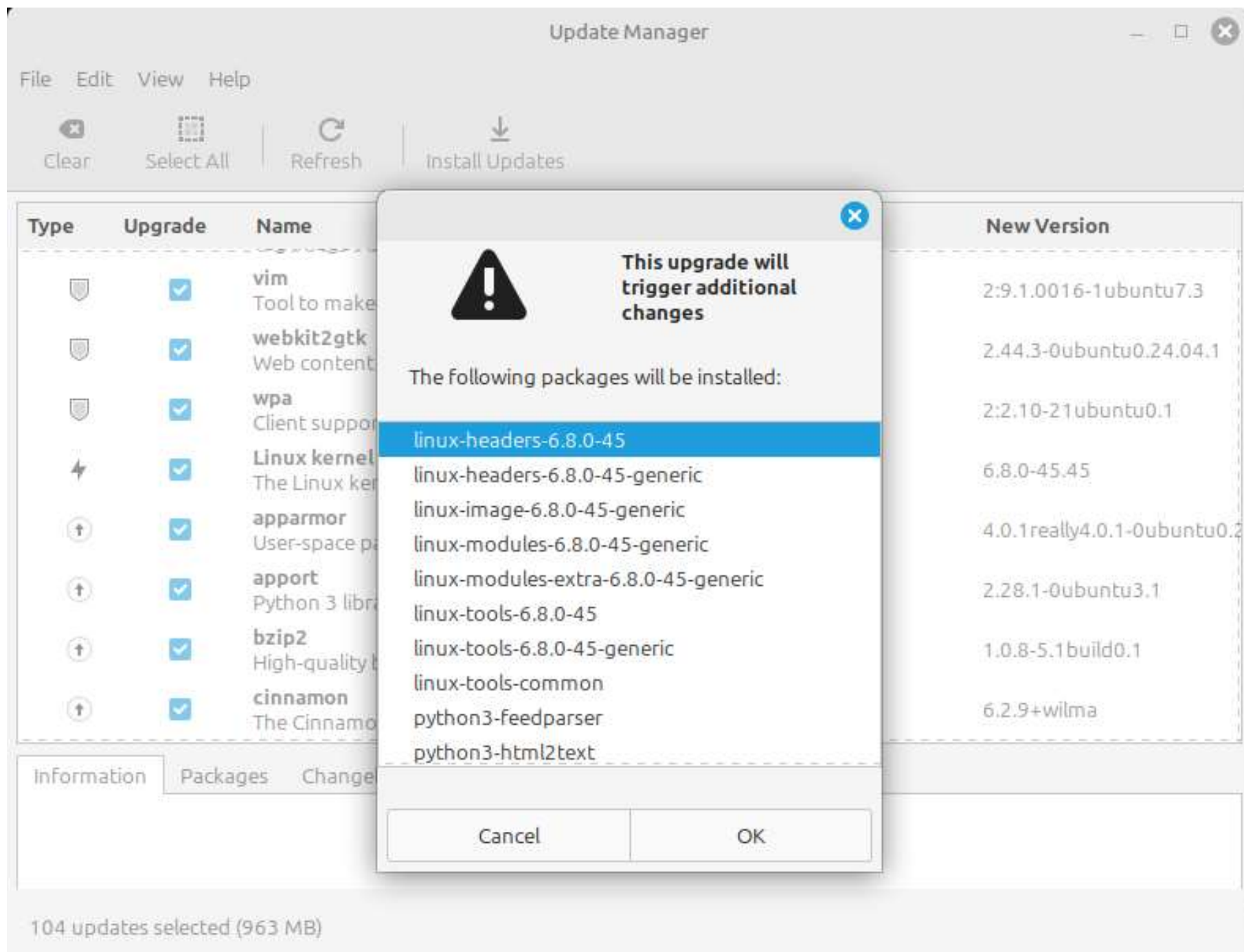
Type	Upgrade	Name	New Version
	<input checked="" type="checkbox"/>	vim Tool to make (or reverse) a hex dump	2:9.1.0016-1ubuntu7.3
	<input checked="" type="checkbox"/>	webkit2gtk Web content engine library for GTK	2.44.3-0ubuntu0.24.04.1
	<input checked="" type="checkbox"/>	wpa Client support for WPA and WPA2 (IEEE 802.11i)	2:2.10-21ubuntu0.1
	<input checked="" type="checkbox"/>	Linux kernel 6.8.0-45.45 The Linux kernel	6.8.0-45.45
	<input checked="" type="checkbox"/>	apparmor User-space parser utility for AppArmor	4.0.1really4.0.1-0ubuntu0.2
	<input checked="" type="checkbox"/>	apport Python 3 library for Apport crash report handling	2.28.1-0ubuntu3.1
	<input checked="" type="checkbox"/>	bzip2 High-quality block-sorting file compressor - utilities	1.0.8-5.1build0.1
	<input checked="" type="checkbox"/>	cinnamon The Cinnamon desktop environment	6.2.9+wilma

Information

Packages

Changelog



104 updates selected (963 MB)



Update Manager

File Edit View Help

Clear Select All Refresh Install Updates

Type	Upgrade	Name	New Version
	<input checked="" type="checkbox"/>	openssh Secure shell (SSH) client, for secure access to remote machines	1:9.6p1-3ubuntu13.5
	<input checked="" type="checkbox"/>	pipewire Audio and video processing engine multimedia server	1.0.5-1ubuntu2

Information Packages Changelog

2 updates, 3 MB

2 updates selected (3 MB)

Update Manager



File Edit View Help



Clear



Select All



Refresh



Install Updates

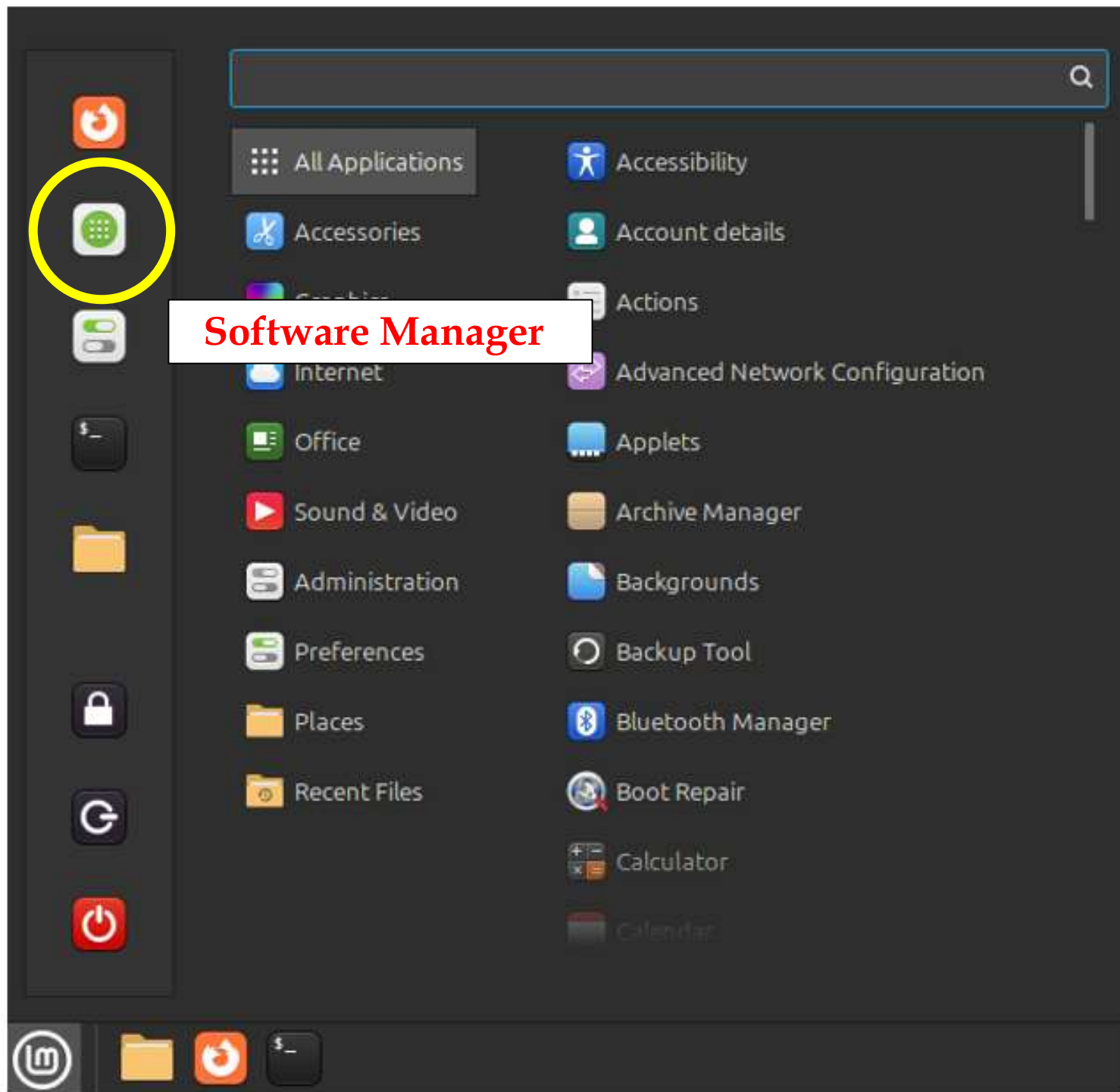


17 seconds !


Your system is up to date

Multiple Installation Methods

1. Software Manager
 - user-friendly interface, curated packages
 - **easiest when desired package is available**
2. Debian Software Package file (.deb)
 - special type of tar (archive) file
3. Terminal (Command line interface)
 - use commands from reliable source




Software Manager



Audacity

Fast, cross-platform audio editor


Featured




Sublime
Sublime Text is a sophisticated text edit...
4.1 ★




Bitwarden
A secure and free password manager fo...
Flathub 4.9 ★



Telegram Desktop
Fast. Secure. Powerful.
Flathub 3.9 ★




OBS Studio
Live stream and record videos
Flathub 4.3 ★




Whatsie
Qt Whatsapp Web Client for Linux Deskt...
Flathub 2.9 ★




VLC
Multimedia player and streamer
4.6 ★



Spotify
Spotify streaming music client
4.4 ★



Calibre
Powerful and easy to use e-book manager
4.5 ★



Virtualbox
X86 virtualization solution - Qt based us...
4.2 ★

Categories

 Accessories

 Fonts

 Games

 Graphics

 Internet

 Office

 Programming

 Science and Education

 Sound and video

 System tools

 Flatpak

 All Applications

Top Rated

Q

Software Manager



Audacity

Fast, cross-platform audio editor

Featured

**Sublime**

Sublime Text is a sophisticated text edit...

4.1 ★

**Bitwarden**

A secure and free password manager Fo...

Flathub 4.9 ★

**Telegram Desktop**

Fast. Secure. Powerful.

Flathub 3.9 ★

**OBS Studio**

Live stream and record videos

Flathub 4.3 ★

**Whatsie**

Qt Whatsapp Web Client for Linux Desk...

Flathub 2.9 ★

**VLC**

Multimedia player and streamer

4.6 ★

**Spotify**

Spotify streaming music client

4.4 ★

**Calibre**

Powerful and easy to use e-book manager

4.5 ★

**Virtualbox**

X86 virtualization solution - Qt based us...

4.2 ★

Categories

 Accessories

 Fonts

 Games

 Graphics

 Internet

 Office

 Programming

 Science and Education

 Sound and video

 System tools

 Flatpak

 All Applications

Top Rated

Search

vlc

Software Manager

Install


System Package

VLC

Multimedia player and streamer

Life on Our Planet S01E01 - VLC media player

Media Playback Audio Video Subtitle Tools View Help



15:44 20:51

Details:

Reviews

Name: **vlc**

Version: 3.0.20-3build6

Size: to download, 69 MB of disk space required

[Homepage](#)

★★★★★ 4.6

1700 Reviews

★★★★★ 1318

★★★★ 241

★★★ 87

★★ 31

★ 23


⏪

🔍 vlc

✕


📄

Software Manager

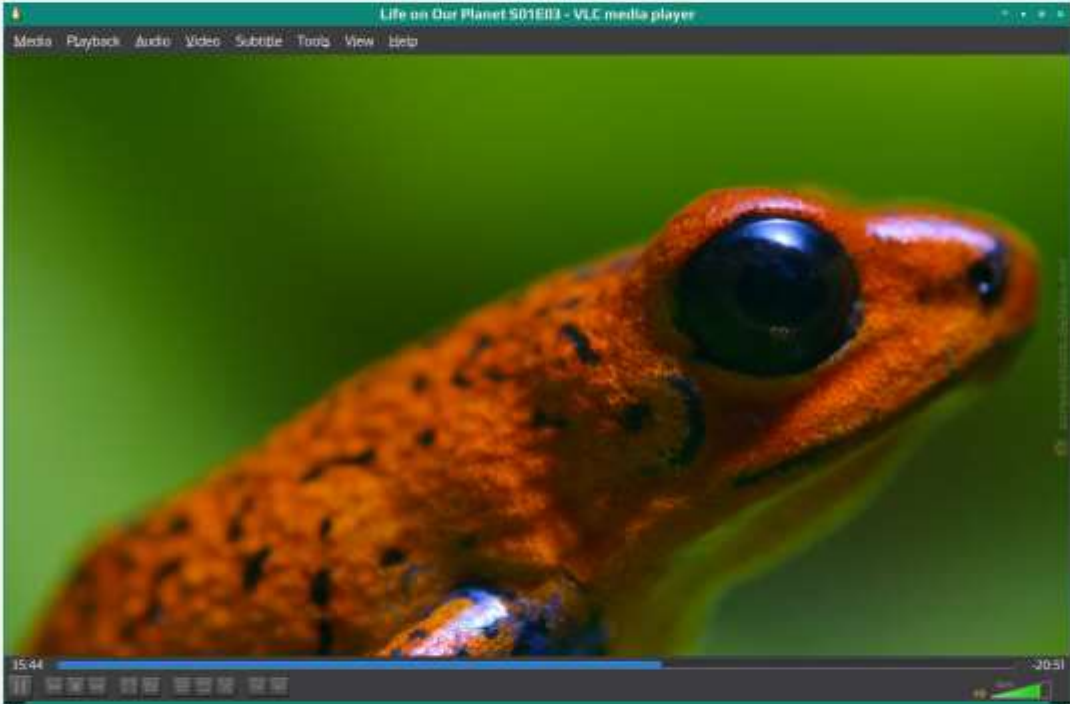


VLC
Multimedia player and streamer

Install

 System Package

⏪



⏩

Details:


Reviews

Name: **vlc**

Version: 3.0.20-3build6

Size: to download, 69 MB of disk space required

[Homepage](#)

 **4.6**

1700 Reviews

1318

241

87

**

31

*

23


⏪

🔍 vlc

✕

📄


Software Manager



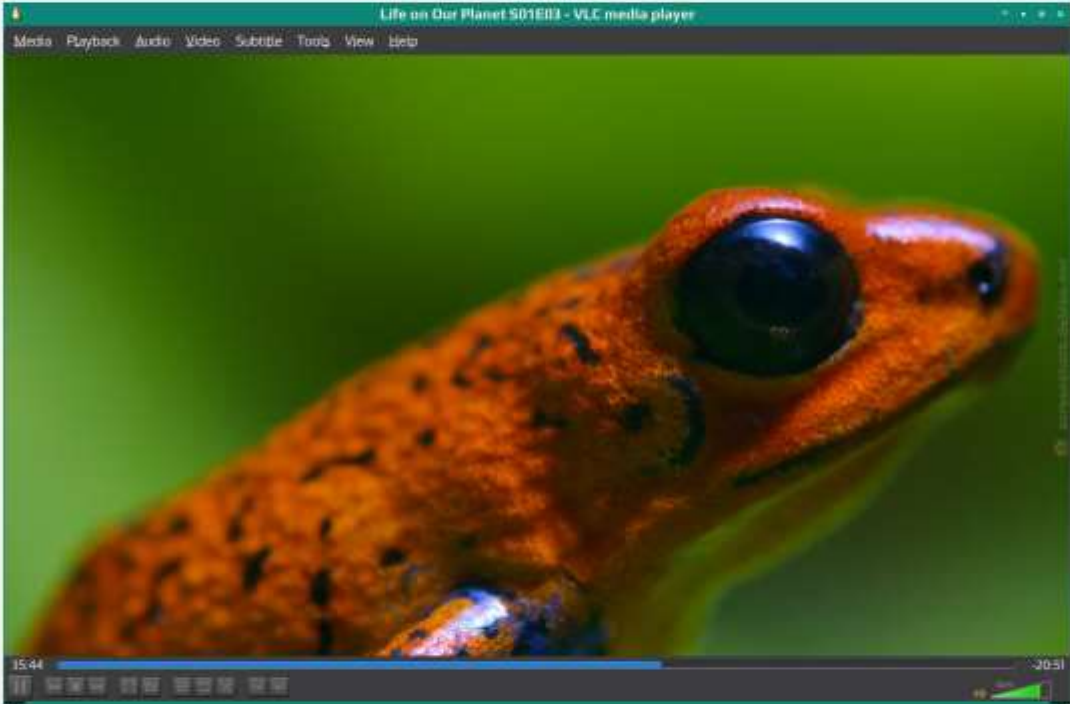
VLC
Multimedia player and streamer

Launch

Remove

 System Package

⏪



Life on Our Planet S01E01 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

15:44 20:51

⏩

Details:


Reviews

Name: **vlc**

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[Homepage](#)

 **4.6**

1700 Reviews

1318

241

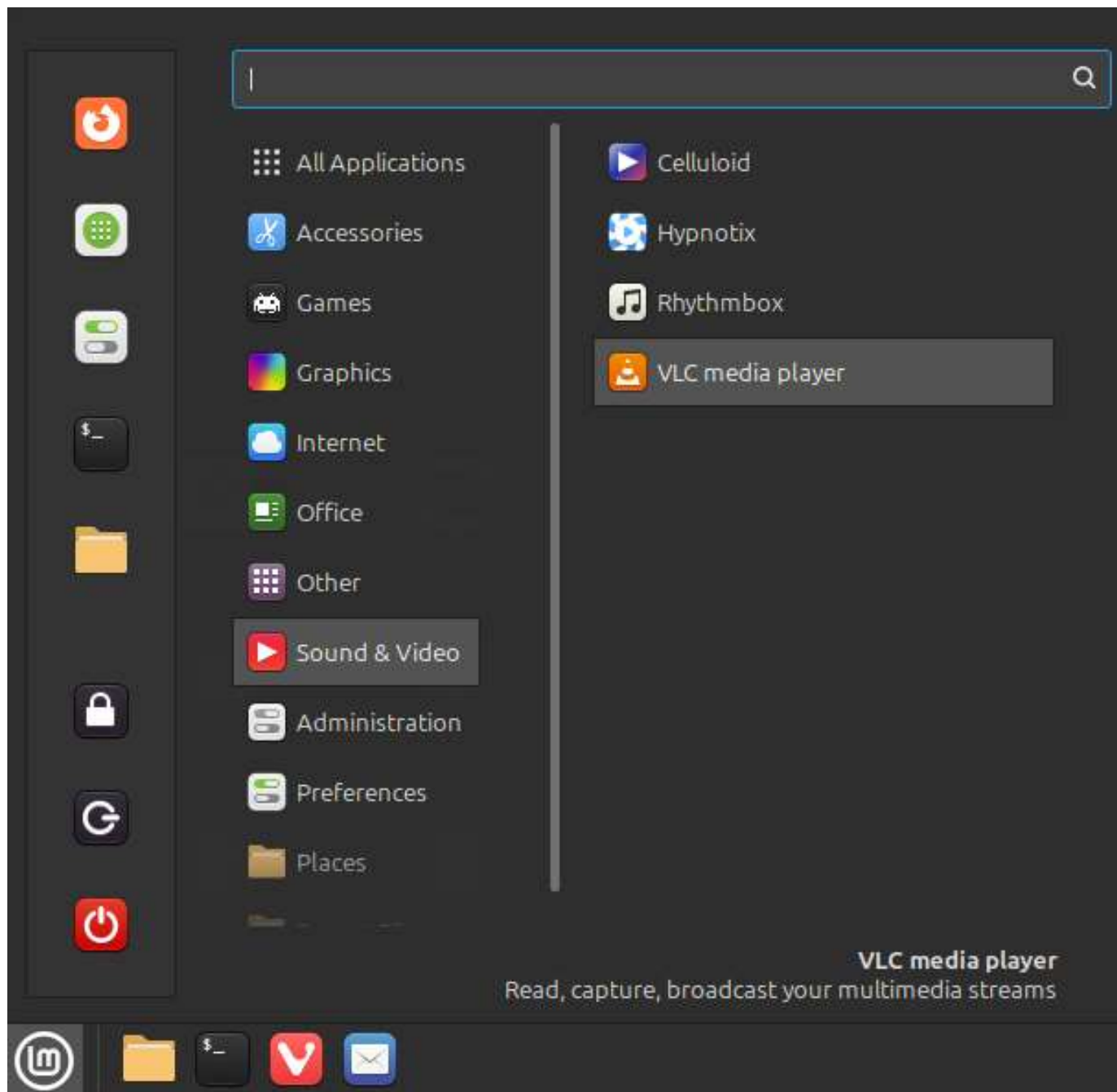
87

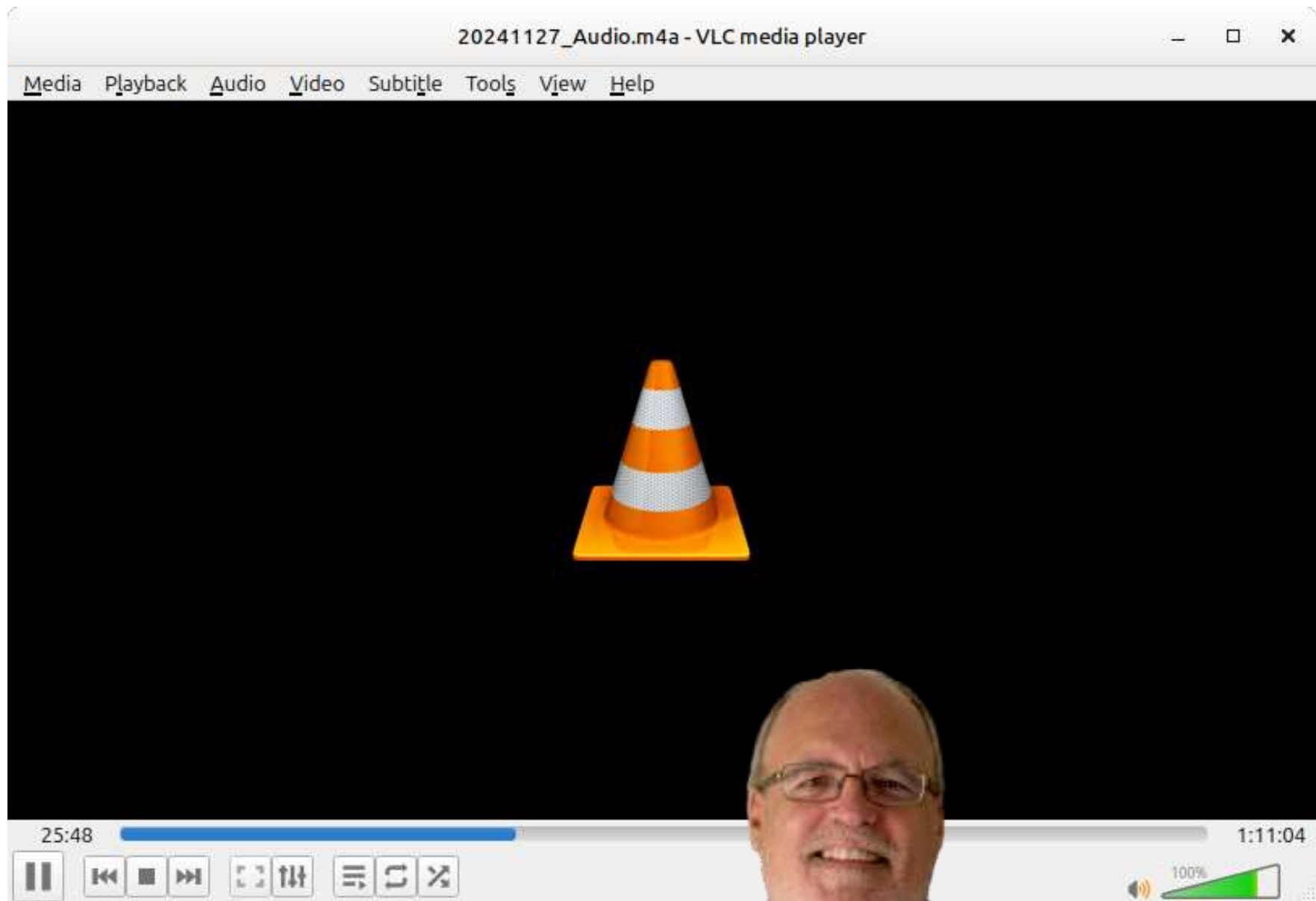
**

31

*

23

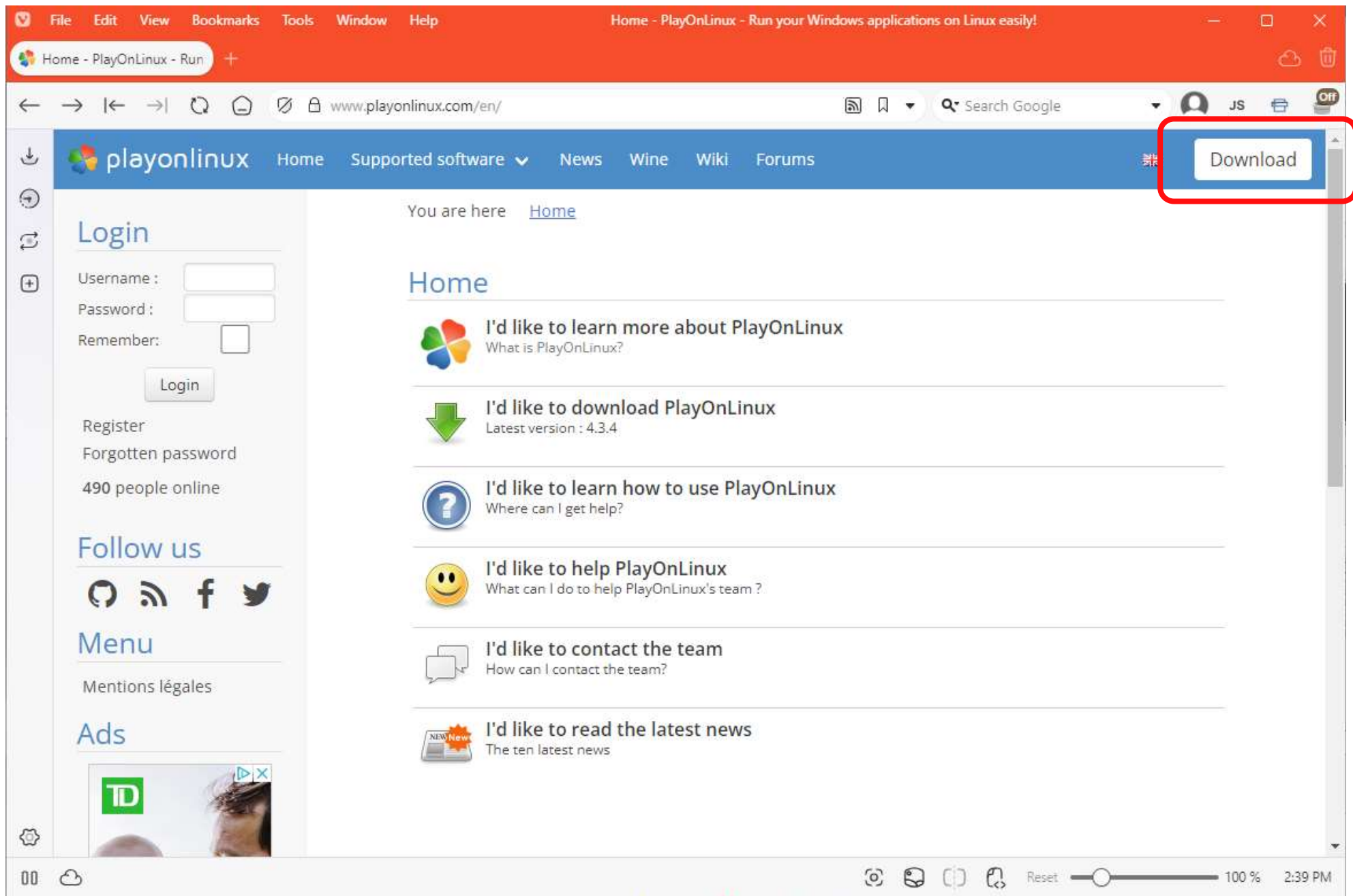




WINE – **W**I**n**e is **N**ot an **E**mulator

- Windows has a proprietary set of system calls, library functions, etc.
- WINE acts as a compatibility “layer”
- Linux developers have reverse-engineered calls to Windows API's
- WINE intercepts Windows calls and translates them to Linux (POSIX) equivalents





<https://www.playonlinux.com/en/>

PlayOnLinux install menu



Patches:diant

Office

Include: ☒ Testing ☐ No-cd needed ☒ Commercial ★★

- LibreOffice 4
- LibreOffice 5
- Microsoft Office 2000
- Microsoft Office 2003
- Microsoft Office 2007
- Microsoft Office 2010 Activation
- Microsoft Office 2010
- Microsoft Office 2013
- Microsoft Office 2016 (method B)
- Microsoft Office 2016

No description



Install a non-listed program

Refresh

Cancel

Install

PlayOnLinux

File Display Tools Settings Plugins Support Help



Run



Close



Install



Remove



Configure



Actions

PlayOnLinu

+ [Install a program](#)

≡ [Settings](#)

Microsoft Office Professional Plus 2010



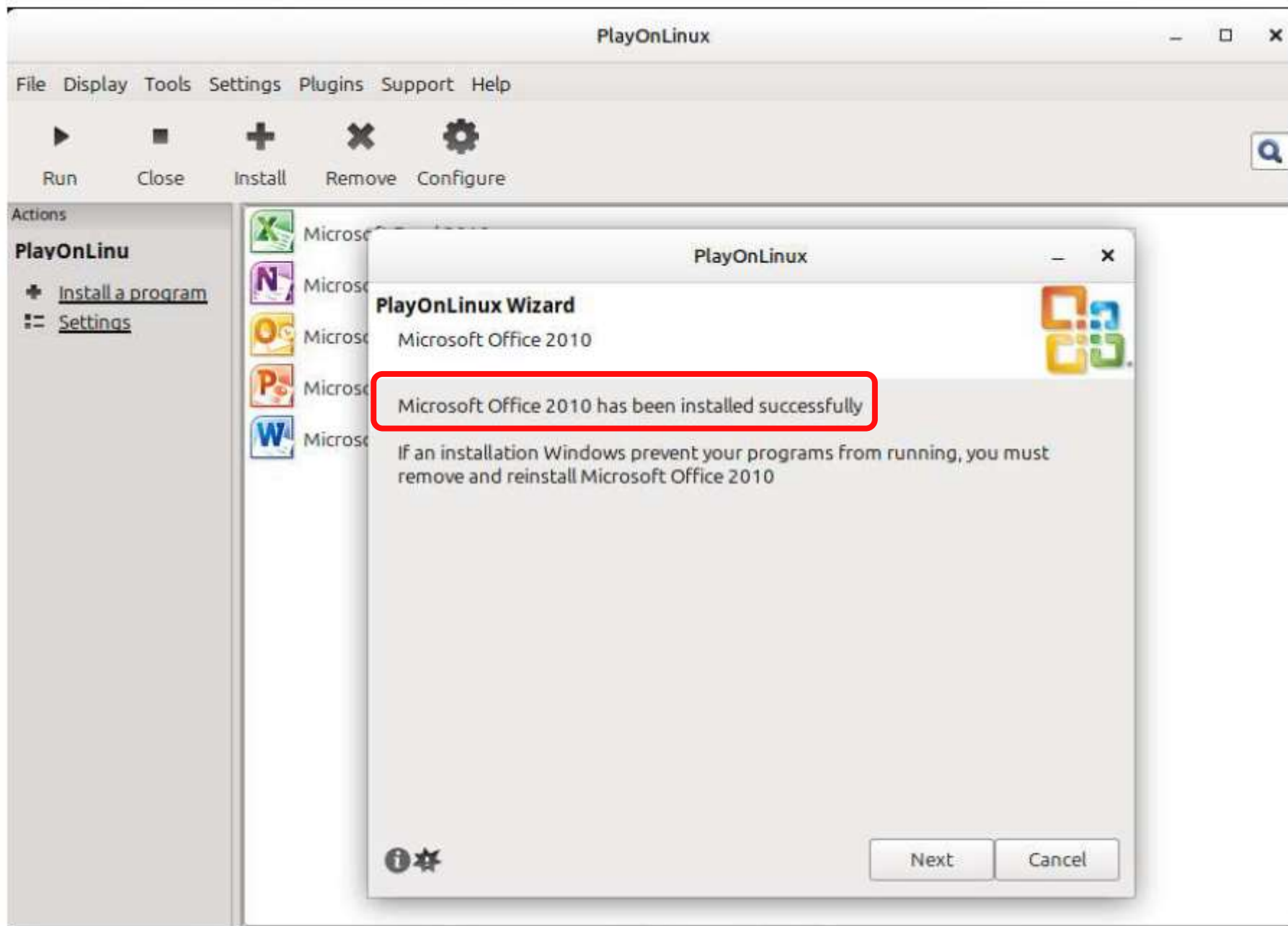
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64GBSDcard



DataDisk



KINGSTON



Screenshot



FreeFileSync



Okular



Text Editor



Writer



Calc



Microsoft
OneNote 2010



Microsoft Outlook
2010



Microsoft Word
2010

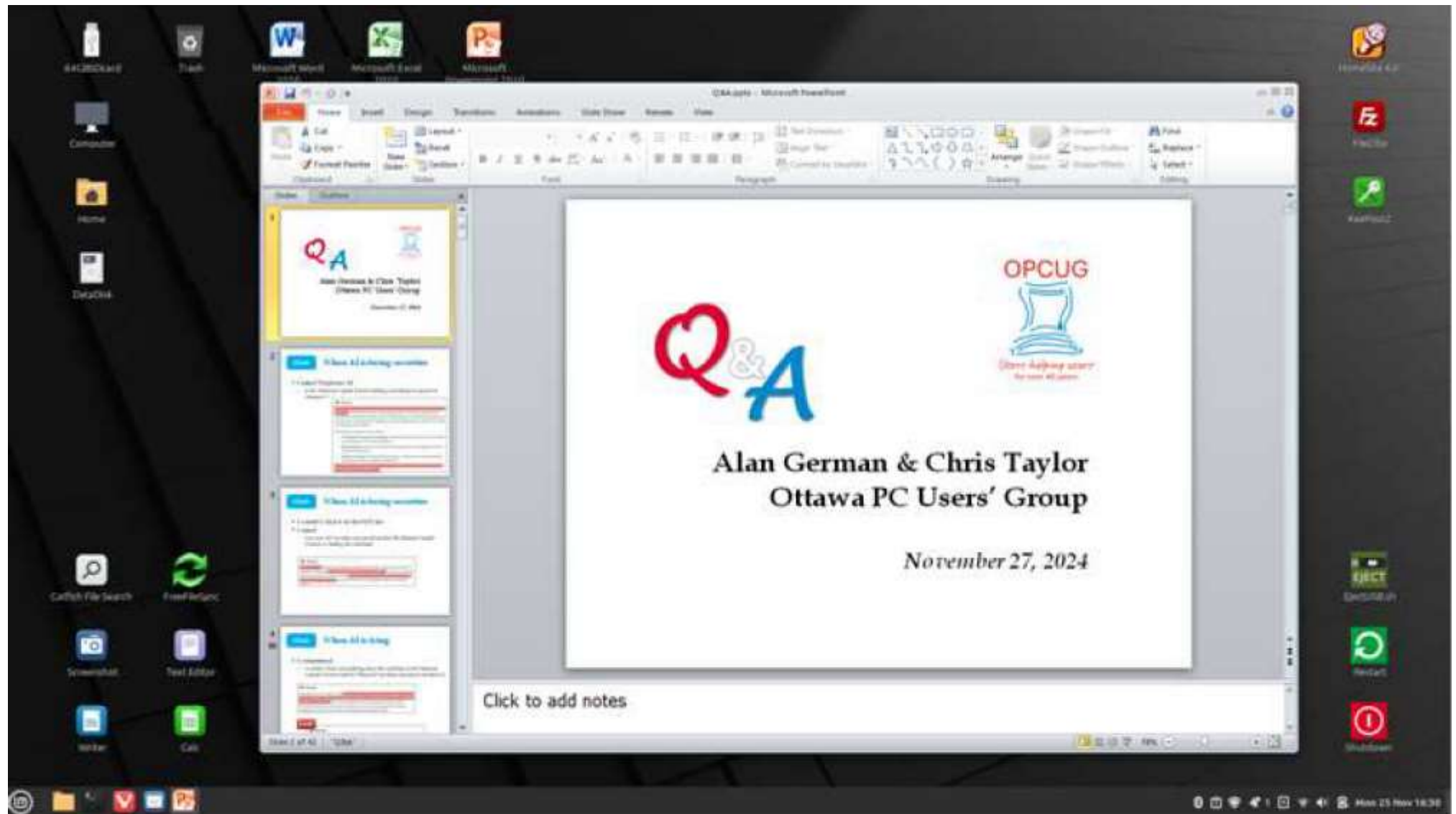


Microsoft Excel
2010



Microsoft
Powerpoint 2010





Summary

- Windows 10 End-of-Life October 14, 2025
- Security updates as usual until then
- Options at (or before) EOL:
 - Update to Windows 11 (if possible)
 - Keep using Windows 10
 - Purchase extended support from Microsoft
 - Purchase third-party extended support
 - Buy a new computer with Windows 11
 - Trade up to Linux





Any Questions