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What is the best program for ultra compressing files?

3 Answers

Matt Mahoney, Developed PAQ and ZPAQ. Maintains the Large Text Benchmark and others. On the Hutter Prize committee.
Updated 1 year ago · Author has **363** answers and **1.6M** answer views

If you care only about compression ratio and nothing else, then the best program is *cmix*, a PAQ based program by Byron Knoll. It is top ranked on both the Large Text Compression Benchmark 🔗 and the Silesia Open Source Compression Benchmark 🔗. Beware, however, that it requires a computer with at least 32 GB of RAM and it will take over 3 days to compress or decompress a 1 GB file on a Core i7-3770.

As always, there is a 3 way trade off between speed, memory, and compression ratio. The above benchmarks might help you pick a reasonable compromise.

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Sohil Momin, Medical officer at Pioneer Homoeopathic (2013-present)
Answered 11 months ago

There are different results for different files..

Audio files use Opus encoder

Video files Use x.h265

Game files use 7zip, UltraArc, Razortools, Blackbox Scripts

General use for documentas backup office files is 7zip or winrar

If yoj have supercomputer h can use some progrqms like kgb archiver otherwise they r of no uae on daily basis

Some old programs thaf were once good but now vlosed down are

Nanozip

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zStandard

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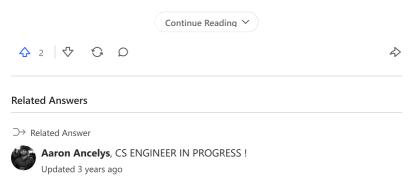**Quora**   🔍 Search for questions, people, and topics

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Praveen Pathak, former Cricketer
Answered 4 years ago

Programs like KGB archiver are very good in compressing files.But compressing depends on the type of file.Media files compress to less extent as compared to documents and other files.
Try KGB archiver once..it takes more time to compress files but surely gives a better compression ratio..

Now comes the ISO file.I am recently seeing "Super Compressed" ISO files which have

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Aaron Ancelys, CS ENGINEER IN PROGRESS !
Updated 3 years ago

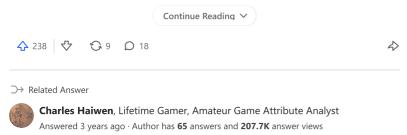**How do I highly compress files using winrar?**
OK, so I use this technique usually and it helped me reduce a **900mb ISO file to a 3mb** .rar file.

Yes, you heard it right a 900mb file to a mere 3mb file, but do remember that this totally depends on the type of file.

Let me break this into 2 parts.
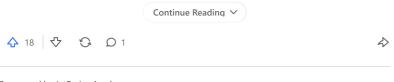
Part 1 : Configuring the Winrar settings.

- **Step 1 :** Open the winrar application.

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Charles Haiwen, Lifetime Gamer, Amateur Game Attribute Analyst
Answered 3 years ago · Author has **65** answers and **207.7K** answer views

How can I compress large 20 GB game files into 100-600 MB?
It's practically impossible. The most common methods of compressing files, which are through ZIP or RAR files, simply don't have the raw compressing power that you'd like it to have.

If you're compressing a 20 GB game, you're likely going to get it down to about 5 GB at best, and even that's a very generous estimate. A more accurate compression is

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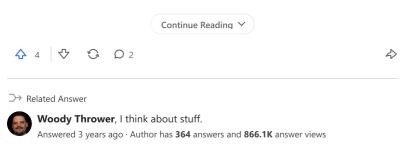

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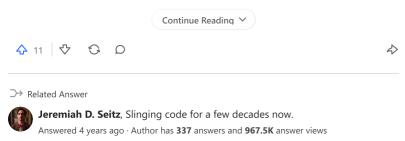**How do I compress 500GB into only 20GB?**

You can't, in general.

It's possible, but not likely, that your 500GB of data happens to be highly compressible, in which case you might be lucky and you might be able to compress it down to 20GB. This would only be the case if you had 500GB of plain text files, for example, or web server log files (which are just plain text), or BMP image files, which

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Woody Thrower, I think about stuff.
Answered 3 years ago · Author has **364** answers and **866.1K** answer views

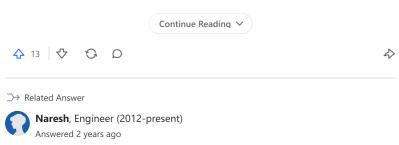**How can I highly compress files with WinRAR like 1GB to 25 or MB?**

Compression *basically* works by finding recurring patterns, giving those patterns names, then storing those patterns once along with their names. Then anywhere the pattern would have occurred, it just inserts the (much smaller) name. (Technically the names are actually numbers.)

If a file has a lot of repeating patterns (high redundancy, low entropy), it can be

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Jeremiah D. Seitz, Slinging code for a few decades now.
Answered 4 years ago · Author has **337** answers and **967.5K** answer views

Can KGB archiver really compress a 1GB file to 1MB? Is it fake?

Theoretically, yes, but most files don't contain that much redundant data. Start from the simplest case where the input bytes are all the same, let's just assume all zeroes for this example. Now, think of how you could represent that data in the least amount of space. Ignoring certain optimizations and using whole bytes, the answer is 5. One

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Naresh, Engineer (2012-present)
Answered 2 years ago

How do I compress 1 GB of movies in 100 MB?

let understand first each video nothing but merging of number of frames (i,e normal videos are frame rate are 30 frames/sec),if the duration of video is 1 hr that mean total number of frames =30* duration sec =30*1*60*60 =108000 frames, memory of the video is 1 GB = 108000 frames.

now consider every 10th frame stored it in folder so that at the end you the number of frames are 108000/10 = 10800 ,in terms of memory 1GB/10 =100MB, then make video use of 10800 frames.

*** note: i,e taking 3 frames per sec is ok for movie, every 1/3 sec there is no much change in the image.
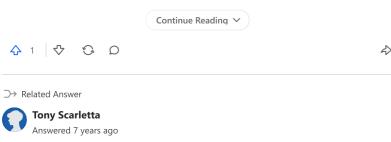
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Answered 4 years ago

How can someone compress a 20 GB game to 5 MB?

Originally Answered: How can someone compress a 20 GB game to 5 MB ?

Cannot be done and run thereafter, compression involves codec i.e. compression and decompression also the format gets changed to accommodate changes .wav to .mp3 or .vob to .mp4 whereas the actual quality of sound and or video is lowered to
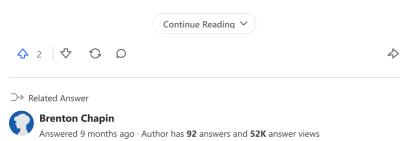
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Tony Scarletta
Answered 7 years ago

How do I "highly compress" the large files?

Originally Answered: How do I "highly compress" the large files? What software will do that? I have seen files with .rar extension of some MB and when extracted they form upto 5-6 GB, How is that possible?
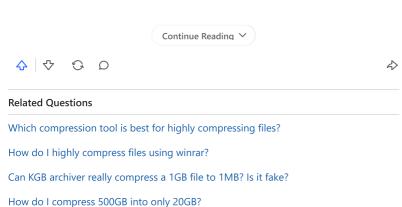
It really depends on what you want to compress. Imagine a .txt file with a lot of 1's inside. This would be a really huge .txt file, let's say 6GB. What tools like 7zip, WinRar, ... do is, they search for patterns inside the file and replace them with smaller symbols, e.g. 'z' would be the pattern 'print()' and save there frequency, etc. For the .txt example, it would only save that is a .txt file with 10^100 1's (or something like this).

This would look like this inside the files:
.rar file:

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Brenton Chapin
Answered 9 months ago · Author has **92** answers and **52K** answer views

How do I compress 100 TB files to 1 GB?

This kind of question shows why I do not like the term "data compression". It gives the impression that by spending more time and effort, data can somehow be squeezed harder. It is not a matter of writing with smaller letters, or some other way of increasing the density of data upon a medium.

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