

# USING A HEWLETT PACKARD "STREAM 11" LAPTOP AND OTHER LOW-COST "WINDOWS.." COMPUTERS

by Francis Chao

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# SUMMARY

The Hewlett Packard "Stream 11" laptop brings "Windows.." computers to the \$200 price point for the first time. Here is some detailed advice on how to successfully use this very modest computer and others like it.

# TOPICS

- Manufacturer's specifications and retail availability for the HP "Stream 11" laptop
- Prior to buying a HP "Stream" laptop, consider simulating it in a "virtual machine" in an existing computer

# TOPICS (continued)

- For initial Internet access, you can use free public WiFi
- Delete unneeded Hewlett Packard software in order to free up some hard drive space
- Delete bundled trialware to free up some hard drive space.

# TOPICS (continued)

- Install the bundled 12-month copy of "Office 365 Personal"
- You might need to procure a USB-to-Ethernet adapter

# TOPICS (continued)

- Front-facing camera (only)
- "Combo" jack for a headset or external speakers
- RAM management precautions
- Hard drive management options
- Using free dial-up Internet if you purchase a USB data/fax modem AND have a landline telephone line

# TOPICS (continued)

- Fixing the broken fax function of "Windows 8.1"
- Download our free "Care Package" of shortcuts to make "Windows 8.1" easier to use
- Some simple tweaks to make "Windows 8.1" easier to use



**MANUFACTURER'S  
SPECIFICATIONS AND  
RETAIL AVAILABILITY OF  
THE HP "STREAM 11"  
LAPTOP:**

# MANUFACTURER'S SPECIFICATIONS AND RETAIL AVAILABILITY..

- Use

# MANUFACTURER'S SPECIFICATIONS AND RETAIL AVAILABILITY.. (continued)

- D



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5



# HP Stream - 11-d010nr Laptop

[See all offers](#)

- Windows 8.1 64 with Bing
- Intel® Celeron® N2840 with Intel HD Graphics (2.16 GHz, up to 2.58 GHz, 1 MB cache, 2 cores)
- 2 GB 1333 MHz DDR3 SDRAM (1 x 2 GB)
- 11.6" diagonal HD anti-glare WLED-backlit (1366 x 768)

[See all Specs](#)

\$199.99

Add To Cart



Feedback?



# HP Stream - 11-d010nr Laptop

[See all offers](#)

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11.6" diagonal HD anti-glare WLED-backlit  
(1366 x 768)

Hard drive

32 GB eMMC



32 GB eMMC

# MANUFACTURER'S SPECIFICATIONS AND RETAIL AVAILABILITY.. (continued)

- For details about "eMMC", see <http://www.howtogeek.com/196541/emmc-vs.-ssd-not-all-solid-state-storage-is-equal/>

Wireless

802.11b/g/n (1x1); Bluetooth®

Power supply

45 W AC power adapter

Battery

3-cell

37 Wh Li-ion polymer

Battery life

Up to 8 hours and 15 minutes

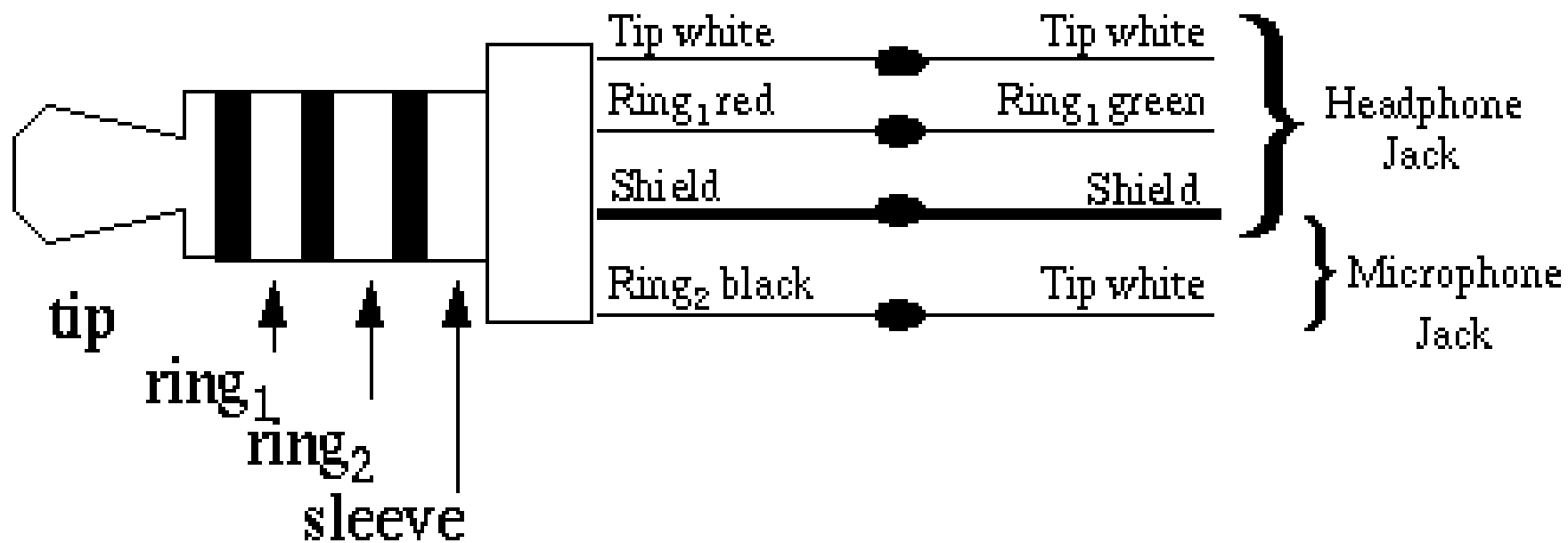
# MANUFACTURER'S SPECIFICATIONS AND RETAIL AVAILABILITY.. (continued)

- Battery cannot be replaced by the end-user of the computer.

## Ports

1 USB 3.0; 1 USB 2.0; 1 HDMI; 1  
headphone/microphone combo





Expansion slots

1 multi-format SD media card reader

Webcam

HP TrueVision HD Webcam (front-facing) with integrated digital microphone

Dimensions

11.81 x 8.1 x 0.78 in

Weight

2.74 lbs

# MANUFACTURER'S SPECIFICATIONS AND RETAIL AVAILABILITY.. (continued)

- The User's Manual is available at

[http://h10032.www1.hp.com/ctg/  
Manual/c04489612.pdf](http://h10032.www1.hp.com/ctg/Manual/c04489612.pdf)

USING PUBLISHED  
REVIEWS AND USERS'  
COMMENTS FOR FINE-  
TUNING THE SIMULATION  
OF THE TARGET  
COMPUTER MODEL:

# USING PUBLISHED REVIEWS AND USERS COMMENTS ..

- Using published reviews and users' comments, you can determine specifications that the computer manufacturer does not publish on their Web site:

# USING PUBLISHED REVIEWS AND USERS COMMENTS .. (continued)

- Size of the C: hard drive partition and the "Restore" partition
- Processor Benchmarks
- Bundled software and drivers



DETERMINE THE SIZE OF  
THE C: DRIVE PARTITION  
AND THE "RESTORE"  
PARTITION

# DETERMINE THE SIZE OF THE C: DRIVE PARTITION AND THE RESTORE PARTITION

- 21.5 Gigabyte C: hard drive partition  
and a  
8 Gigabyte "Restore"  
partition  
according to:

# DETERMINE THE SIZE OF THE C: DRIVE PARTITION AND THE RESTORE PARTITION (continued)

- <http://www.pcworld.in/how2s/hands-hps-stream-11-200-windows-laptop-wants-kill-chromebooks>
- <http://www.amazon.com/review/R28HR668I6LU8Y>

# DETERMINE THE SIZE OF THE C: DRIVE PARTITION AND THE RESTORE PARTITION (continued)

- <http://www.zdnet.com/what-can-you-expect-from-a-199-pc-more-than-you-might-expect-7000035888/>

# DETERMINE BUNDLED SOFTWARE AND DRIVERS

# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- Bundled with a 12-month subscription to Microsoft "Office 365 Personal" which is, in turn, bundled with a 1-Terabyte cloud storage allotment at any existing or new "OneDrive" account.

# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- Microsoft is in the process of converting the OneDrive space allotment that is bundled with "Office 365.." to "unlimited"

according

<https://blog.onedrive.com/office-365-onedrive-unlimited-storage/>

# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- "Office 365.." is NOT pre-installed into the HP "Stream 11" laptop. After you download it into the laptop, it will take up approximately 2.6 Gigabytes of space on the C: hard drive partition.



# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- If you activate the "OneDrive" Windows Store app with an existing "Microsoft account" that already has files and folders stored up at "OneDrive", it will immediately "synchronize" your "OneDrive" folder on the local C: hard drive partition.

# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- If you activate the "OneDrive" Windows Store app, it with an existing "Microsoft account" that already has files and folders stored up at "OneDrive", it is best to immediately halt the synchronization process:

Windows 8.1 Enterprise Evaluation  
Windows License valid for 85 days  
Build 9600



8:36 PM

12/2/2014

Open OneDrive in File Explorer

Go to the OneDrive website

View sync problems

Sync

Pause syncing

OneDrive storage

Settings

Help

ram Files

12/2/2014

# DETERMINE BUNDLED SOFTWARE AND DRIVERS (continued)

- According to [http://h10025.www1.hp.com/ewfrf/wc/softwareCategory?os=4158&lc=en&cc=us&dlc=en&sw\\_lang=&product=7538970](http://h10025.www1.hp.com/ewfrf/wc/softwareCategory?os=4158&lc=en&cc=us&dlc=en&sw_lang=&product=7538970)



## **Driver - Audio** (1)

### Realtek High-Definition (HD) Audio Driver

2014-10-17 , Version 6.0.1.7339 A, 225.45M

This package provides the driver for the Realtek High-Definition (HD) Audio in supported notebook models that are running a supported operating system. ([More details](#))

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## **Driver - Chipset** (5)

### Intel Chipset Installation Utility and Driver

2014-10-17 , Version 9.4.4.1006 A, 6.23M

This package contains the Intel Chipset Installation Utility and Driver for supported notebook models and operating systems. This utility enables the operating system to show the correct name for the ... [\(More details\)](#)

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## Intel Dynamic Platform and Thermal Framework Driver

2014-10-17 , Version 7.10.0.2210 A, 6.89M

This package contains the driver that enables the Intel Dynamic Platform and Thermal Framework firmware. Intel Dynamic Platform and Thermal Framework provide system temperature and power utilization ... ([More details](#))

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## Intel Dynamic Platform and Thermal Framework Driver

2014-10-17 , Version 7.10.0.2210 A, 6.89M

This package contains the driver that enables the Intel Dynamic Platform and Thermal Framework firmware. Intel Dynamic Platform and Thermal Framework provide system temperature and power utilization ... ([More details](#))

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## Intel Serial IO Driver without Connected Standby Support

2014-10-17 , Version603.9600.1948.29470 A, 1.58M

This package contains the Intel Serial IO Driver without Connected Standby Support. This package installs the Intel General-Purpose Input/Output (GPIO) host controller driver and the Intel ... [\(More details\)](#)

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## Intel Sideband Fabric Device Driver

2014-10-17 , Version 1.70.305.16316 A, 1.37M

This package provides the driver that enables the Intel Sideband Fabric device. Intel Sideband Fabric Device Driver is a bridge to the Intel Dynamic Platform and Thermal Framework. This package is ... ([More details](#))

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## Intel Trusted Execution Engine Interface Driver

2014-10-17 , Version 1.1.0.1064 A, 34.7M

This package provides the Intel Trusted Execution Engine Interface (TXE) Driver for the supported notebook models running a supported operating system. The Intel Trusted Execution Engine Interface ... ([More details](#))

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[-] **Driver - Graphics** (1)

**Intel High-Definition (HD) Graphics Driver**

2014-10-17 , Version 10.18.10.3925 A, 123.34M

This package provides the driver that enables the Intel High-Definition (HD) Graphics in supported notebook models that are running a supported operating system. If high-definition multimedia ... [\(More details\)](#)

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## [-] Driver - Keyboard, Mouse and Input Devices (1)

### Synaptics Touchpad Driver

2014-10-17 , Version18.1.29.0 A, 77.68M

This package provides the driver that enables the Synaptics TouchPad in supported notebook models that are running a supported operating system. The driver enables general touchpad functionality (for ... [\(More details\)](#))

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[-] **Driver - Network** (4)

**Realtek RTL8723BE/RTL8188EE 802.11b/g/n Wireless LAN Drivers**

2014-10-23 , Version 2013.8.915.2014 A, 30.57M

This package contains the driver installation package for the Realtek RTL8723BE/RTL8188EE wireless LAN Controller in the supported notebook models running a supported operating system. ([More details](#))

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## Broadcom 802.11b/g/n Wireless LAN Driver

2014-08-28 , Version 6.223.215.14 A, 36.25M

The package contains Broadcom Wireless LAN driver. It is required to enable integrated Broadcom Wireless LAN adapter. ([More details](#))

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## Broadcom Bluetooth Driver

2014-08-22 , Version 12.0.0.9840 A, 22.15M

This package contains the Broadcom Bluetooth driver for supported notebook models that are running a supported operating system. Broadcom Bluetooth Driver is required to enable Broadcom Bluetooth ... ([More details](#))

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## HP hs3110/hs3114 Mobile Broadband Drivers

2014-04-28 , Version 12.1803.2.4 A, 37.82M

This package provides the device drivers for the HP hs3110/hs3114 HSPA+ Mobile Broadband modules in supported notebook models running a supported operating system. ([More details](#))

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## [-] Driver - Storage (1)

### Realtek Card Reader Driver

2014-10-17 , Version 6.3.9600.30176 A, 8.83M

This package contains the driver that enables the Realtek Card Reader in supported notebook models that are running a supported operating system. The card reader enables users to read from or write to ... ([More details](#))

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[-] **Software - Solutions** (1)

## HP System Event Utility

2014-10-09 , Version 1.20 C, 2.8M

This package contains the HP System Event Utility for supported notebook models running a supported operating system. HP System Event Utility enables special function keys to be programmed. ([More details](#))

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[-] **Utility - Tools** (2)

### HP Wireless Hotspot Software

2014-11-03 , Version 1.0.27.1 A, 5.97M

This package provides the HP Wireless Hotspot software for supported notebook models running a supported operating system. HP Wireless Hotspot allows the Internet connection on a supported notebook to ... ([More details](#))

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## HP Support Assistant Software

2014-09-22 , Version 7.7.34.34 A, 35.86M

This package provides the HP Support Assistant Software for the supported notebook models running a supported operating system. The HP Support Assistant enables HP customers to discover, maintain, and ... ([More details](#))

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# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- According to [http://www.amazon.com/review/R1S8YTLV25JQS5/ref=cm\\_cr\\_pr\\_viewpnt#R1S8YTLV25JQS5](http://www.amazon.com/review/R1S8YTLV25JQS5/ref=cm_cr_pr_viewpnt#R1S8YTLV25JQS5), Cisco LEAP networking software and the following are bundled with the HP "Stream 11" laptop:

Various HP junkware  
Apple Bonjour (spyware in my opinion)  
Dropbox  
TripAdvisor  
Amazon  
McAfee LiveSafe  
Weather Channel  
"Snapfish"  
"MySMS"



# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- According to [http://www.computershopper.com/holidayguide/2014/analysis-best-black-friday-laptop-deals-2014/\(page\)/2#review-section](http://www.computershopper.com/holidayguide/2014/analysis-best-black-friday-laptop-deals-2014/(page)/2#review-section)

32GB of flash storage; 1TB of OneDrive cloud storage for a year; and one year's subscription to Office 365 Personal. The Walmart gift card is a perky plus—perhaps suitable for an antivirus solution if you don't want to pony up for the McAfee LiveSafe trial included on the system.

# DETERMINE BUNDLED SOFTWARE AND DRIVERS

- To confuse the end-user, "Best Buy" throws in another antivirus software trial which changes daily.

See

<http://www.bestbuy.com/site/hp-stream-11-6-laptop-intel-celeron-2gb-memory-32gb-emmc-solid-state-drive-horizon-blue/9195102.p?id=1219398344673&skuld=9195102>

# MONITORING FREE SPACE ON THE VIRTUAL HARD DRIVE OF THE THE VIRTUAL MACHINE:

# MONITORING FREE SPACE ON THE VIRTUAL HARD DRIVE OF THE VIRTUAL MACHINE (continue)

- Monitor the free hard drive space by using "Windows Explorer" or "File Explorer" from INSIDE" in the virtual machine:

Use the RIGHT mouse button to perform a click on virtual C: hard drive.

Then click on "Properties":

# MONITORING FREE SPACE ON THE VIRTUAL HARD DRIVE OF THE VIRTUAL MACHINE (continue)

- Monitor the free hard drive space by using "Windows Explorer" or "File Explorer" from INSIDE" in the virtual machine:

Use the RIGHT mouse button to perform a click on virtual C: hard drive.

Then click on "Properties"<sup>70</sup>:



Recycle Bin



CCleaner



McAfee  
LiveSafe...

Windows 8.1 Enterprise Evaluation  
Windows License valid for 85 days  
Build 9600



Start Menu >>

Program File: ▲



8:53 PM  
12/2/2014







This PC



File

Computer

View



This PC



Search This PC



★ Favorites

Desktop

Downloads

Recent places

OneDrive

This PC

Network

▲ Folders (6)



Desktop



Documents



Downloads



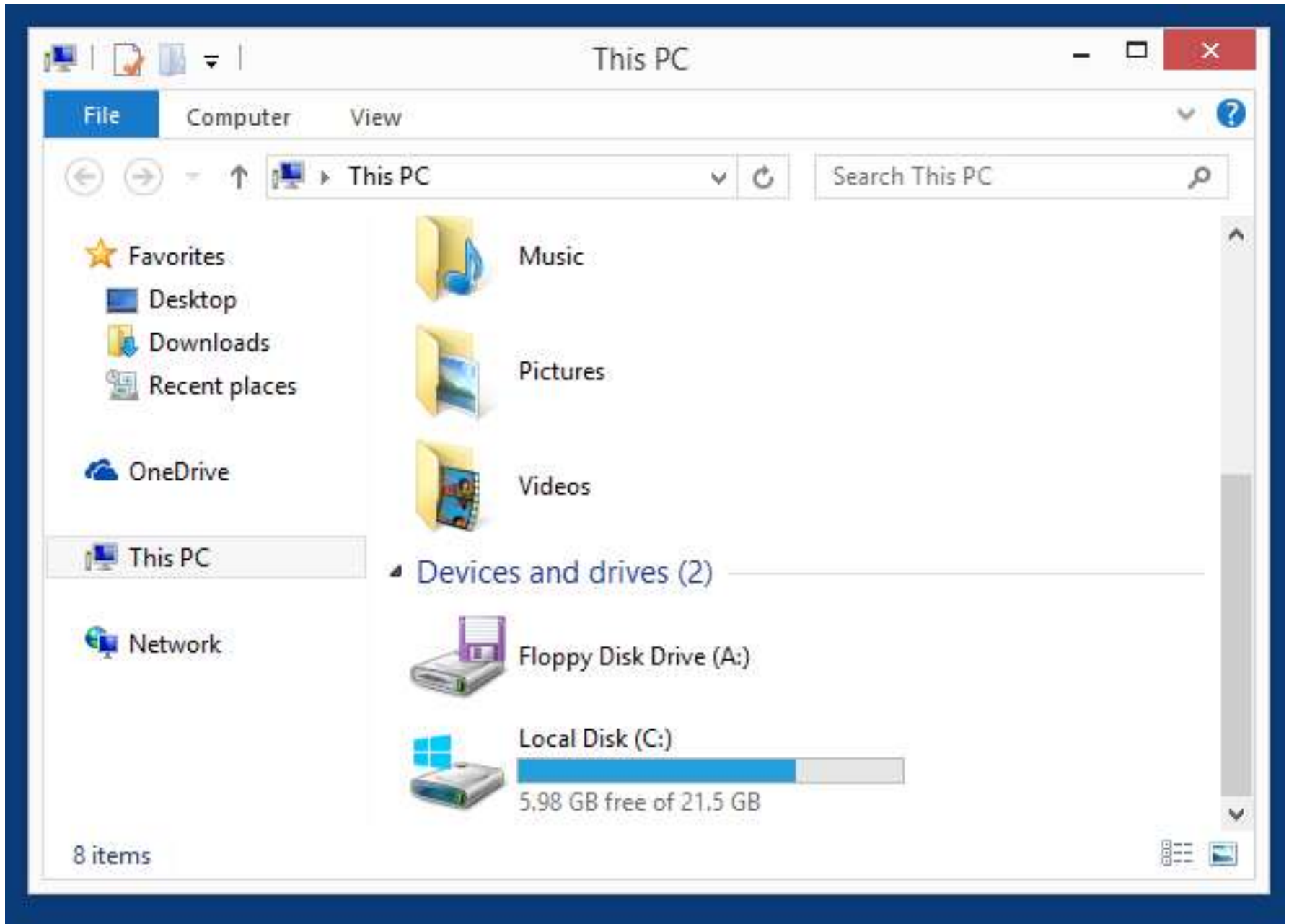
Music



Pictures

8 items







Local Disk (C:)



5.98 GB free of 21.5 GB

Computer

View

Manage

Open

Open in new window



Turn on BitLocker

Share with



Scan

Pin to Start

Format...

Copy

Create shortcut

Rename

Properties



5.98 GB free of 21.5 GB


Search This PC

### Local Disk (C:) Properties

General Tools Hardware Sharing Security Quota

Type: Local Disk  
File system: NTFS

|             |                      |         |
|-------------|----------------------|---------|
| Used space: | 16,762,327,040 bytes | 15.6 GB |
| Free space: | 6,427,975,680 bytes  | 5.98 GB |
| Capacity:   | 23,190,302,720 bytes | 21.5 GB |





Drive C: Disk Cleanup

Compress this drive to save disk space  
 Allow files on this drive to have contents indexed in addition to file properties

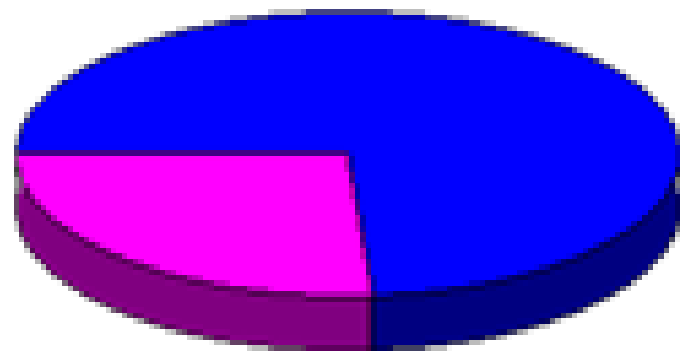
OK Cancel Apply

---

|   |                      |         |
|---|----------------------|---------|
|  Used space: | 16,762,327,040 bytes | 15.6 GB |
|  Free space: | 6,427,975,680 bytes  | 5.98 GB |

---

|           |                      |         |
|-----------|----------------------|---------|
| Capacity: | 23,190,302,720 bytes | 21.5 GB |
|-----------|----------------------|---------|



Drive C:

[Disk Cleanup](#)

# REFERENCES

- http