

CLOUD STORAGE USING "BOX"

by Francis Chao
fchao2@yahoo.com



Web location for this
presentation:

<http://aztcs.org>

Click on

“Meeting Notes”

SUMMARY

You can use "Box" cloud storage to protect yourself from the losing data files and to access data files on multiple computers, cell phones, and computing devices.

"Box" Server Farms

- Box.com uses a mixture of Amazon Web Services' "EC2" virtual cloud servers combined with their own servers in 10 leased data centers
- Their leased data centers are located in
 - Palo Alto, California
 - Portland, Oregon
 - Chicago, Illinois
 - New York state
 - Sao Paulo, Brazil
 - Amsterdam, Netherlands
 - Tokyo, Japan
 - Singapore
 - Sydney, Australia

"Box" Server Farms (continued)

- See <https://www.businessinsider.com/box-ceo-explains-aws-competitors-2016-3>

REPORT CARD FOR "BOX"

REPORT CARD FOR "BOX"

AMOUNT OF FREE STORAGE?	10 GB
RELIABLE UPLOAD AND DOWNLOAD OF ENTIRE FOLDERS CONTAINING DATA FILES?	Yes
NO KNOWN DATA SECURITY COMPROMISES?	Yes
ONLINE CREATION, VIEWING, AND EDITING OF DOCUMENT FILES AND PHOTOS?	Yes
"ZERO KNOWLEDGE" OF YOUR PASSWORD OR YOUR STORED DATA FILES	No

Internet Connection

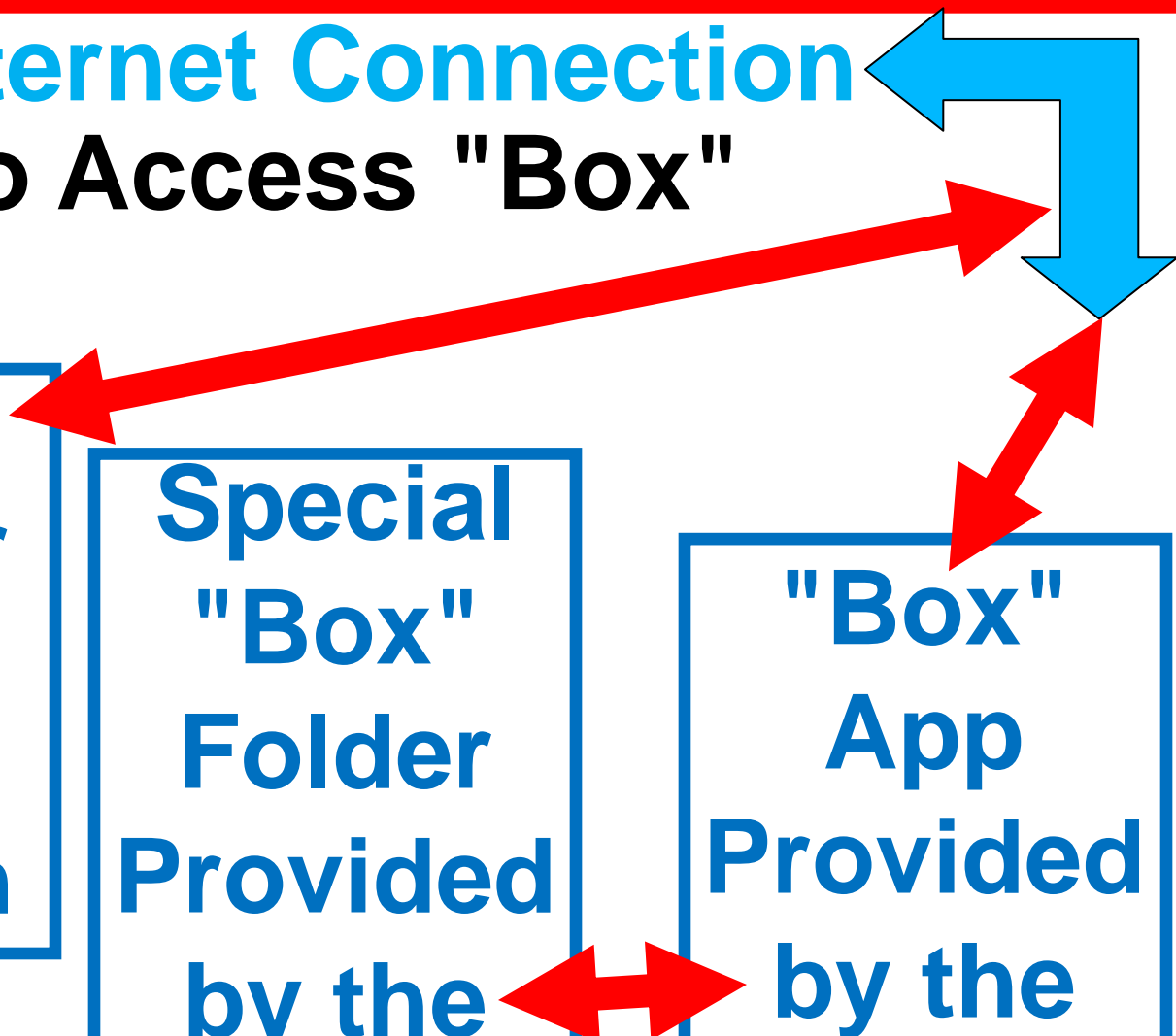
Computer to Access "Box"



**Web
Browser
to
access
box.com**

**Special
"Box"
Folder
Provided
by the
"Box"
app**

**"Box"
App
Provided
by the
Box
company**



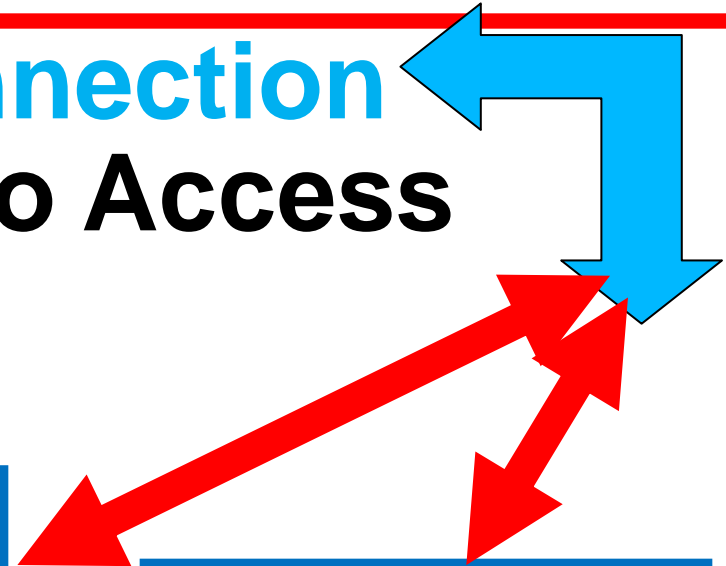
Internet Connection

Cell Phone or Tablet to Access "Box"



**Web Browser
to access
box.com**

**"Box"
App
Provided
by the
Box
company**



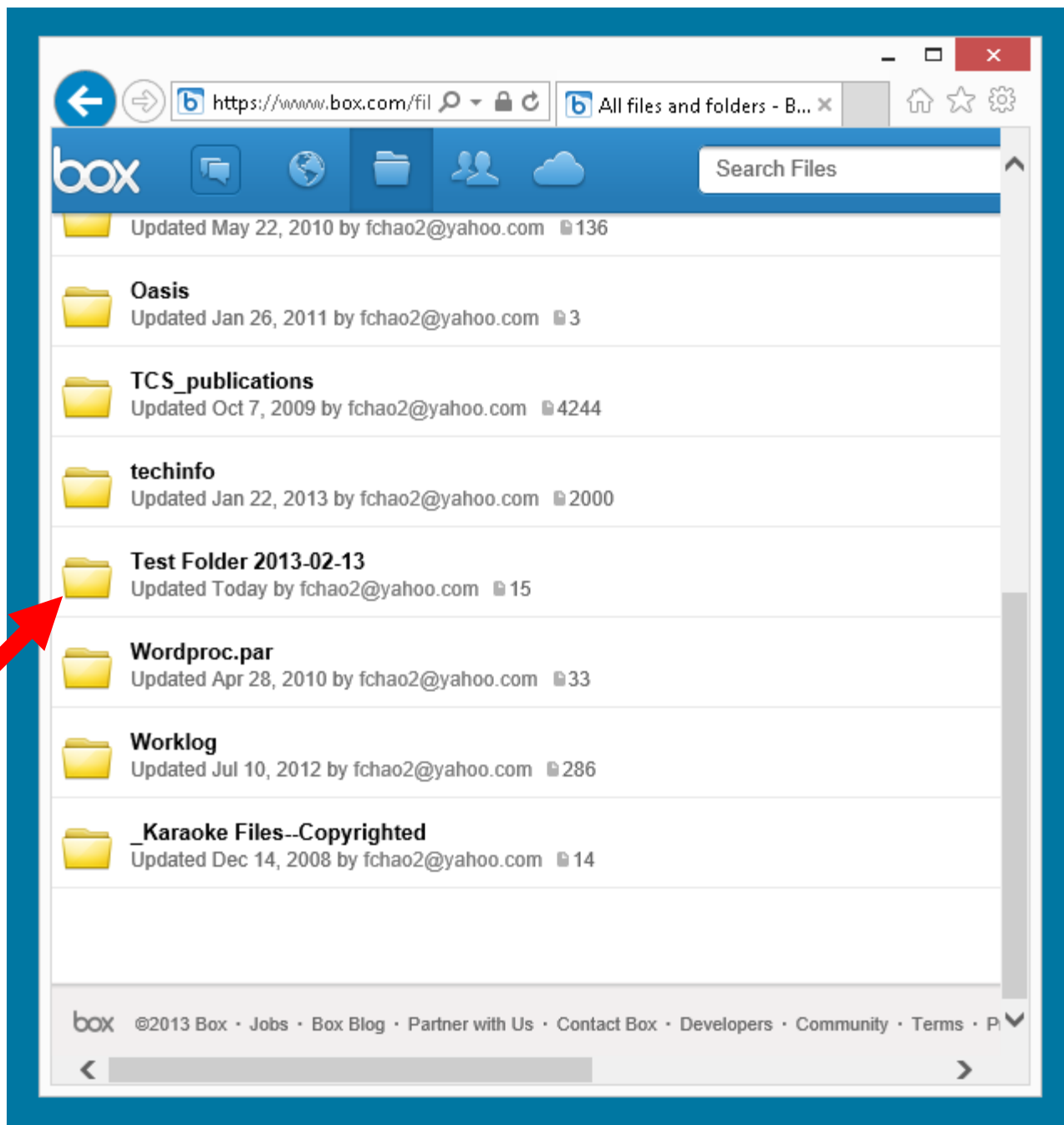
USING A WEB
BROWSER TO TO
UPLOAD FILES AND
FOLDERS TO THE
"BOX" SERVER FARM

- You can **upload** files and folders after using a Web browser to access the "Box" server farm


USING A WEB
BROWSER IN
"WINDOWS.." TO TO
UPLOAD FILES AND
FOLDERS TO THE
"BOX" SERVER FARM:

- You can **download** files and folders after using a Web browser to access the "Box" server farm:

- When you **download files** using a Web browser, they will arrive in your local computer in native format.
- When you **download a folder** using a Web browser, it will arrive in your local computer as zip file.














 Updated May 22, 2010 by fchao2@yahoo.com  136

 **Oasis**
Updated Jan 26, 2011 by fchao2@yahoo.com  3

 **TCS_publications**
Updated Oct 7, 2009 by fchao2@yahoo.com  4244

 **techinfo**
Updated Jan 22, 2013 by fchao2@yahoo.com  2000

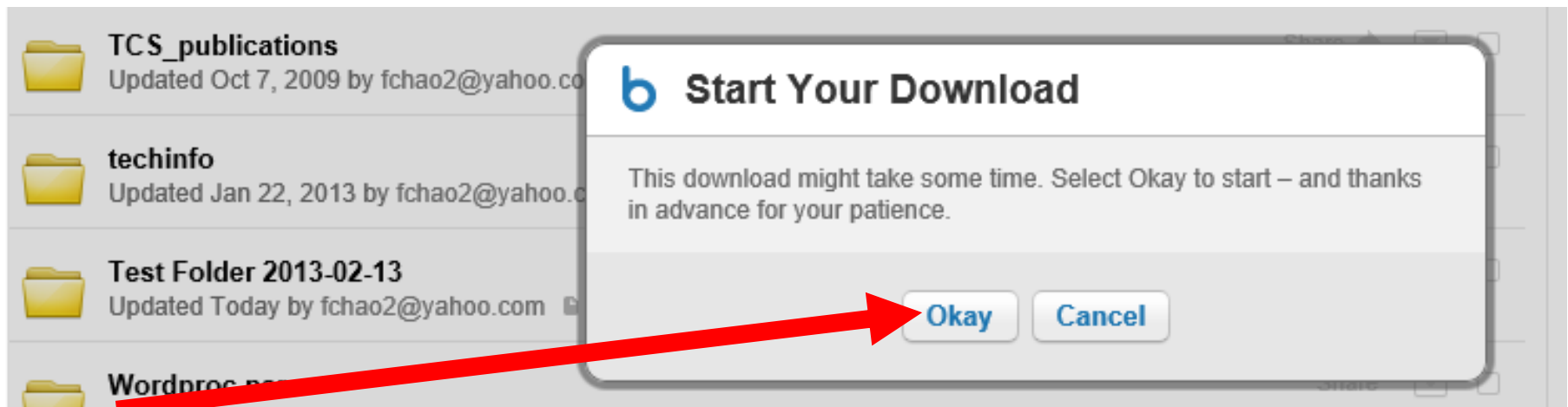
 **Test Folder 2013.02.13**
Updated To

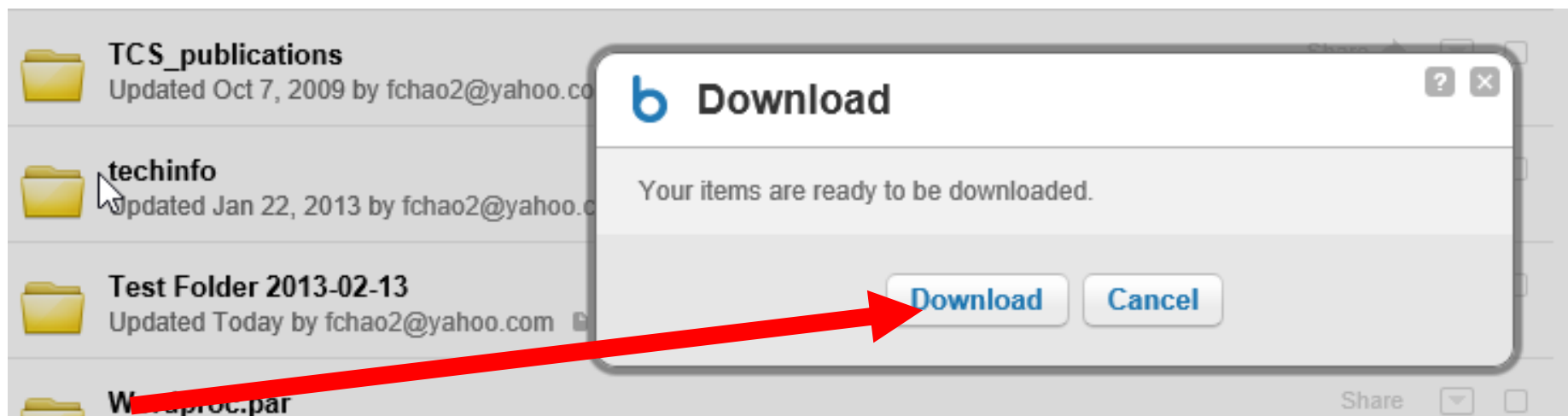
-  Open
-  Open in New Tab
-  Upload to this Folder
-  Download Folder
-  Share
-  Add Tags
-  Sync Folder to Computer
-  Folder Properties
-  Move or Copy
-  Delete
-  More Actions

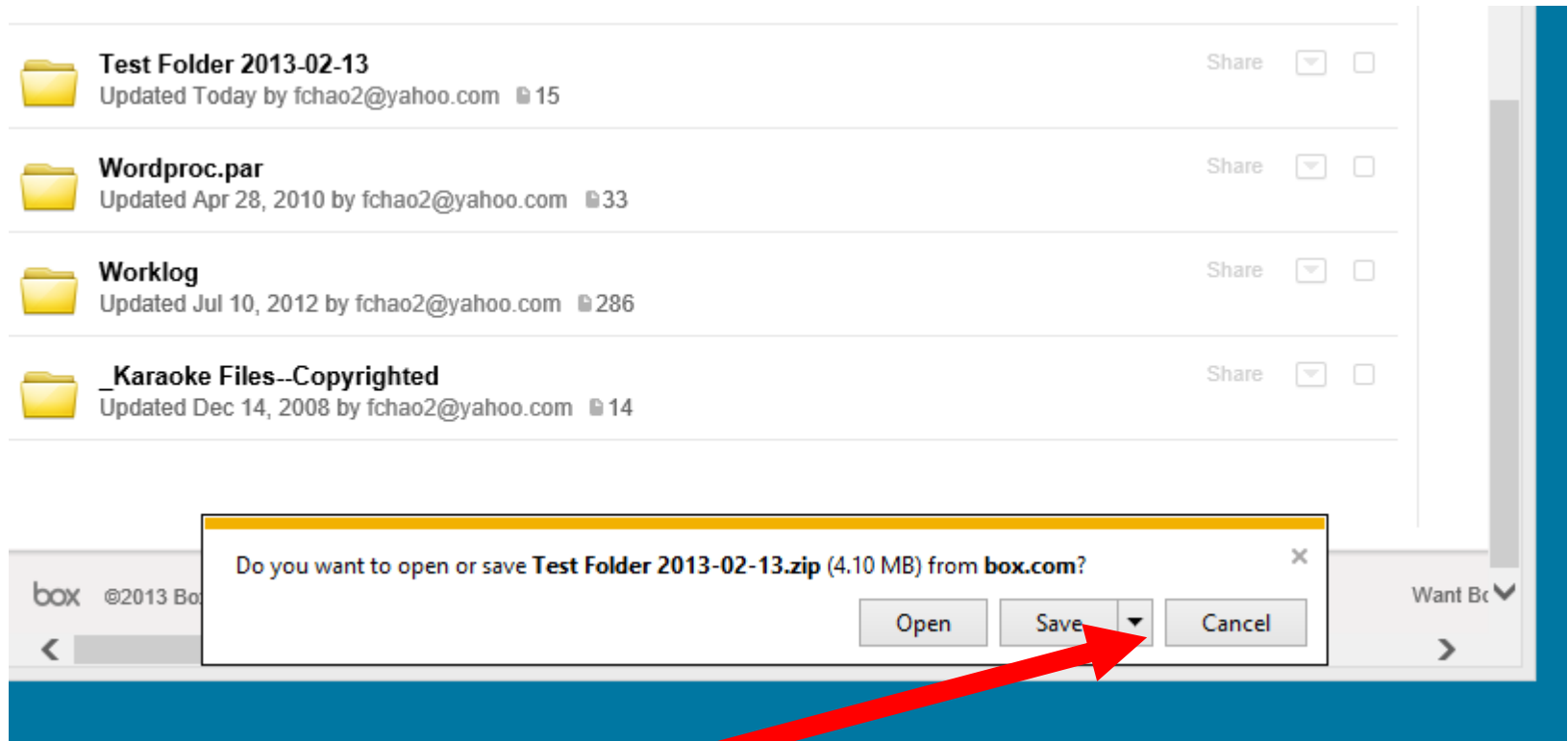
 **Wordproc**
Updated Ap  33

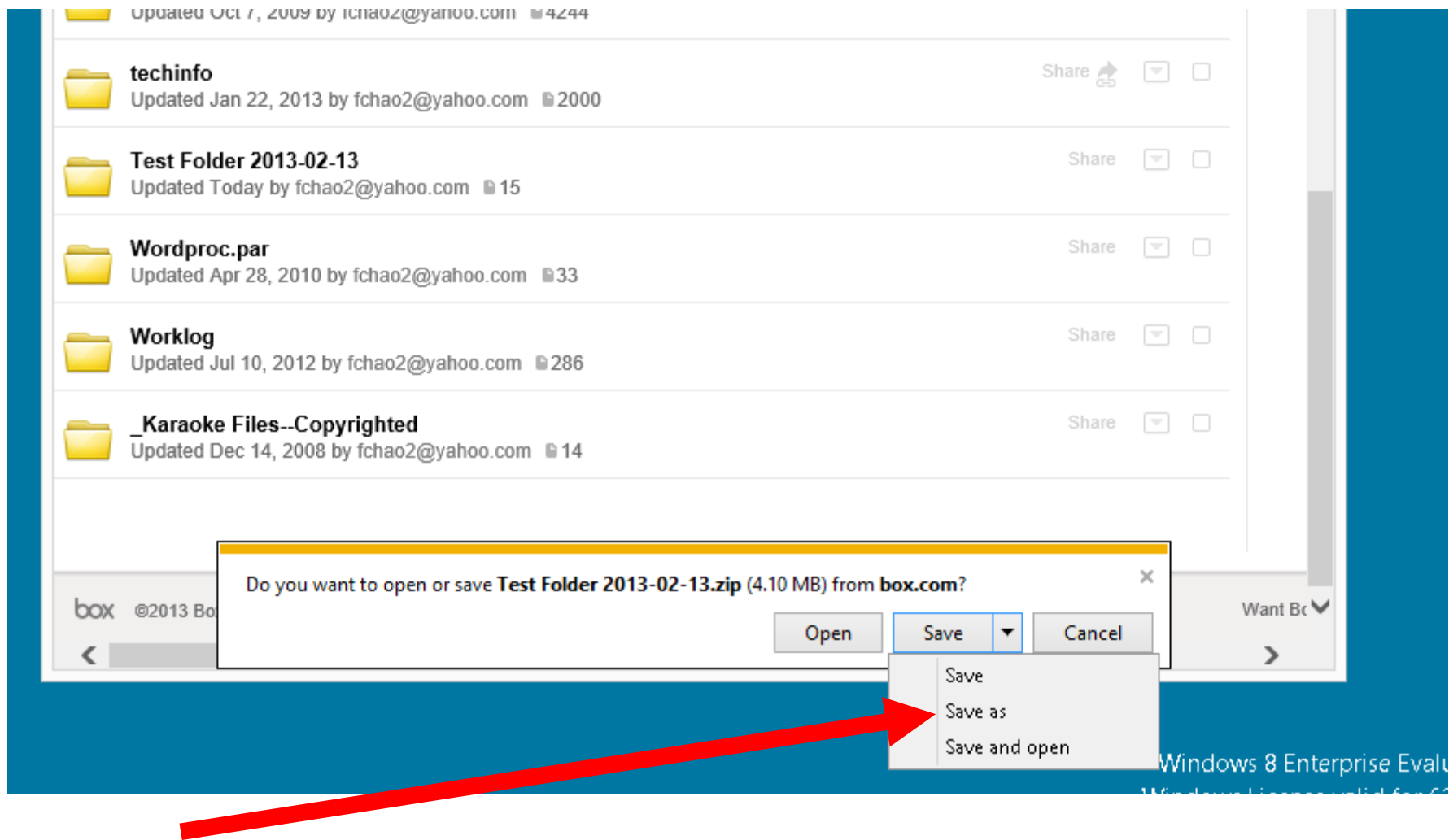
 **Worklog**
Updated Ju  286

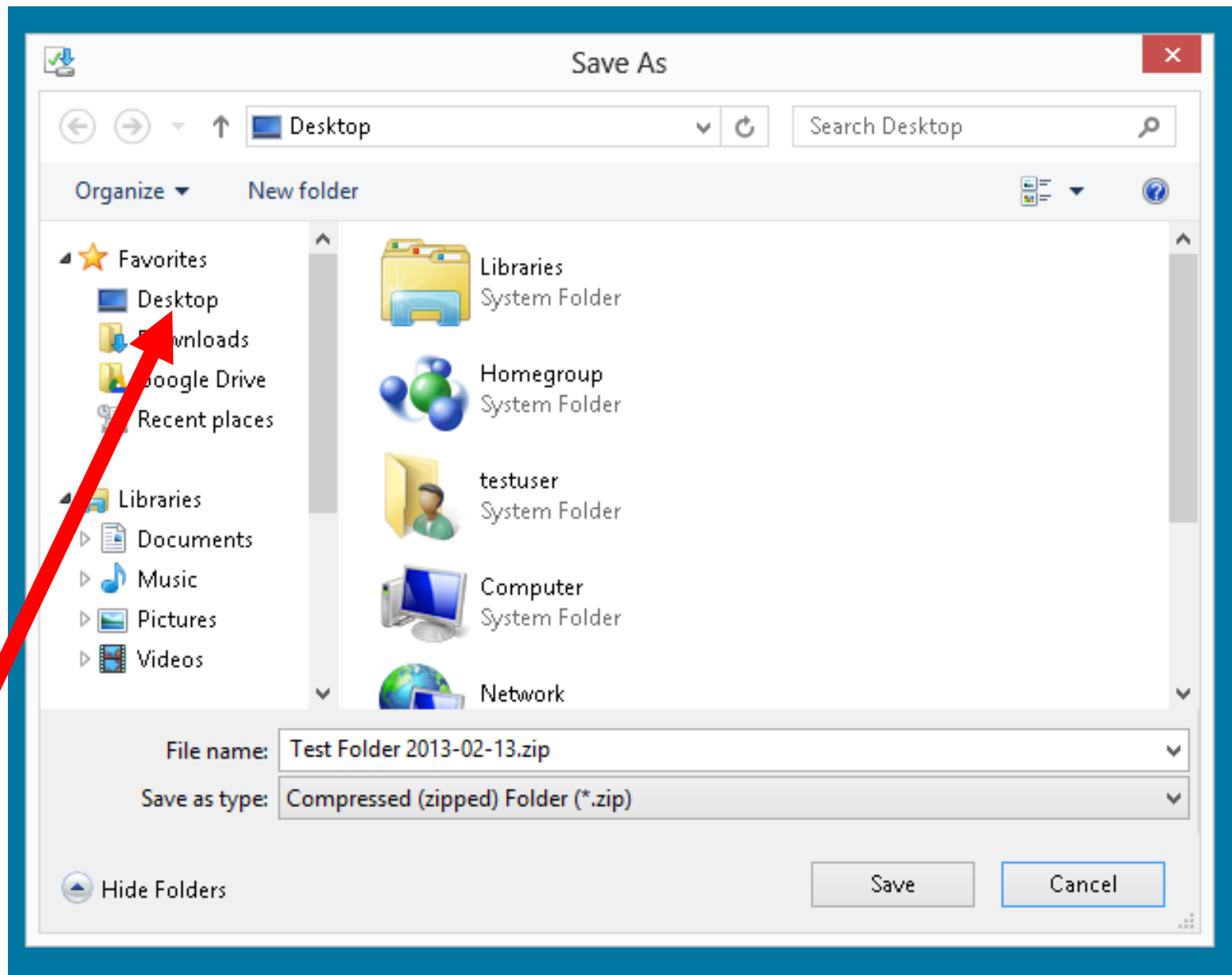
 **_Karaoke**
Updated De  14

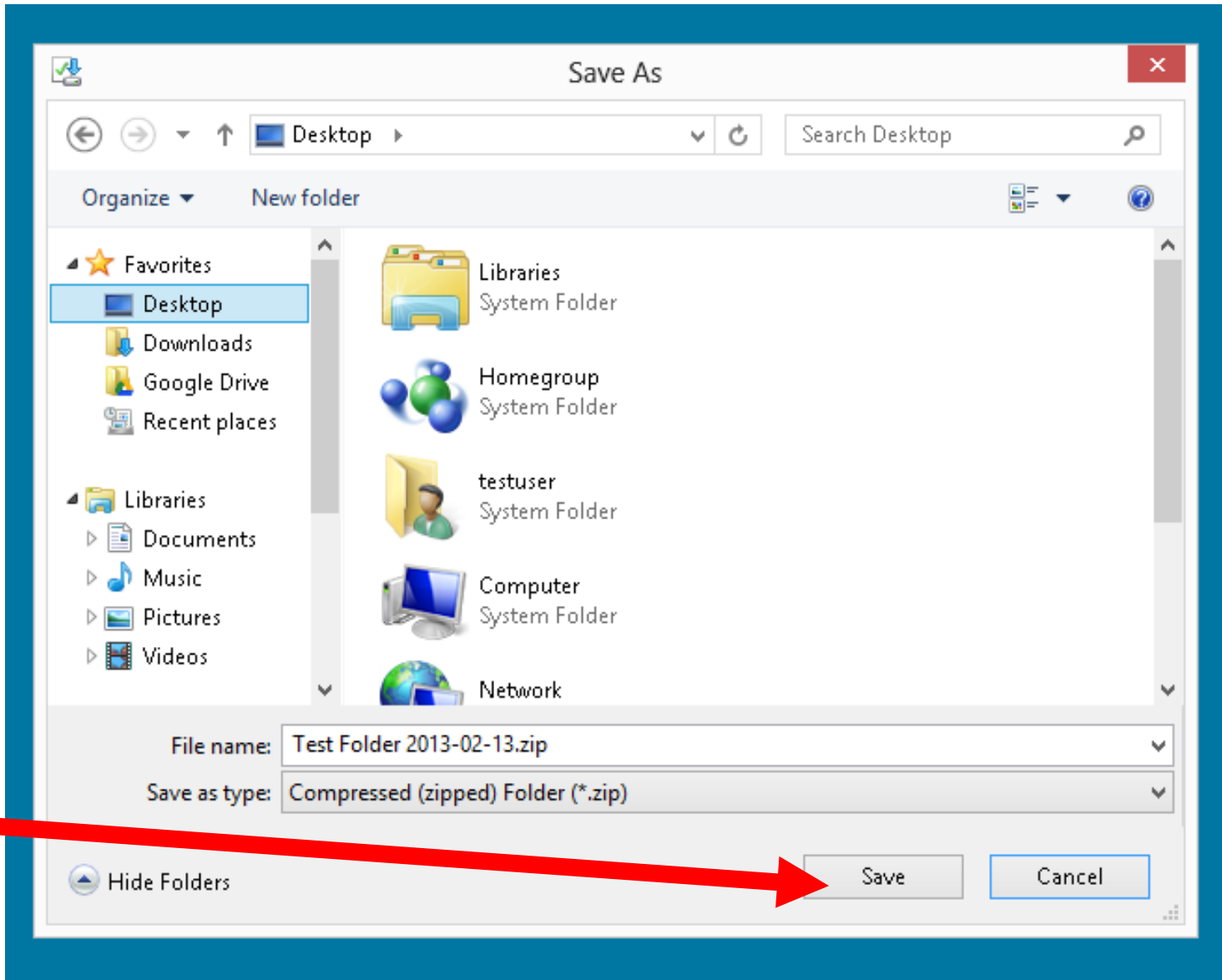












The Test Folder 2013-02-13.zip download has completed.

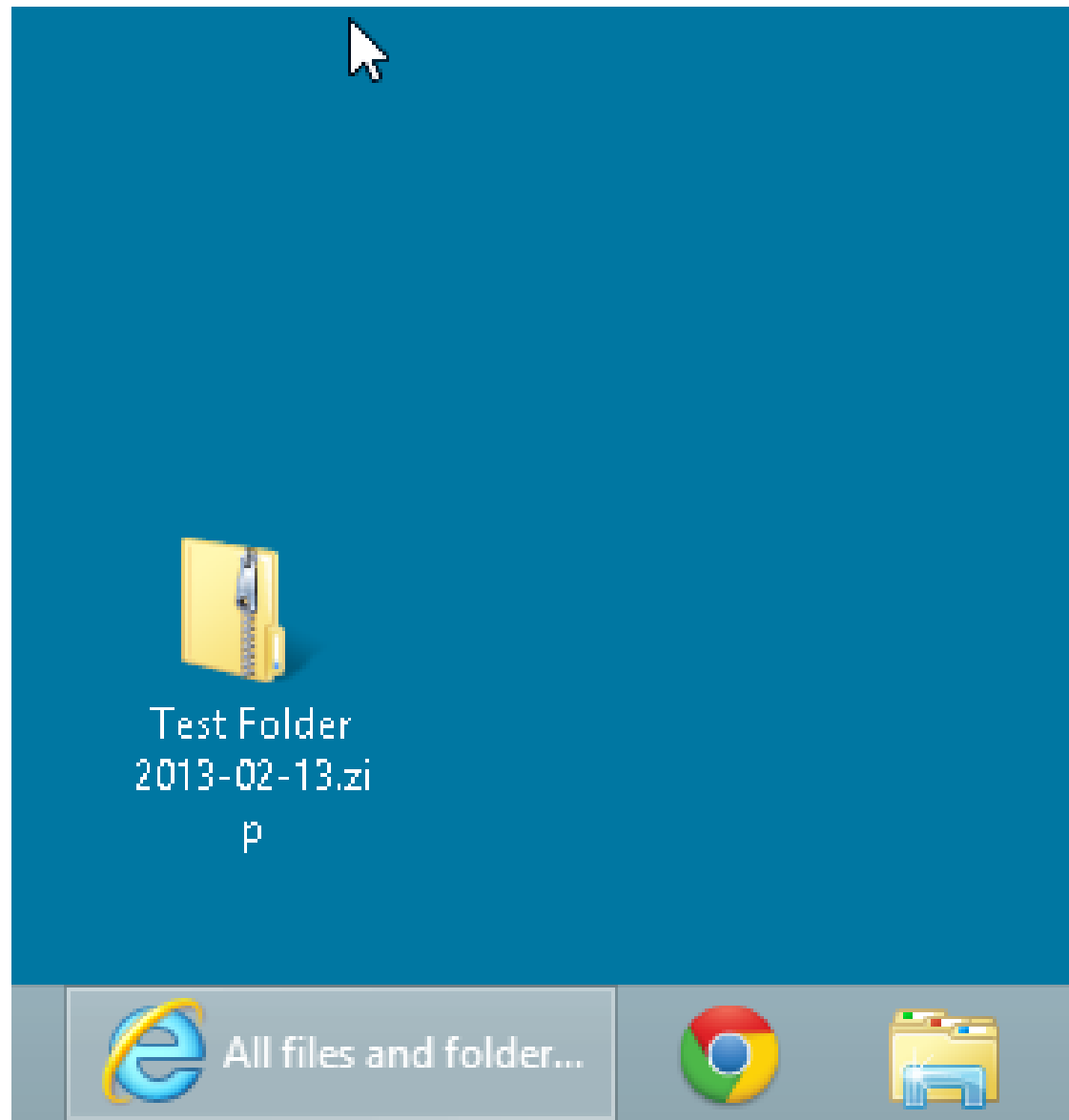


Open



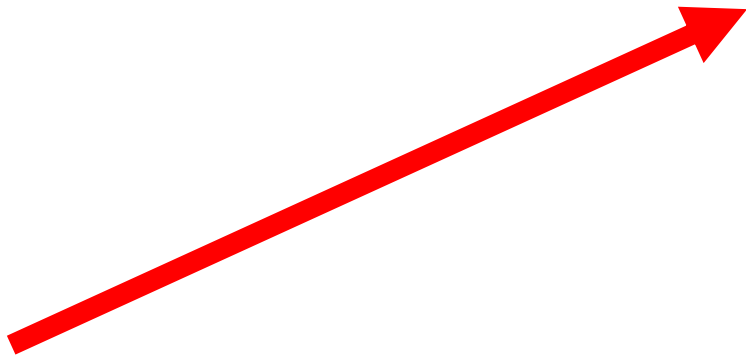
Open folder

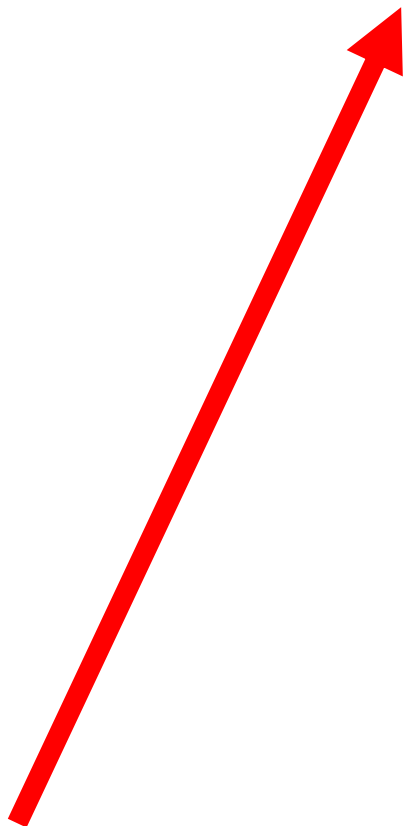
View downloads

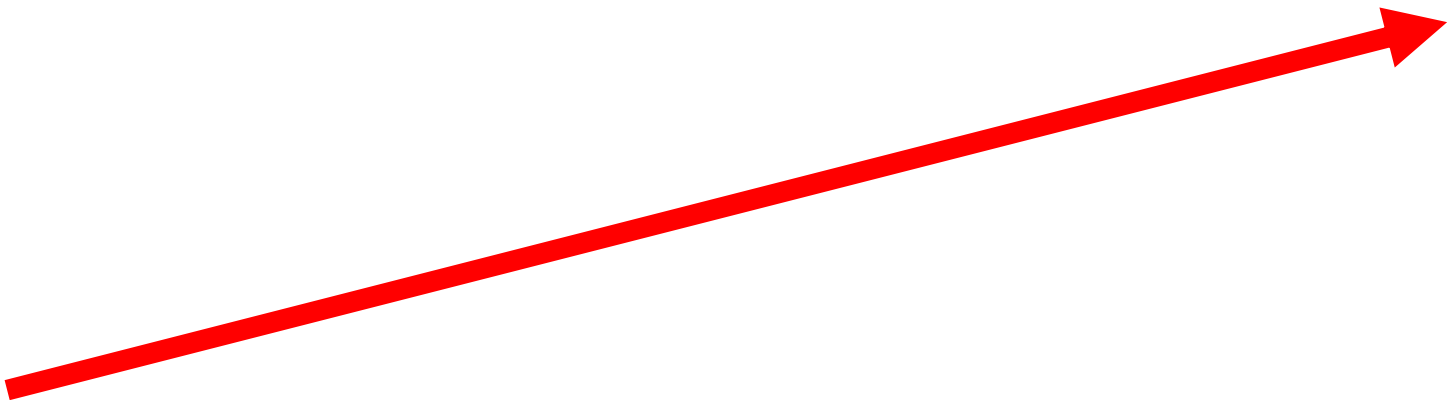


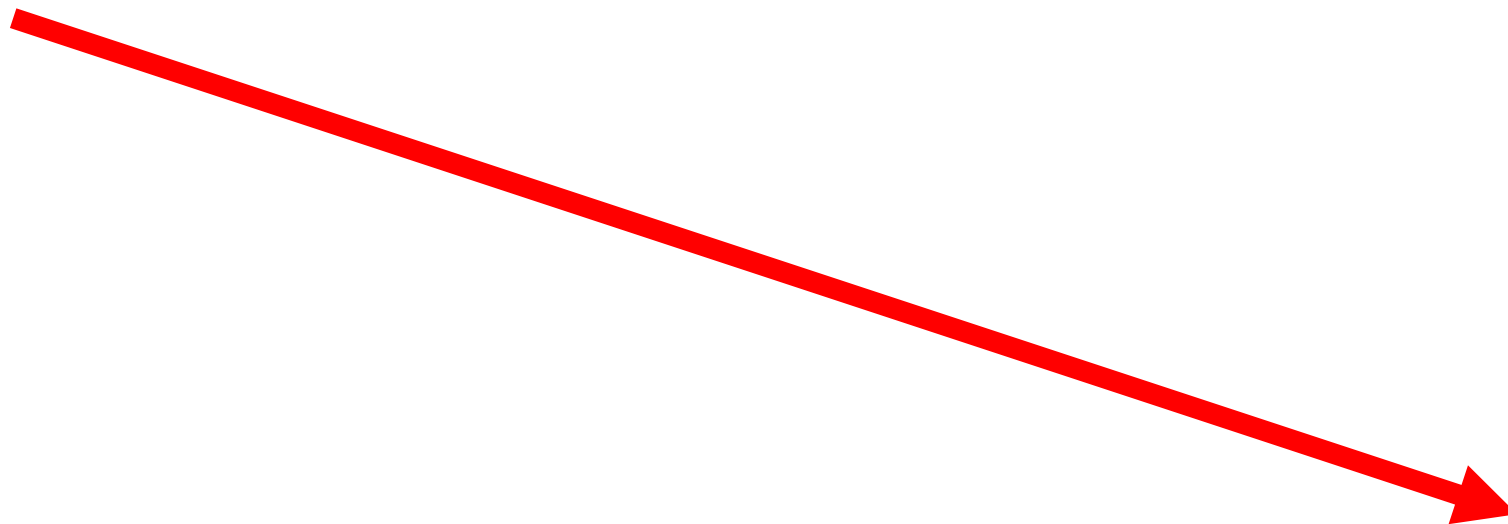
- When you use a Web browser to download a file from the "Box" server farm:
the "Box" server farm zips the folder before sending it to the "Downloads" folder of your local computer.

USING A THE "BOX SYNC"
PROGRAM WHICH PROVIDES
A SPECIAL "BOX SYNC"
FOLDER IN "FILE EXPLORER"
OR THE MAC "FINDER" TO
UPLOAD FILES AND FOLDERS
TO THE "BOX" SERVER FARM:

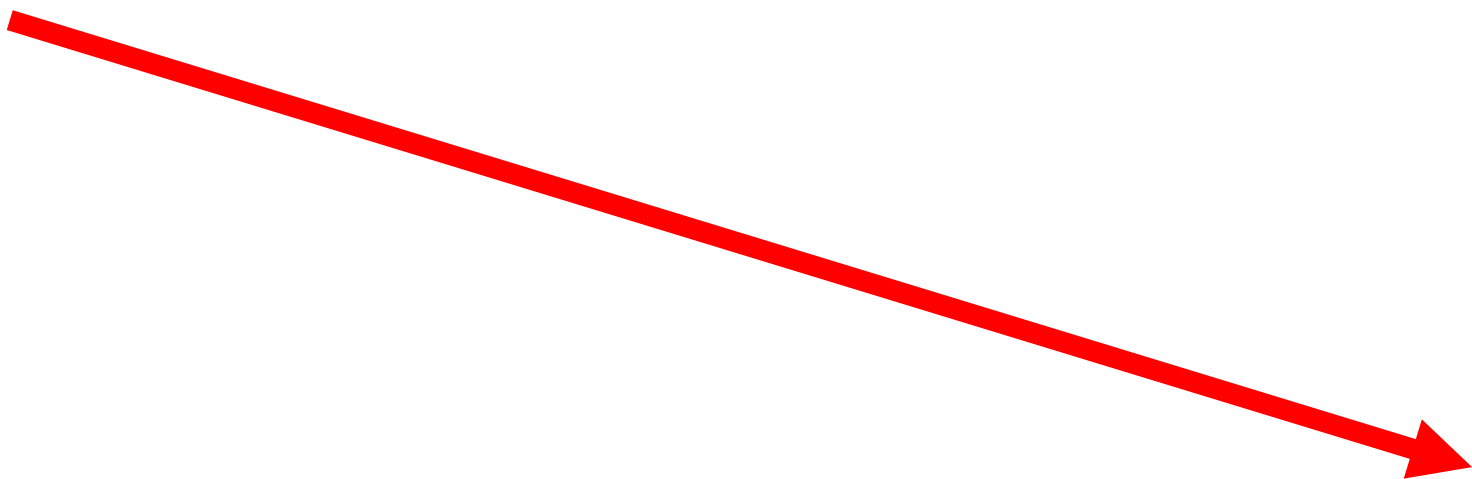




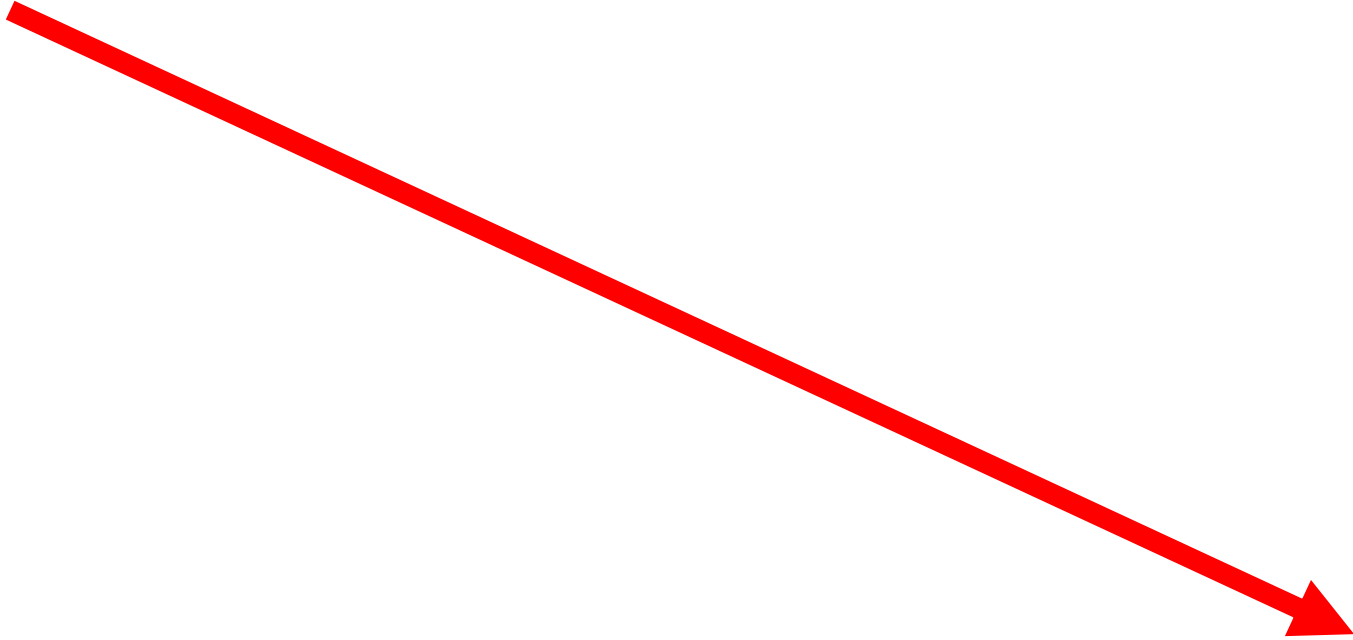


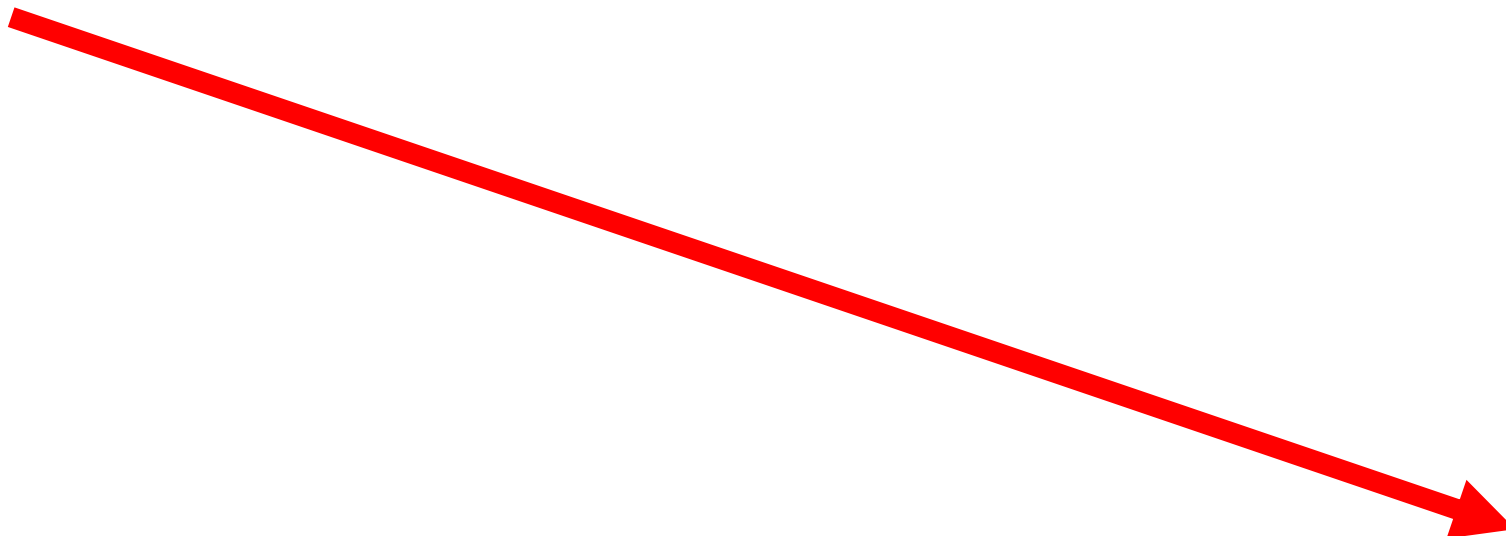


34

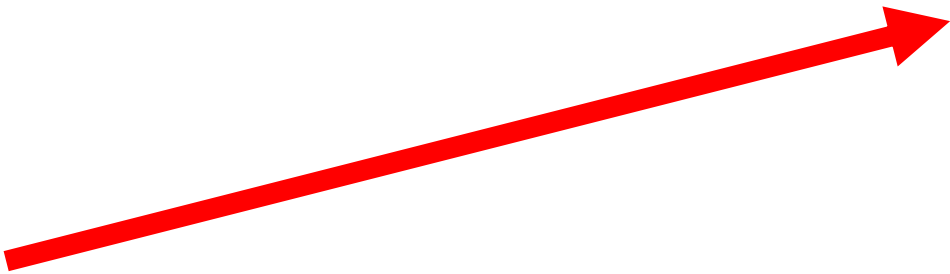


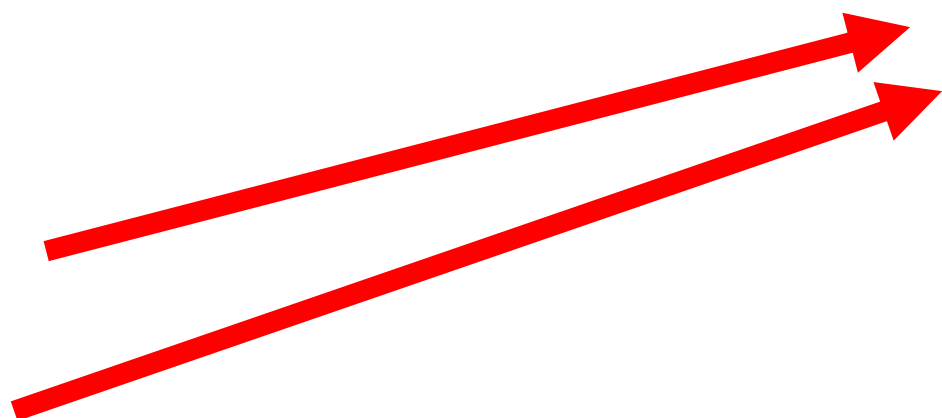
35

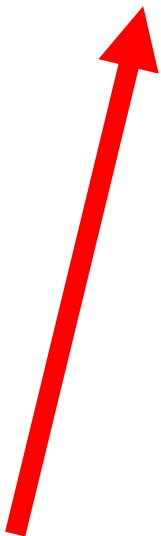


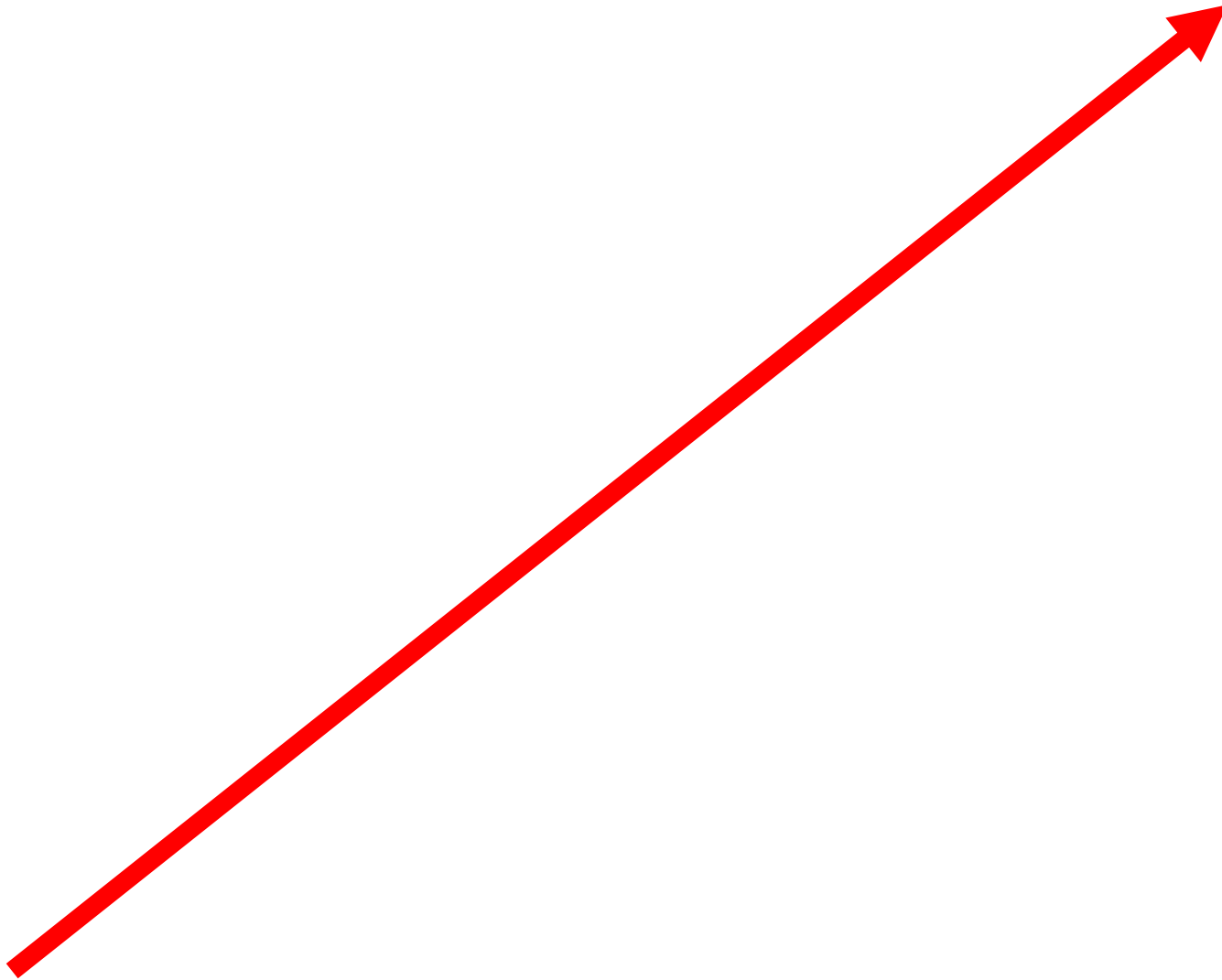


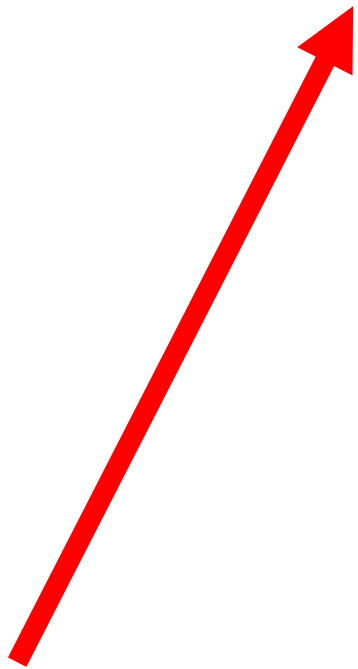
37



















ACCESSING "BOX" FROM A WEB BROWSER

From the **Desktop** of "Windows 10" or "Windows 8.1", the **main way** to access your 5 Gigabytes of free storage at "Box" is by **using a Web browser** such as "Google Chrome", "FireFox", or "Edge":

<https://www.box.com/login/>

Customer Log In | Box

[For Personal](#)
[For Business](#)
[For Enterprise IT](#)

Contact Sales
 (855) 241-1206

[Log In](#)
[Sign Up](#)

Log in to Box

Introducing Box for Windows 8

We recently released a new mobile app, Box for Windows 8. The app takes advantage of the standard features of Microsoft's new operating system, so users can now:

- Pin live tiles to your Start screen to see updates from colleagues
- Easily share files and folders as links with Windows 8 Share
- Navigate large directories with Semantic Zoom (pinch and zoom)

Read more: [The Box Blog](#)

Download the app: [Box for Windows 8](#)

Log in to your account:

Email/Username:

Password:

☐ Remember this login information?

[Log In](#) [Forgot password?](#)

Don't have an account?

[Register for Box](#) or [learn more](#)

[Sign in with your Google account](#)

Get Box for Mobile

Apple
 Android
 Windows

Follow Us

Twitter
 Facebook
 YouTube
 Blog

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←

→

https://www.box.com/files

🔍 🔒 ↻

📁 All files and folders - Box

✕

box

💬

🌐

📁

👤

☁

Search Files

🔍

Upgrade

⚙

⬆

Jump to folder

All Files and Folders

Files and Folders

📁

📄

📅

Sort by Date

📄

📁

Default Sync Folder

Updated Yesterday by M Orban

1

Share

📄

📄

📁

Test Folder 2013-02-13

Updated Yesterday by M Orban

13

Share

📄

📄

📄

secureWeb.pdf

V2 Updated Feb 22, 2013 by M Orban

2.7 MB

Share

📄

📄

M Orban

UPGRADE · Help · Log out

How to Get Started · Hide

2 of 6 Steps Completed

📁 Create a new folder

📁 Upload and share files

✉ Invite collaborators

💬 Leave a comment

👤 Edit your profile

➕ Add an application

Recently Updated Folders

📁 Default Sync Folder

📁 Nested 7 Levels Down

📁 Nested 6 Levels Down

📁 Nested 5 Levels Down

📁 Nested 4 Levels Down

📁 Nested 3 Levels Down

📁 Nested 2 Levels Down

Account

👤 Personal Account UPGRADE

📊 Storage: 6.8MB of 5.0GB

💼 Business Solutions

Resources

🗑 Trash

❓ Help

🗣 Box Community

box

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⬇

USE THE FREE "BOX SYNC"
SOFTWARE PROGRAM TO
SYNCHRONIZE FILES BETWEEN
A "WINDOWS.." PC (OR A MAC)
AND THE "BOX" SERVER FARM

For a PC running "Windows XP", "Windows Vista", "Windows 7", or "Windows 8", or a Mac running "OS X", you can install "Box Sync" so that "Box" will automatically synchronize files and folders between your a "My Box Files" folder in a Windows PC or a "Box Documents" folder in a Mac and the files that you store at the "Box" server farm.

See

<https://support.box.com/entries/20364863-Box-Sync-System-Requirements>

REQUIREMENTS FOR BOX SYNC FOR PC/MAC

Box Sync System Requirements



Ryan

posted this on August 15, 2011 12:35 pm

Updated on November 28, 2012 15:05 pm



Can I activate sync on my account?

If you see a Box Sync as an option on your Settings page, it has already been rolled out to your account. We have rolled out Box Sync to our [business](#) and [enterprise](#) customers. And because we believe that connecting the desktop to cloud content management is core to the Box platform, we'll also be making a modified version available to Lite and Individual users.

What Operated Systems are supported?

Sync will currently work on

- Windows 7 and Vista (32 & 64 bit versions)
- XP (32 bit only)
- Mac OS 10.6 and higher (64 bit only)

Sync is NOT supported for installation in server environments.

The "My Box Files" folder and the sync client must be installed on the local hard disk, or directly connected external hard disk. Networked drives and Server environments are not supported locations for the "My Box Files" folder.

What files cannot be synced?

Some files may not sync, this is usually due to a naming convention that Windows does not support such as (\, /, ", :, <, >, |, *, ?) to sync these files you will need to log into the web interface and rename the file.

As WebDocs are a proprietary Box.net file which cannot be opened by a native application, they will not sync down to your desktop.

The following file types are currently not supported:

- Hidden files and folders
- System files and folders
- Temp files and folders (with extension .tmp)
- Outlook Storage Files (.pst files)
- Box Webdocs (.webdoc files)
- Windows Shortcuts (.lnk files)
- Quickbook files (.QBW, .QBW.ND & .QBW.TLG)

To download "Box Sync"
into you Mac or
"Windows.." computer, go
to
<https://www.box.com/download-box-sync/>

USING A WEB BROWSER TO
VIEW OR EDIT DATA FILES
THAT ARE STORED AT THE
"BOX" SERVER FARM

If you double-click on a file, a default viewer displays the file in a "read-only" mode:

Nested 7 Levels Down - Box - Windows Internet Explorer

https://www.box.com/files/#/files/0/f/688433631/Nested_

box

Search Files

Upgrade

All Files > ... > Nested 5 Levels Down > Nested 6 Levels Down > Nested 7 Levels Down

Nested 7 Levels Down











Upload New... Folder Options

Files and Folders Discussions

Sort by Date

Add a folder description...

Seed Files
Updated Today by M Orban 1

 fc.docx v3 Updated Today by M Orban · 28.9 KB	Share		
 fc.pdf Created Today by M Orban · 288.4 KB	Share		
 fc.doc Created Today by M Orban · 174.5 KB	Share		
 XL SX file.xlsx Created Today by M Orban · 1 KB	Share		
 XL SX file.xls Created Today by M Orban · 23.0 KB	Share		
 Text in folder 7 levels down.txt Created Today by M Orban · 0B	Share		
 Start screen.pptx Created Today by M Orban · 258.0 KB	Share		
 Start screen.ppt Created Today by M Orban · 336.5 KB	Share		
 PPTX-seed-file.pptx Created Today by M Orban · 37.8 KB	Share		
 PPT-seed-file.ppt	Share		

Sharing

Link: Get a link to this folder

0 Collaborators

Invite people to update files in this folder.

Enter names or email addresses

Invite Collaborators

Recently Updated Items

fc.docx

Resources

Trash

Help

Box Community

Francis W. Chao's Presentations for the APCUG Speakers Bureau

Francis Chao is prepared to present any of the following programs to your User Group:

- [Secure Web Access Using a Two-Router Demilitarized Zone \(DMZ\) and a "VMware" Virtual Machine](#) (B)

From inside a "VMware" virtual machine that connects with a USB-to-Gigabit Ethernet adapter to a two-router "De-Militarized Zone" (DMZ), you can access the Internet with the maximum amount of protection from malware.

This unique virtual machine configuration resolves two problems:

- Problem 1 •

Sharing

> Link: Get a link to this file

> 0 Collaborators

Files in this Folder



fc.docx

Updated by M Orban



fc.pdf

Updated by M Orban



fc.doc

Updated by M Orban



XLSX file.xlsx

Updated by M Orban



XLSX file.xls

Updated by M Orban

File Information

Size: 28.9 KB

Updated: Today **Version 3**

Tags: +

[Edit properties](#)

Actual Size

Page 1 of 29

Add a description...

[Comment](#) · [Assign Task](#) · [Like](#)

<https://www.box.com/>

If you click on the "More Options" button for the file, you have several options:

Nested 7 Levels Down - Box - Windows Internet Explorer

https://www.box.com/files#/files/0/f/688433631/Nested_7 Levels Down - Box

box Search Files Upgrade

All Files > ... > Nested 5 Levels Down > Nested 6 Levels Down > Nested 7 Levels Down

Nested 7 Levels Down

Files and Folders Discussions Sort by Date

Add a folder description...

Seed Files
Updated Today by M Orban 1

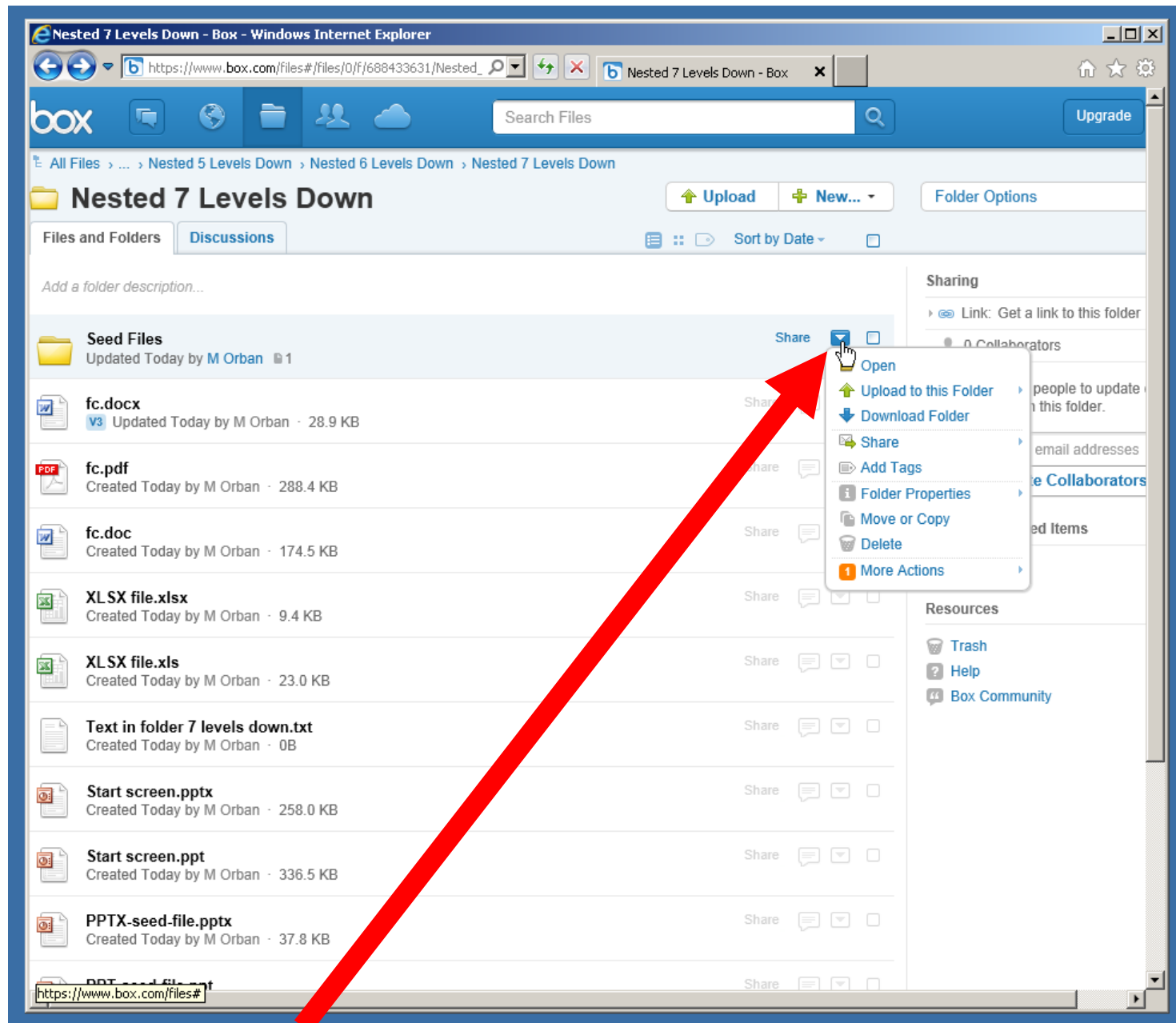
File Name	Size	Created/Updated	Share	More options
fc.docx	28.9 KB	Updated Today by M Orban	Share	More options
fc.pdf	288.4 KB	Created Today by M Orban	Share	
fc.doc	174.5 KB	Created Today by M Orban	Share	
XL SX file.xlsx	9.4 KB	Created Today by M Orban	Share	
XL SX file.xls	23.0 KB	Created Today by M Orban	Share	
Text in folder 7 levels down.txt	0B	Created Today by M Orban	Share	
Start screen.pptx	258.0 KB	Created Today by M Orban	Share	
Start screen.ppt	336.5 KB	Created Today by M Orban	Share	
PPTX-seed-file.pptx	37.8 KB	Created Today by M Orban	Share	

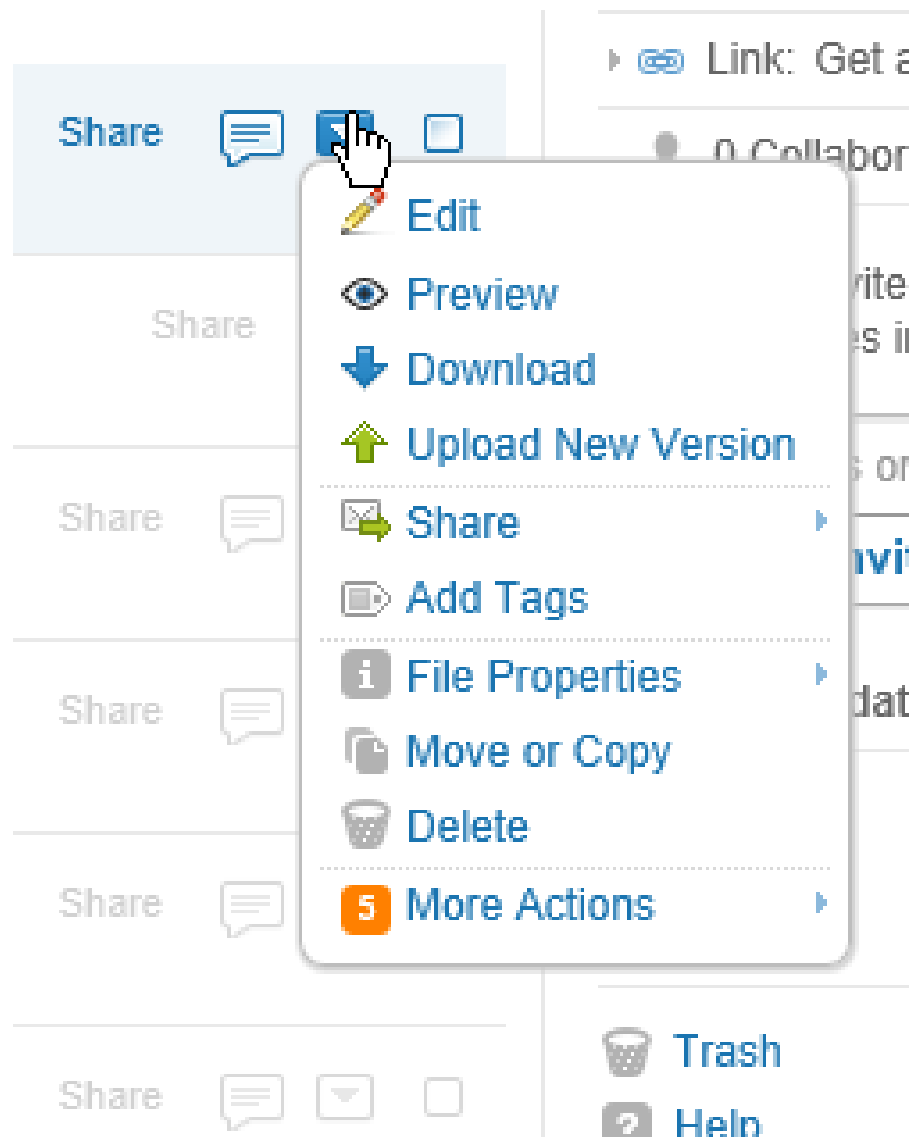
Sharing
Link: Get a link to this folder
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Invite people to update files in this folder.
Enter names or email addresses
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Recently Updated Items
fc.docx

Resources
Trash
Help
Box Community

https://www.box.com/files#

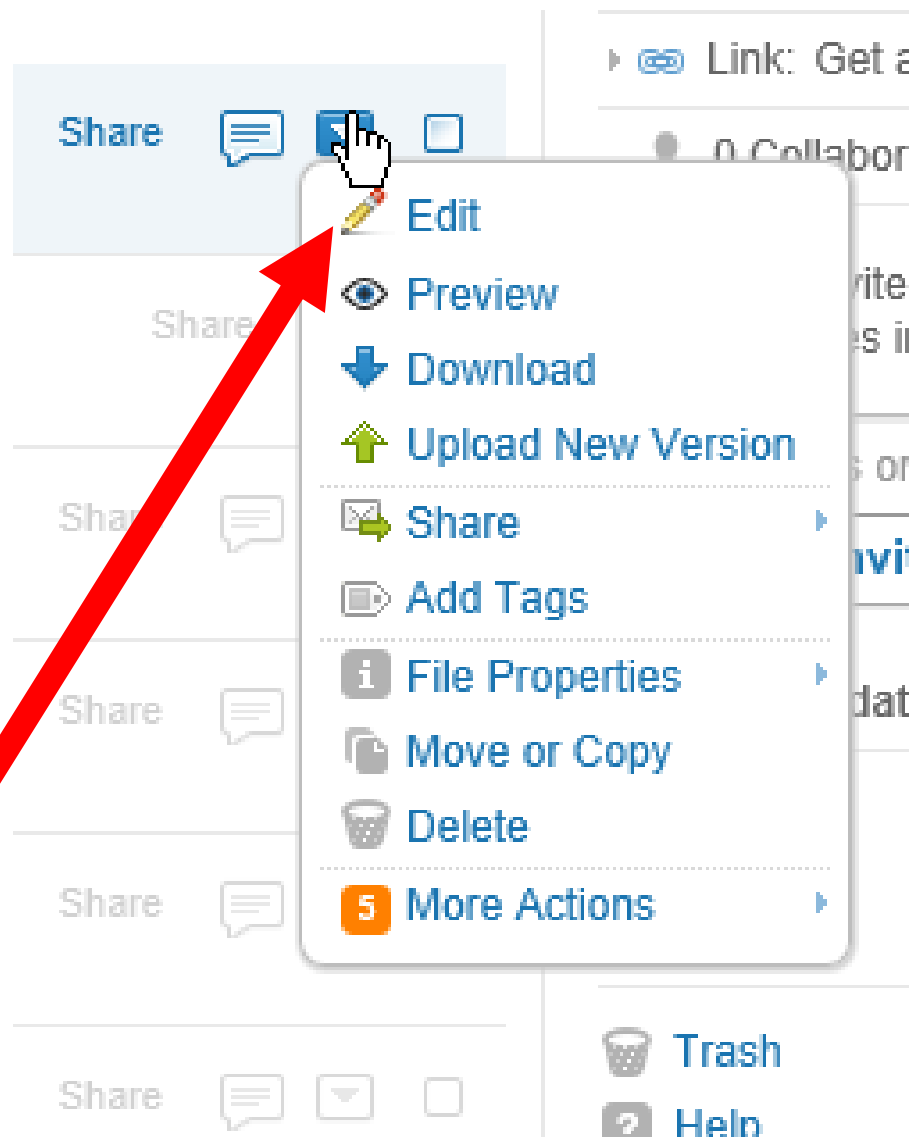


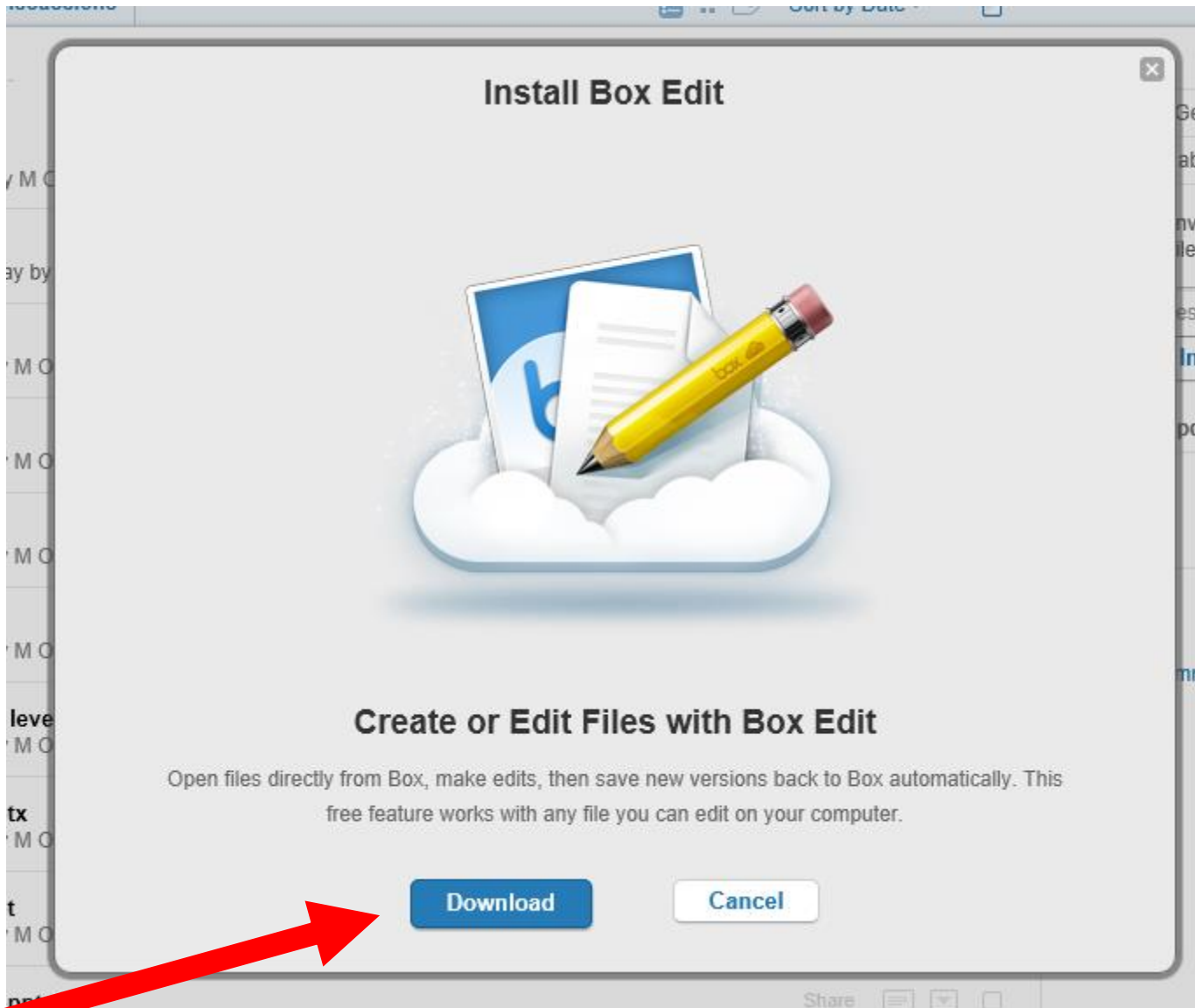


If you click on "Edit" in the pop-up context menu, you will either install or run "Box Edit" program which will automatically download the file to your local computer so that you can edit it there with whatever software is available on your local computer. When you close the local application program, you the "Box Edit" program send the file back up to "Box" to replace the original file.

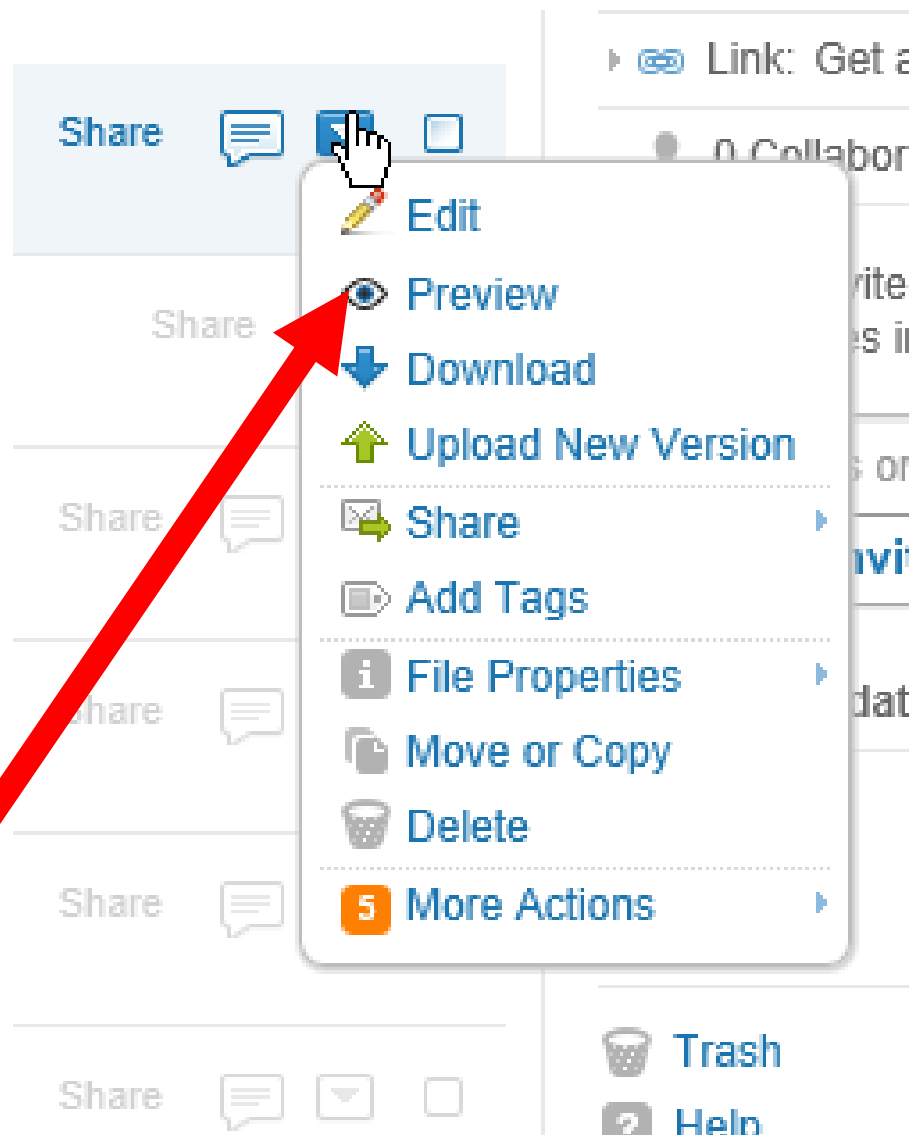
Details about "Box" (continued)

- The free "Box Edit" program lets you use the default application on your local computer (such as "Microsoft Office..", "LibreOffice", or "OpenOffice") to open and edit files that are stored at the "Box" server farm. See <https://support.box.com/entries/22144503-Box-Edit-Overview-and-FAQs>

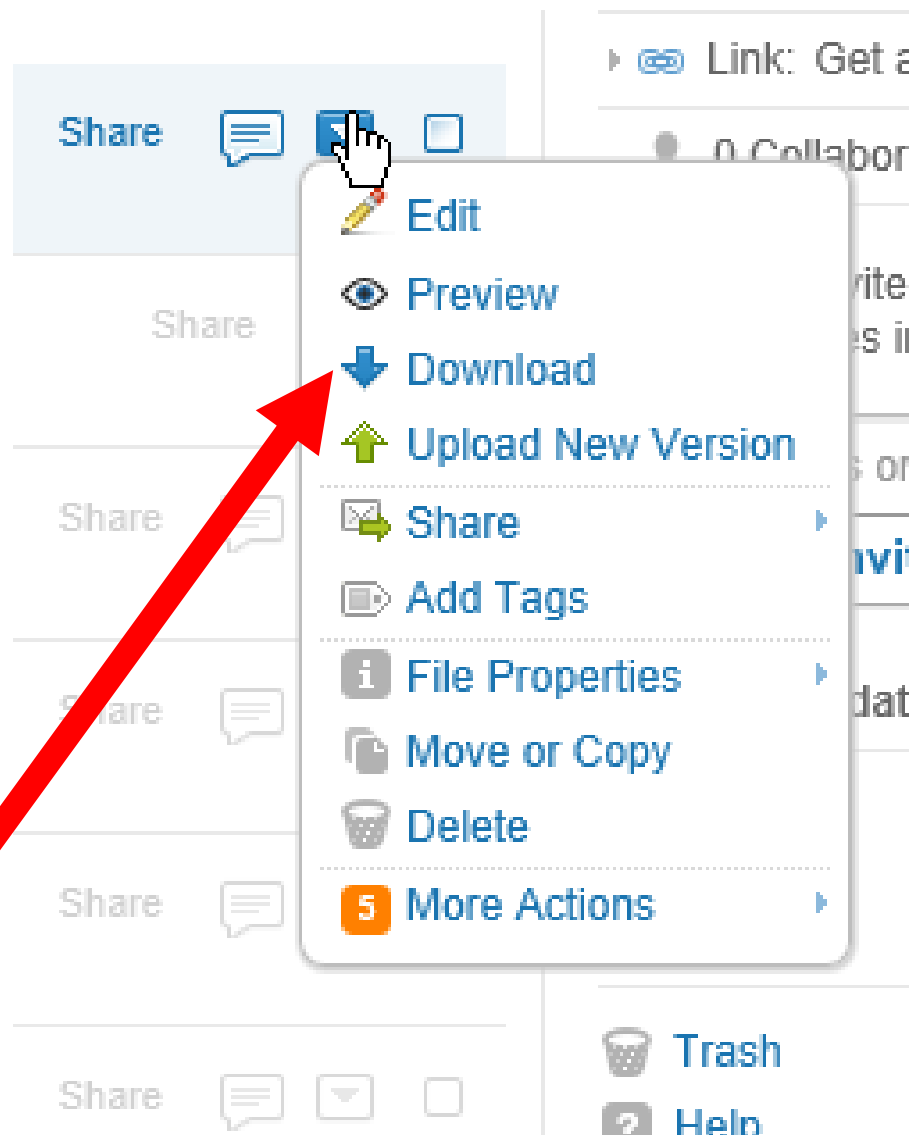




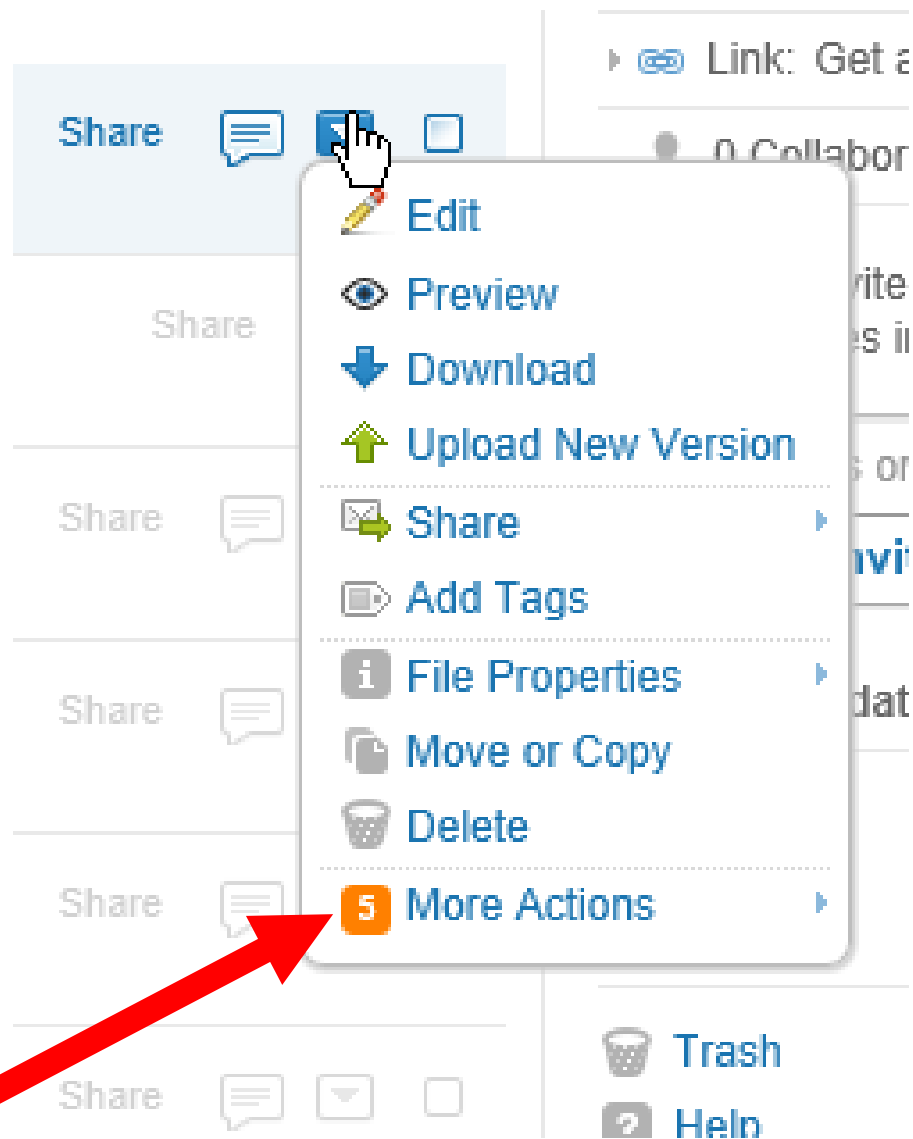
Clicking on "Preview" on the pop-up context menu is the same as double-clicking on the name of the file. You get an online, read-only preview of the file. This read-only preview is provided by the Box.net server farm.



Clicking on "Download" downloads the file down to a local hard drive on your computer, where you can edit the file with your locally-installed software such as "Microsoft Office..", the free "LibreOffice", or the free "OpenOffice":



Clicking on "More Actions", a second pop-up context menu will be displayed:



Nested 7 Levels Down - Box - Windows Internet Explorer

https://www.box.com/files#/files/0/f/688433631/Nested_

Search Files

Upgrade

All Files > ... > Nested 5 Levels Down > Nested 6 Levels Down > Nested 7 Levels Down

Nested 7 Levels Down

Upload New... Folder Options

Files and Folders Discussions Sort by Date

Add a folder description...

fc.docx V3 Updated Today by M Orban · 28.9 KB

Seed Files Updated Today by M Orban · 1

fc.pdf Created Today by M Orban · 288.4 KB

fc.doc Created Today by M Orban · 174.5 KB

XL SX file.xlsx Created Today by M Orban · 9.4 KB

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Text in folder 7 levels down.txt Created Today by M Orban · 0B

Start screen.pptx Created Today by M Orban · 258.0 KB

Start screen.ppt Created Today by M Orban · 336.5 KB

PPTX-seed-file.pptx Created Today by M Orban · 37.8 KB

Sharing

Link: Get a link to this folder

0 Collaborators

Write people to update files in this folder.

or email addresses

Invite Collaborators

dated Items

Trash

Help

Box Community

Edit

Preview

Download

Upload New Version

Share

Add Tags

File Properties

Move or Copy

Delete

More Actions

Edit document

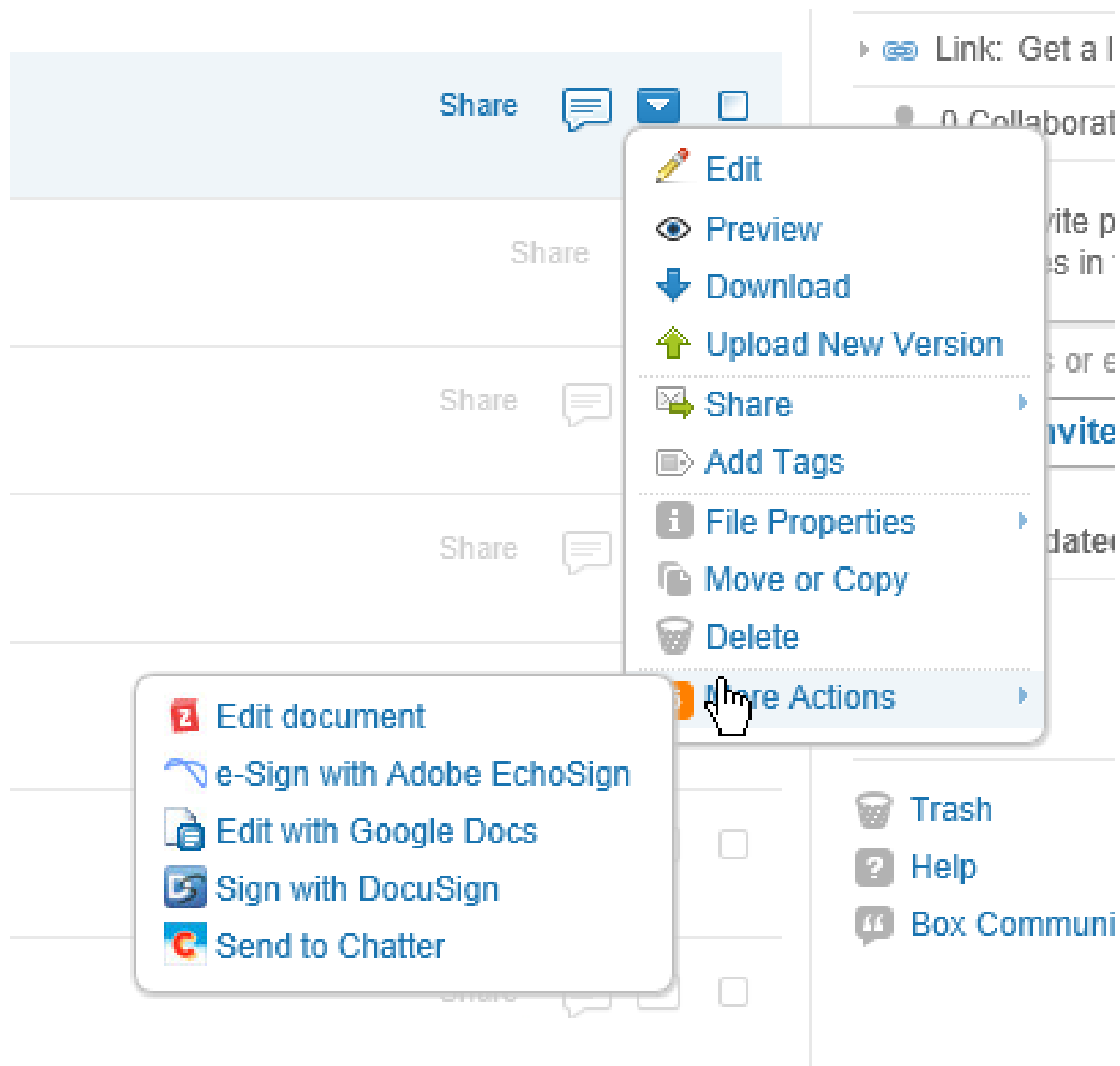
e-Sign with Adobe EchoSign

Edit with Google Docs

Sign with DocuSign

Send to Chatter

https://www.box.com/files#



One option in the second pop-up context menu is you can send the file over to your "Google Docs" account for editing. "Google Docs" works as a "Software As A Service" Web-based application that is "integrated" with the "Box" cloud storage service.

The "Box Drive" app creates a special local folder called "Box" in in "File Explorer" in a Windows.. computer or in "Finder" in a MacOS computer. This folder displays ALL of shortcuts that point to the files and folders that are currently stored up at the Box cloud storage service.

By default, the file and folder icons that you see inside the local "Box" folder are shortcuts that point to the files or folders that are stored up at the "Box" server farm instead of being the actual files and folders.

From inside the local "Box" folder in "File Explorer" in your computer, you can right click on any folder and make it "..available offline" but you cannot do so for individual files.

Do not confuse the various apps that Box offers:

"Box Sync" app is used for uploading files and folders and synchronizing files between a local "Box Sync" folder in "Windows or a MacOS computer AND the "Box" server farm. The "Box Sync" app can be downloaded and installed from

<https://community.box.com/t5/Using-Box-Sync/Installing-Box-Sync/ta-p/85>

Both the "Box Sync" app and the "Box Drive" app cannot both be installed into an specific Windows.. or MacOS computer:

For any specific Windows.. or MacOS computer, you can either install "Box Sync" or "Box Drive".

Both the "Box Sync" app and the "Box Drive" app cannot both be installed into an specific Windows.. or MacOS computer:

For any specific Windows.. or MacOS computer, you can either install "Box Sync" or "Box Drive".

"Box Edit" app is used for downloading files from the "Box" server farm and then automatically opening them in the default editing program that is already installed on your local "Windows.." PC or Mac running "OS X". See https://app.box.com/services/browse/official/box_edit

All Box "apps" occasionally update themselves:

Microsoft.Explorer.Notification.{0B43C818



Box Drive update complete

Box Drive has been updated to version 2.17.176.

12:06 AM



Box Drive update

Please wait. Box Drive is being update

12:05 AM



Report Card for "Box" (continued)

- If you drag a **file or folder** into the local "Box Sync" folder, a copy of the file will be uploaded to the top level "root" directory of your account at the "Box" server farm. However, if you delete the **file or folder** in the local "Box Sync" folder it will also be removed from the top level "root" directory of your account at the "Box" server farm.

- After uploading a local file up to the "Default Sync Folder" at the "Box" server farm, you should immediately move the new file to A "subfolder" location at the "Box" server farm, to prevent your actions in the local "Box Sync" folder in "Windows.." from inadvertently deleting the file.