Microsoft Windows 8.1 Create a zip compression

This presentation shows installing the 7zip program, downloading some files, creating a zip compression, and verifying the compression type.

Preuss
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

Recycle Bin

The presentation logs on to Windows 8.1.

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http://www.7-zip.org/

7-Zip

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LZMA SDK
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FAQ
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Links

7-Zip

Search

7-Zip is a file archiver with a high compression ratio.

Download 7-Zip 9.20 (2010-11-18) for Windows:

Link	Type	Windows	Size
Download	.exe	32-bit x86	1 MB
Download	.msi	64-bit x64	1 MB

Down ad 7-Zip 9.38 beta (2015-01-03) for Windows:

Type	Windows	Size
.exe	32-bit x86	1 MB
.msi	64-bit x64	1 MB

7-Zip 9.38 beta	2015-01-03
7-Zip 9.38 beta	

7-Zip 9.36 beta	2014-12-26
7-Zip 9.36 beta	

7-Zip 9.22 beta	2011-04-18
7-Zip 9.22 beta	

7-Zip 9.20	2010-11-18
History of 7-zip changes	

The presentation is using a 64 bit version of Windows. The presentation downloads the .msi file for 64 bit Windows. The presentation avoids beta versions for lab projects.

License

en source software. Most of the source code is under **GPL** license. The unRAR code is under a mixed license: unRAR restrictions. Check license information here: e.

You can use 7-Zip on any computer, including a computer in a commercial organization. You don't need to register or pay for 7-Zip.

The main features of 7-Zip

- High compression ratio in 7z format with **LZMA** and **LZMA2** compression
- Supported formats:
  - Packing / unpacking: 7z, XZ, BZIP2, GZIP, TAR, ZIP and WIM

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Name	Date modified	Type	Size
7z920-x64.msi	3/24/2015 3:34 PM	Windows Installer ...	1,345 KB

The presentation double clicks on the 7zip installer.

1 item

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Size

ller ... 1,345 KB

7-Zip 9.20 (x64 edition) Setup

Welcome to the 7-Zip 9.20 (x64 edition) Setup Wizard

The Setup Wizard will install 7-Zip 9.20 (x64 edition) on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

Back Next Cancel

1 item 1 item selected 1.31 MB

The presentation reads the screen and selects next.

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Size

ller ... 1,345 KB

7-Zip 9.20 (x64 edition) Setup

End-User License Agreement

Please read the following license agreement carefully

7-Zip Copyright (C) 1999-2010 Igor Pavlov.

Licenses for files are:

1) 7z.dll : GNU LGPL + unRAR restriction
2) All other files: GNU LGPL

The GNU LGPL + unRAR restriction means that
you must follow GNU LGPL rules and unRAR restriction rules.

☑ I accept the terms in the License Agreement

Back Next Cancel

The presentation reads the EULA (end user license agreement) and puts a check in the box.

The presentation selects next to continue.

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Downloads

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File Home Share View Manage

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Size

ller ... 1,345 KB

7-Zip 9.20 (x64 edition) Setup

Custom Setup

Select the way you want features to be installed.

Click the icons in the tree below to change the way features will be installed.

7-Zip
Program files
Localization files

The complete package.

This feature requires 0KB on your hard drive. It has 2 of 2 subfeatures selected. The subfeatures require 4689KB on y...

Location: C:\Program Files\7-Zip\

Browse...

Reset | Disk Usage | Back | Next | Cancel

The presentation makes no changes and selects next.

1 item 1 item selected 1.31 MB

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Downloads

Application Tools

File Home Share View Manage

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Favorites
Desktop
Downloads
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Network

Size

ller ... 1,345 KB

1 item 1 item selected 1.31 MB

7-Zip 9.20 (x64 edition) Setup

Ready to Install

The Setup Wizard is ready to begin

Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Back Install Cancel

The presentation reads the screen and selects next.

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User Account Control

Do you want to allow the following program from an unknown publisher to make changes to this computer?

Program name: C:\Users\Tim\Downloads\7z920-x64.msi
Publisher: **Unknown**
File origin: Hard drive on this computer

Show details

Yes

No

Change when t e notifications appear

The presentation selects Yes to allow the program to install.

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Network

Size

ller ... 1,345 KB

7-Zip 9.20 (x64 edition) Setup

Completing the 7-Zip 9.20 (x64 edition) Setup Wizard

Click the Finish button to exit the Setup Wizard.

Back Finish Cancel

1 item

The presentation selects finish to end the installation phase.

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Player

Apps by name

7-Zip

7-Zip File Manager
NEW

7-Zip Help

Paint

Remote Desktop Connection

Snipping Tool

Sound Recorder

Steps Recorder

Sticky Notes

Windows Fax and Scan

Windows Journal

Windows Media Player

WordPad

XPS Viewer

Windows Ease of Access

Magnifier

Narrator

On-Screen Keyboard

Windows Speech Recognition

Windows System

Command Prompt

Control Panel

Default Programs

File Explorer

Help and Support

Run

Task Manager

This PC

Windows Defender

Windows Easy Transfer

Windows PowerShell

The presentation sees 7zip is installed.

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Player

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http://brazil.minnesota.edu/csci1110/csci1110.html

brazil.minnesota.edu

Google

Informatics
CSCI 1110

These are the class materials for Mr. Preuss class at MSCTC Moorhead.

Download the class syllabus

Download the class schedule and assignment schedule

Download the iCalendar file for this class

Lab01

Lab02

Lab03

Lab04

Lab05

Lab06

Lab07

Lab08

Lab09

Lab10

Examples Link

The presentation goes to a web site to download some files.

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Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

Recycle Bin

http://brazil.minnesota.edu/csci1110/csci1110.html

brazil.minnesota.edu

Google

Informatics
CSCI 1110

These are the class materials for Mr. Preuss class at MSCTC Moorhead.

Download the class syllabus

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Ex

Open
Open in new tab
Open in new window
Save target as...
Print target

Cut
Copy
Copy shortcut
Paste

E-mail with Windows Live
Translate with Bing
All Accelerators

Inspect element

Add to favorites...

Properties

The presentation right clicks on a file and selects save target as ... This will download the file to the local system.

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Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

Recycle Bin

C:\Users\Tim\Documents\zip

File Home Share View

This PC ▸ Documents ▸ zip

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Desktop
Downloads
Recent places

SkyDrive

This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
DVD Drive (D:) IRM_

Network

Name	Size
1110l01.pdf	127 KB
1110l02.pdf	124 KB
1110l03.pdf	78 KB
1110l04.pdf	124 KB
1110l05.pdf	129 KB

The presentation downloaded files to a folder named zip on the local system.

5 items

3:42 PM
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Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

Apps by name

Help+Tips
Reader
Video
Internet Explorer
Reading List
Weather
Mail
Scan
Maps
SkyDrive
Music
Skype
News
Sound Recorder
PC settings
Sports
People
Store
Photos
Travel

7-Zip

7-Zip File Manager
NEW

7-Zip H

Paint

Remote Connec
Snippir
Sound
Steps R
Sticky N
Windov Scan
Windov
Windov Player
WordPa

The presentation opens/starts the 7zip File Manager.

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

C:\Users\Tim\Documents\zip\

File Edit View Favorites Tools Help

Add Extract Test Copy Move Delete Info

C:\Users\Tim\Documents\zip\

Name	Size	Modified	Attributes	Packed Size	Comment
1110l01.pdf	129 161	2015-03-24 15:38	A	129 161	
1110l02.pdf	126 367	2015-03-24 15:38	A	126 367	
1110l03.pdf	79 414	2015-03-24 15:38	A	79 414	
1110l04.pdf	126 974	2015-03-24 15:39	A	126 974	
1110l05.pdf	131 090	2015-03-24 15:39	A	131 090	

The presentation changes the current directory in 7zip to the directory with the files to zip.

1 object(s) selected | 129 161 | 129 161 | 2015-03-24 15:38

4 items

3:43 PM
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

C:\Users\Tim\Documents\zip\

File Edit View Favorites Tools Help

Add Extract Test Copy Move Delete Info

C:\Users\Tim\Documents\zip\

Name	Size	Modified	Created	Accessed	Attributes	Packed Size	Comme
1110I01.pdf	129			-24 15:38	A	129 161	
1110I02.pdf				-24 15:38	A	126 367	
1110I03.pdf	79			-24 15:38	A	79 414	
1110I04.pdf	126			-24 15:39	A	126 974	
1110I05.pdf	131			-24 15:39	A	131 090	

The presentation selects all the files to put into the zip compression.

5 object(s) selected | 593 006 | 129 161 | 2015-03-24 15:38

4 items

3:48 PM
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

C:\Users\Tim\Documents\zip\

File Edit View Favorites

Add Extract

C:\Use

Name

1110l01.pdf
1110l02.pdf
1110l03.pdf
1110l04.pdf
1110l05.pdf

5 object(s) selected

The presentation selects add to create the compression with all the selected files.

Add to Archive

Update mode:

Add and replace files

Options

Create SFX archive

Compress shared files

Encryption

Enter password:

Reenter password:

Show Password

Encryption method: AES-256

Encrypt file names

Number of CPU threads: 1 / 1

Memory usage for Compressing: 186 MB

Memory usage for Decompressing: 18 MB

Split to volumes, bytes:

Parameters:

OK Cancel Help

4 items

3:48 PM
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

C:\Users\Tim\Documents\zip\

File Edit View Favorites

Add Extract Test Copy

C:\Users\Tim\Docu

Name

1110l01.pdf
1110l02.pdf
1110l03.pdf
1110l04.pdf
1110l05.pdf

5 object(s) selected

4 items

Add to Archive

Archive: 1110.zip

Archive format: zip

Compression level: Normal

Compression method: Deflate

Dictionary size: 32 KB

Word size: 32

Solid Block size:

Number of CPU threads: 1 / 1

Memory usage for Compressing: 3 MB

Memory usage for Decompressing: 2 MB

Split to volumes, bytes:

Parameters:

Update mode: Add and replace files

Options

Create SFX archive

Compress shared files

Encryption

Enter password:

Reenter password:

Show Password

Encryption method: ZipCrypto

OK Cancel Help

The presentation changes the compression name as shown and the other options as shown.

Once all the options are correct, the presentation selects OK.

3:49 PM
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

C:\Users\Tim\Documents\zip\

File Edit View Favorites Tools Help

Add Extract Test Copy Move Delete Info

C:\Users\Tim\Documents\zip\

Name	Accessed	Attributes	Packed Size	Comme
1110.zip	2015-03-24 15:49	A	563 351	
1110l01.pdf	2015-03-24 15:38	A	129 161	
1110l02.pdf	2015-03-24 15:38	A	126 367	
1110l03.pdf	2015-03-24 15:38	A	79 414	
1110l04.pdf	2015-03-24 15:39	A	126 974	
1110l05.pdf	2015-03-24 15:39	A	131 090	

The new compress file is now shown.

5 object(s) selected | 593 006 | 129 161 | 2015-03-24 15:38

4 items

3:49 PM
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

C:\Users\Tim\Documents\zip\

File Edit View Favorites Tools Help

Add Extract Test Copy Move Delete Info

C:\Users\Tim\Documents\zip\

Name	Size	Modified	Created	Accessed	Attributes	Packed Size	Comme
1110.zip	563 3				A	563 351	
1110l01.p	129 1				A	129 161	
1110l02.p	126 3				A	126 367	
1110l03.p	79 4				A	79 414	
	126 9				A	126 974	
	131 0				A	131 090	

1 object(s) selected 563 3

4 items

The presentation right clicks on the file name. Then select properties for the file.

1110.zip Properties

General Security Details

1110.zip

Type of file: Compressed (zipped) Folder (.zip)

Opens with: Windows Explorer Change...

Location: C:\Users\Tim\Documents\zip

Size: 550 KB (563,351 bytes)

Size on disk: 552 KB (565,248 bytes)

Created: Today, March 24, 2015, 1 minute ago

Modified: Today, March 24, 2015, 1 minute ago

Accessed: Today, March 24, 2015, 1 minute ago

Attributes: Read-only Hidden Advanced...

OK Cancel Apply

This statement confirms the compression is a zip file.

3:50 PM
3/24/2015