

Windows 8.1 Calculate File Hash with Hasher

The presentation will download Alternate-Tools Hasher and calculate the hash for a file.

Preuss

3/12/2015



The presentation starts Windows 8.1.

Alternate Tools



Open Source

- Chord
- Dictionary
- File Shredder
- File Move
- HASH-Generator
- Pic View
- QR Code Generator
- WebKit Lite
- WebshopEngine Lite

Multimedia

- Font Export
- Pic View EXESlide
- Pic View Lite
- Quick Audio

System tools

- Dll Analyzer

Deutsche Version

This site contains several or open source.

Read this before using the

- You are allowed to copy and distribute these applications to anyone you want. But you must keep the original author's name and give them to this applications.
- None of these programs are responsible for any damage to your browser-settings, phone home or have a look at your addressbook, conversations)
- Always create backups of files that are important to you before modifying them

Changes:

- 465. Update: Pic View 1.927, Timer 3.200 (11.03.2015)
- 464. Update: Password DB 1.870, Directory 3.230, Archiver 2.815 (10.03.2015)
- 463. Update: ExeSlide 1.810, WebKit 0.991 (09.03.2015)
- 462. Update: Pic View 1.920 (08.03.2015)
- 461. Update: FTP 1.025 (05.03.2015)

Using a browser, the presentation goes to the Alternate-Tools web site.

ows platforms as freeware

ke to and give them to this applications. browser-settings, phone addressbook, conversations)

Alternate HASH-Generator



Open Source

- Chord
- Dictionary
- File Shredder
- File Move
- HASH-Generator**
- Pic View
- QR Code Generator
- WebKit Lite
- WebshopEngine Lite

This program allows you to generate HASH-values (check sums) out of a string or a file. Open Source (MSVC++ 2005).

Available alogithms:

- MD2
- MD4

The presentation selects the HASH-Generator link to arrive at this page.

- SBDM

Changes in this version:

- added KECCAK/SHA-3 and MD4

Multimedia

- Font Export
- Pic View EXESlide
- Pic View Lite
- Quick Audio

System tools

- Dll Analyzer

- Firebird Copy
- FTP
- LDAP
- Secure System
- Task Manager
- Filehandling**
- Archiver
- Directory
- EXE Packer
- Splitter
- Texthandling**
- Calculator
- MathSolver
- Memo
- Password DB
- Textbrowser
- Timer
- Translation KIT
- Games**
- Dices
- Snakes

Versionnummer: **1.330**
 Filesize: **762.43 KB**
 Date: **29.12.2014**
 Supported operating systems: **Windows NT 4, 95, 98, Me, 2000, XP, Server 2003, Vista, Server 2008, 7, 8, 8.1**
 Languages included: **English, german**
 Current Downloads: **1386**

The presentation selects the Start download of Alternate HASH-Generator button.

Start download of Alternate HASH-Generator

The screenshot shows the 'Alternate HASH-Generator' application window. It features a list of algorithms on the left, including SHA-2(224), MD4, MD5, SHA-1, SHA-2(256), SHA-2(384), SHA-2(512), KECCAK(224), KECCAK(256), KECCAK(384), KECCAK(512), AK, and BKDR. The 'SHA-2(224)' algorithm is selected. On the right, there are input fields for 'Dateiname' and 'Text-Zeichenkette', and a 'HASH-Wert' field containing '2a3a2bc9476102bb208234e415a2b01f820e'. Buttons for 'HASH aus Datei erzeugen', 'HASH aus Text erzeugen', 'Kopieren', and 'Vergleichen' are visible.

System tools

- DLL Analyzer
- Firebird Copy
- FTP
- LDAP
- Secure System
- Task Manager

Filehandling

- Archiver
- Directory
- EXE Packer
- Splitter

Texthandling

- Calculator
- MathSolver
- Memo
- Password DB
- Textbrowser
- Timer
- Translation KIT

Changes in this version:
- added KECCAK/SHA-3 and MD4

Versionnummer: 1.330
Filesize: 762.43 KB
Date: 29.12.2014

Support: Windows XP, Server 2003, Vista, Server 2008

Opening Hasher.exe

You have chosen to open:

Hasher.exe
which is: Binary File (762 KB)
from: http://www.alternate-tools.com

Would you like to save this file?

Save File Cancel

The presentation selects the option Save File.



Algorithmus: SHA-2(224)

Dateiname: []

Text-Zeichenkette: []

HASH-Wert: a3a2bc9476102bb200234c415a2b01f20e

Erwarteter HASH-Wert: []

Buttons: Info, HASH aus Datei erzeugen, HASH aus Text erzeugen, Kopieren, Vergleichen



Downloads

File Home Share View

This PC > Downloads

Name	Date modified	Type	Size
Hasher	3/12/2015 3:43 PM	Application	763 KB

1 item

The presentation goes to the Downloads folder on the local machine. The presentation starts the Hasher install from this folder.

The presentation allows the program to make changes.

User Account Control

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

Program name:	Hasher.exe
Publisher:	Unknown
File origin:	Hard drive on this computer

Show details Yes No

[Change when these notifications appear](#)

- Recycle Bin
- Google Chrome
- Mozilla Firefox
- Mozilla Thunderbird

The presentation selects an installation language.

Select Setup Language

Select the language to use during the installation:

English

OK Cancel

- Recycle Bin
- Google Chrome
- Mozilla Firefox
- Mozilla Thunderbird

The presentation continues the installation.

Setup - Alternate HASH-Generator

Welcome to the Alternate HASH-Generator Setup Wizard

This will install Alternate HASH-Generator 1.330 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

The presentation accepts the license agreement and continues.

Setup - Alternate HASH-Generator

License Agreement

Please read the following important information before continuing.



Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.

1. User Agreement

1.1 Freeware

This program is freeware. That means, you can copy it as often as you want and give it to any persons you'd like to.

BUT: You are not allowed to sell or rent this application!!

- I accept the agreement
- I do not accept the agreement

< Back

Next >

Cancel



Mozilla Firefox



Mozilla Thunderbird



3:44 PM
3/12/2015



The presentation continues the installation in the suggested folder.

Setup - Alternate HASH-Generator

Select Destination Location
Where should Alternate HASH-Generator be installed?

Setup will install Alternate HASH-Generator into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

At least 2.1 MB of free disk space is required.

< Back Next > Cancel



The presentation accepts the default settings and continues.

Setup - Alternate HASH-Generator

Select Start Menu Folder
Where should Setup place the program's shortcuts?

Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

< Back Next > Cancel



The presentation accepts the default settings and continues.

Setup - Alternate HASH-Generator

Select Additional Tasks
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing Alternate HASH-Generator, then click Next.

Additional icons:

- Create a desktop icon
- Create a Quick Launch icon

< Back Next > Cancel

The presentation begins the installation.



Recycle Bin



Google Chrome



Mozilla Firefox



Mozilla Thunderbird

Setup - Alternate HASH-Generator

Ready to Install
Setup is now ready to begin installing Alternate HASH-Generator on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination location:
C:\Program Files (x86)\Alternate\HASH-Generator

Start Menu folder:
Alternate\HASH-Generator

Additional tasks:
Additional icons:
Create a desktop icon

< Back Install Cancel

The presentation reads the important information and continues.



Recycle Bin



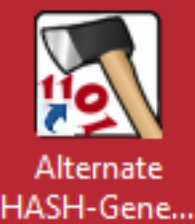
Google Chrome



Mozilla Firefox



Mozilla Thunderbird



Alternate HASH-Generator

Setup - Alternate HASH-Generator

Information
Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

Alternate HASH-Generator changes

1.330 (29.12.2014)
-> DPI bugfix
-> New 256x256px icon added

1.320 (23.12.2014)
-> Ini file-handler bugfix
-> New icon 48x48
-> UninstallCleanup V1.200 added

1.310 (28.10.2014)
-> Installer correction, minor internal code changes

Next >

The presentation accepts the default setting and finishes the installation.

- Recycle Bin
- Google Chrome
- Mozilla Firefox
- Mozilla Thunderbird
- Alternate HASH-Gener...

Setup - Alternate HASH-Generator

Completing the Alternate HASH-Generator Setup Wizard

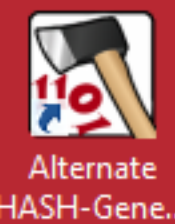
Setup has finished installing Alternate HASH-Generator on your computer. The application may be launched by selecting the installed icons.

Click Finish to exit Setup.

Launch Alternate HASH-Generator

< Back Finish

The program is successfully running.



Alternate HASH-Generator [Close]

Algorithm: [Info]

Filename: [Browse] [Get HASH from file]

String: [Get HASH from string]

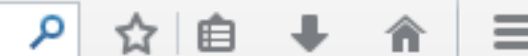
HASH value: [Copy]

Expected HASH value: [Compare]

http://brazil.mi...0/csci1110.html x +

brazil.minnesota.edu/csci1110/csci1110.html

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](#)

The presentation goes to a web site to download a file with a hash calculation.



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[Lab01](#)

[Lab](#)

[Lab](#)

[Lab](#)

[Lab](#)

[Lab](#)

[Lab07](#)

[Lab08](#)

[Lab09](#)

[Lab10](#)

- Open Link in New Tab
- Open Link in New Window
- Open Link in New Private Window
- Bookmark This Link
- Save Link As...
- Copy Link Location
- Search Google for "Lab01"
- Inspect Element (Q)

The presentation right clicks on a file link. The presentation selects Save Link As ...

The presentation saves the file on the local system.

[View all file hash calculations](#)

[Download the md5 hash for all files in a Linux file.](#)

[Download the sha1 hash file for all files in a Linux file.](#)

[Download the sha512 hash file for all files in a Linux file.](#)

[Names List 1](#)

[Names List 2](#)

[Names List 3](#)

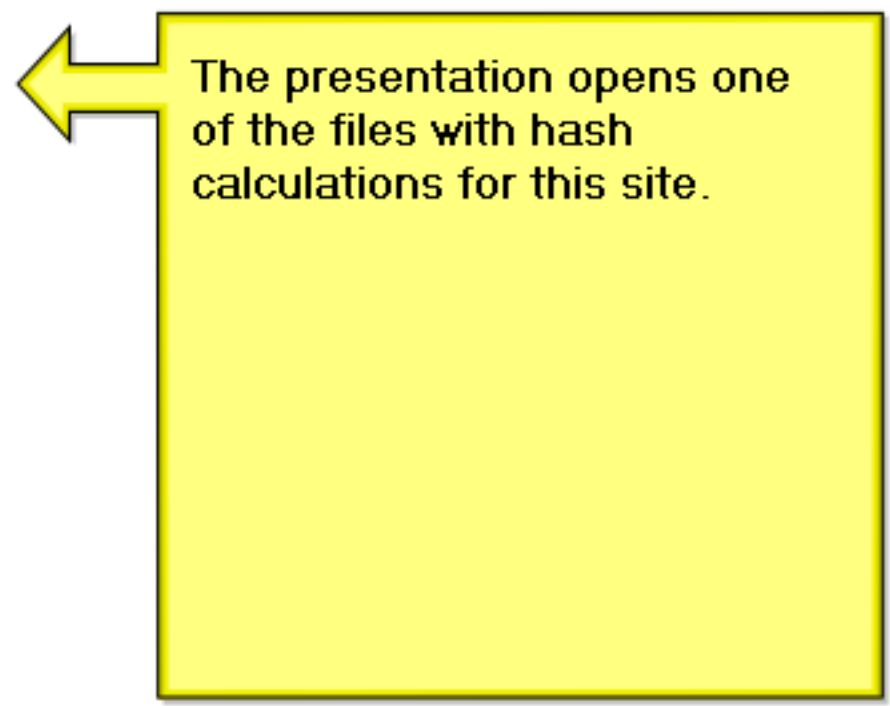
[Download the class OpenSUSE VM](#)

The class OpenSUSE VM is ~14 GB compressed in a zip file. The zip file contains three files designed to work with VMware.

[Class VM Hash Value](#)

Send e-mail to [Mr. Preuss](#)

[Return to Home Page](#)



The presentation opens one of the files with hash calculations for this site.

Hashes

File	1110a.pdf
MD5	9D4EF43C B173941F B487AC6D 736DE466
SHA1	F0C5435D A3AFF1CE FEB0086E B9D303C2 5827E21C
SHA512	A358ACBB 188E8105 3C144B07 0B66763B 37501011 6F232E20 37D4509C 6143732C 8B8F3CA9 9262D47E F3C65386 CA49C0CE A7EBAC40 2125EA37 3CB249CD 324AA20B

File	1110hash.htm
MD5	D41D8CD9 8F00B204 E9800998 ECF8427E
SHA1	DA39A3EE 5E6B4B0D 3255BFEE 95601890 AFD80709
SHA512	CF83E135 7EEFB8BD F1542850 D66D8007 D620E405 0B5715DC 83F4A921 D36CE9CE 47D0D13C 5D85F2B0 FF8318D2 877EEC2F 63B931BD 47417A81 A538327A F927DA3E

File	1110ics-md5.txt
MD5	18457E31 469950D1 9B3E4145 AE8C5886
SHA1	9D7B12A8 26F0DB5A 5C39124A BFA902D9 B313700F
SHA512	7C5C8D93 C3559044 370EB07B 8C215499 999405DA D9B41F9C EED571A4 8524F66A 915845AD 049D697F 5010CC98 E297B656 6805D8CC C6B71AAB 8C92D9BB 0ECBA9D2

File	1110l01.pdf
MD5	9FDD7EAB 233C3D76 E0D6C5F3 B9E28137
SHA1	6883B81A 7A8181FC 02145356 6955D781 A4273609
SHA512	A59F66FD ADC309B8 4813A159 4A054551 EFF6F43E 31A... 08 EFBFEE8E AC2F20F8 7CE979CA 97B68A2C 51554F5A 30252993

The presentation copies the md5 hash for the downloaded file.

File	1110l02.pdf
MD5	F4BB86AD 8C25E23C 3072457D 1D1E44D0
SHA1	8697E34E 21113070 54D50C44 EBDF644E 079A8B45
SHA512	C20E8D6C 7C4A941D CE55ED67 899240AF 261E47D7 353... 36 E3E3B536 2F3BBE3D 47D60793 0476C56B 76DFEDD4 F8BD6F8E

File	1110l03.pdf
MD5	11FCA946 A28FDEEB C8151C68 3057C4A0
SHA1	3274F723 F276D634 E28E64CF 51054566 73FB9006



Alternate HASH-Generator

Algorithm: MD5

Filename: [Empty] ...

Buttons: Info, Get HASH from file, Get HASH from string, Copy, Compare

The presentation opens Alternate HASH-Generator.

The presentation changes to algorithm to match the algorithm of the answer from the web site.

The presentation selects the ... button to locate the file.

- Recycle Bin
- Google Chrome
- Mozilla Firefox
- Mozilla Thunderbird
- Alternate HASH-Gener...

Open

Look in: Downloads

Name	Date modified	Type
<input checked="" type="checkbox"/> 1110I01	3/12/2015 3:47 PM	PDF File
<input type="checkbox"/> Hasher	3/12/2015 3:43 PM	Applicatio...

Recent places: Desktop, Libraries, This PC, Network

File name: 1110I01

Files of type: All files (*.*)

Open as read-only

Open Cancel

- Algorithm
- Filename
- String
- HASH value
- Expected...

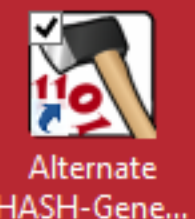
Info

m file

n string

e

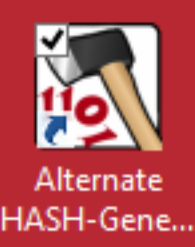
The presentation selects the downloaded file and selects open.



Alternate HASH-Generator

Algorithm	MD5	Info
Filename	C:\Users\al\Downloads\1110I01.pdf	Get HASH from file
String		Get HASH from string
HASH value		Copy
Expected HASH value	9FDD7EAB 233C3D76 E0D6C5F3 B9E28137	Compare

The presentation pastes the md5 hash answer from the web site in this box.




Alternate HASH-Generator

Algorithm	MD5	Info
Filename	C:\Users\al\Downloads\1110I01.pdf	Get HASH from file
String		Get HASH from string
HASH value	9fdd7eab233c3d76e0d6c5	
Expected HASH value	9FDD7EAB 233C3D76 E0D	

The presentation selects Get HASH from file to calculate the file hash.

- Recycle Bin
- Google Chrome
- Mozilla Firefox
- Mozilla Thunderbird
- Alternate HASH-Gene...

 The HASHes are NOT identical!
[OK]

Algorithm	MD5	[Info]
Filename	C:\Users\al\Downloads\1110I01.pdf	[...]
String		
HASH value	9fdd7eab233c3d76e0d6c5f3b9e28137	[Copy]
Expected HASH value	9FDD7EAB 233C3D76 E0D6C5F3 B9E28137	[Compare]

[Get HASH from file] [Get HASH from string]

The presentation selects the compare button to see if the numbers match.