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## [GUIDE] How to dump clean/untouched images from CD discs

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### [GUIDE] How to dump clean/untouched images from CD discs

Wed Jul 17, 2013 10:07 am

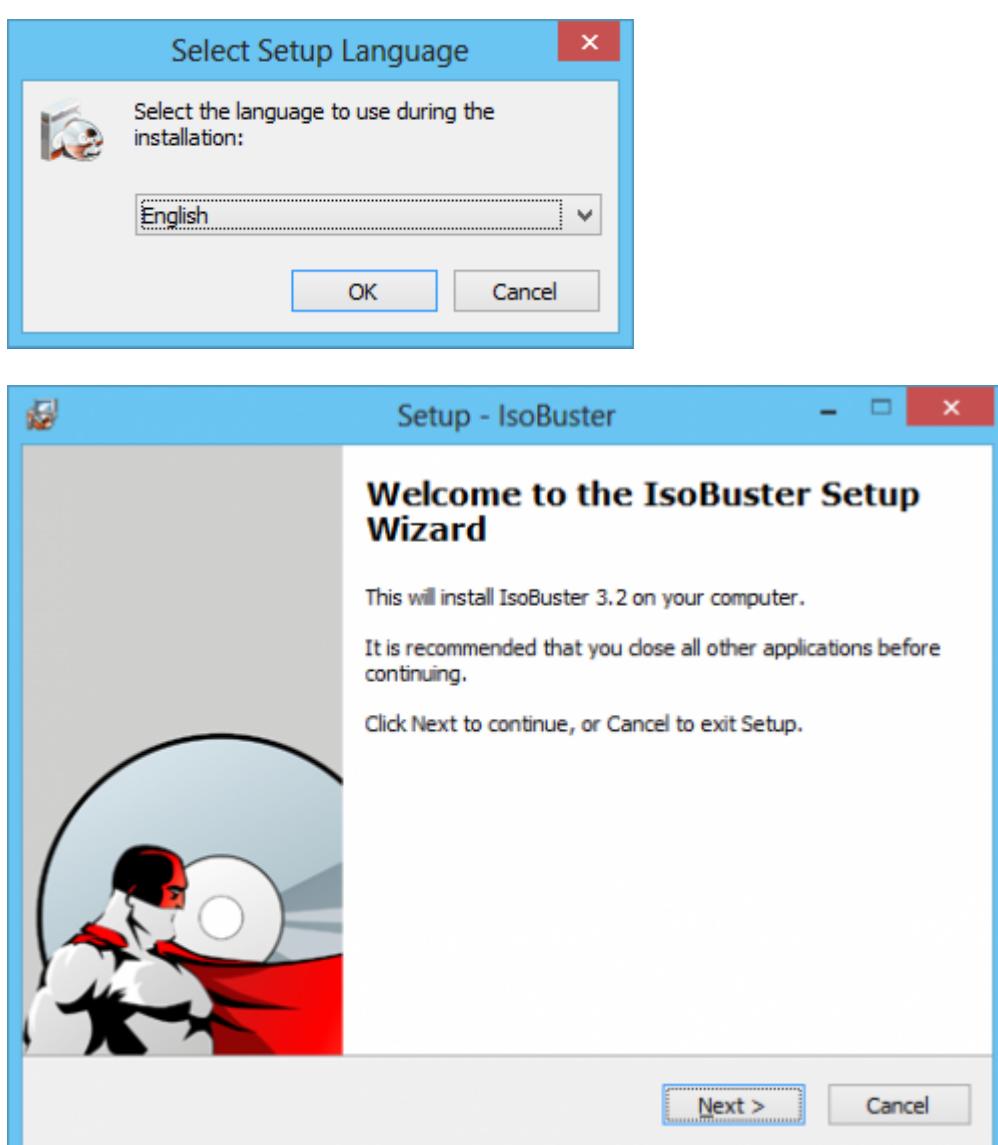
In this tutorial I will explain how make untouched and clean CD rips, and preserve them. It's really useful to get the original media. You can do this using ISO Buster, even the free version will go.

I hope my steps are easy and wish you a successful dump.

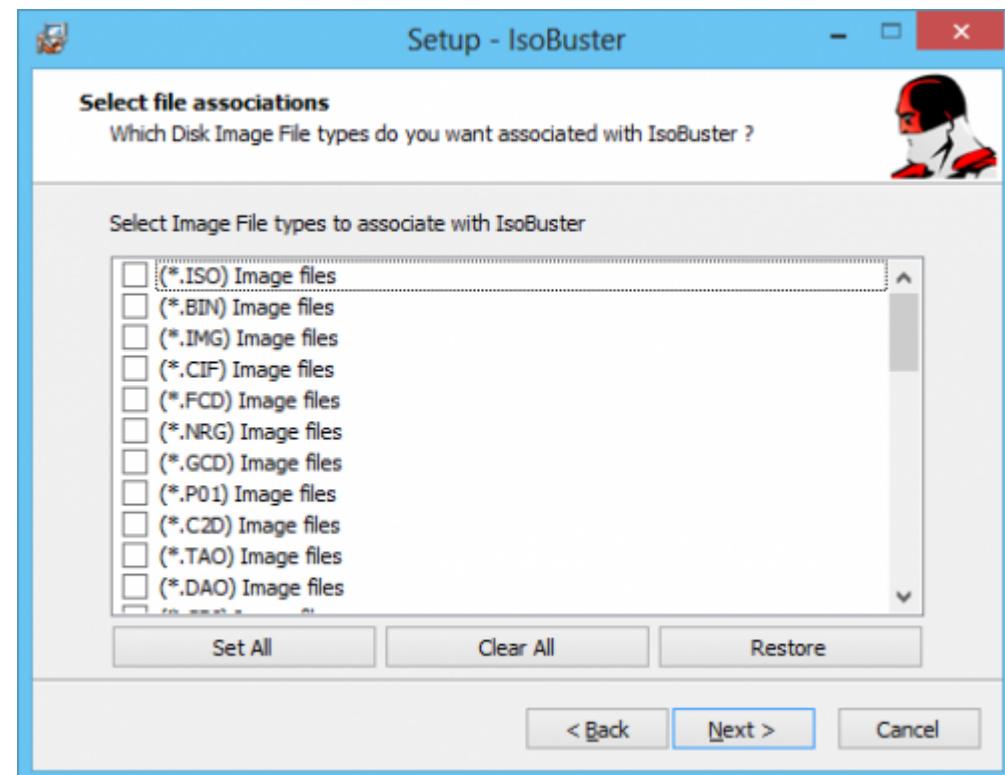
Step 1. Download ISO Buster from this link: <http://www.isobuster.com/download.php>

The screenshot shows a web browser window with the URL 'www.isobuster.com/download.php'. The page title is 'IsoBuster' and it says 'The Ultimate Data Recovery Software'. On the left, there's a sidebar with links like 'Product Details', 'Reviews', 'Testimonials', 'Screenshots', 'Buy Now', 'Download' (which is highlighted), 'News', 'Tips & Tricks', 'Online Help', and 'Support / Contact'. The main content area has a heading 'Download IsoBuster 3.2'. It says 'This download version contains:' followed by a bulleted list: 'All up to date language plug-ins (See here!)', 'A multi-language installation wizard', and 'An English Help file'. It also mentions 'A download of approximately 4.2 MB'. There's a large 'Download IsoBuster' button with a download icon. Below the button, there's a note about mirrors and a list of four download links from different mirrors.

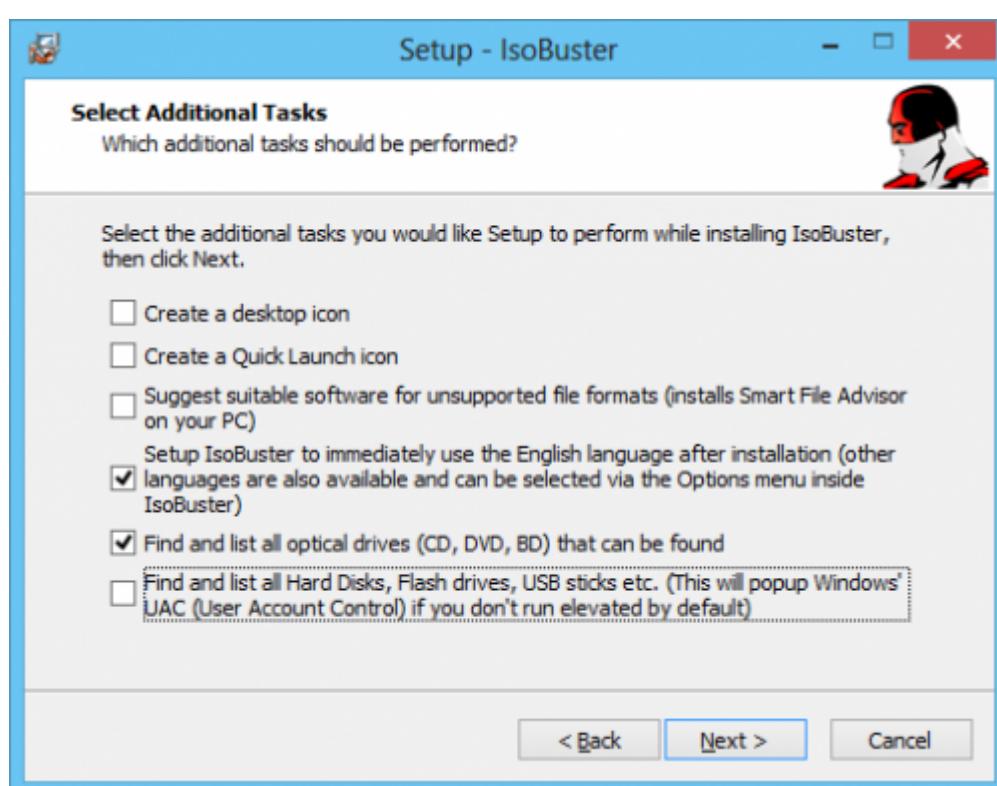
Step 2. Open the EXE file and follow the instruction for installation.



Step 3. You don't have to associate anything with ISOBuster, so you can just skip that.



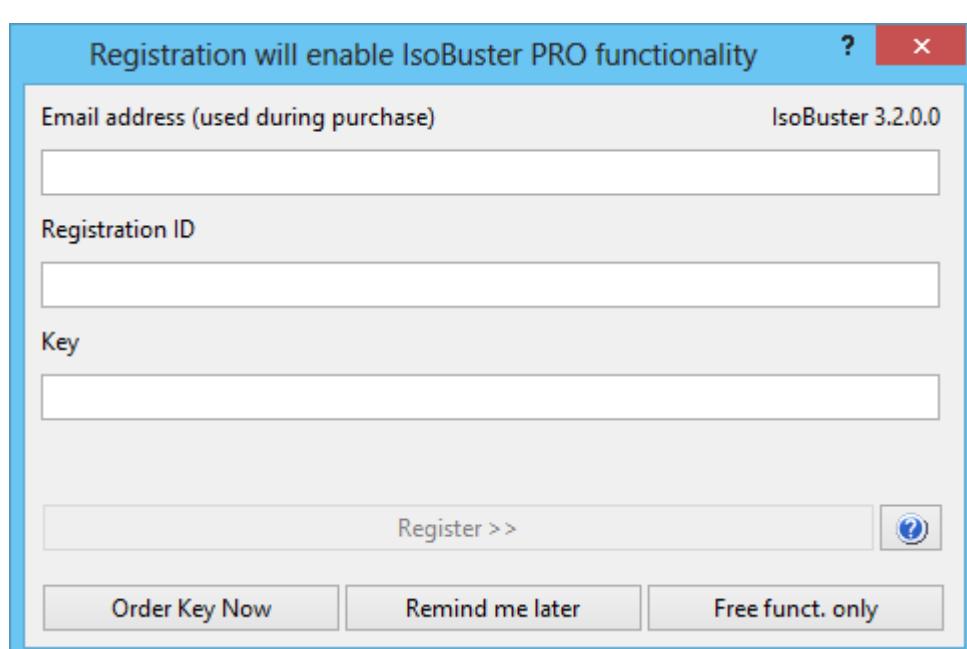
Step 4. Tick the ticks as shown (recommended).



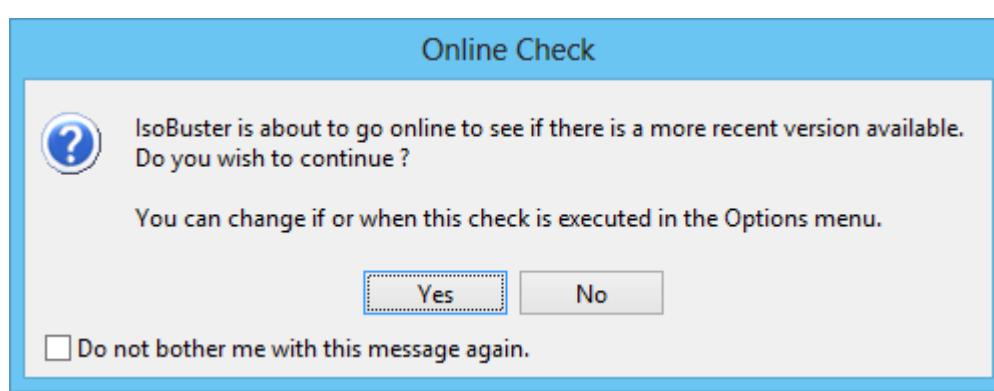
Step 5. I suggest you NOT install the Toolbar, because it's Adware.



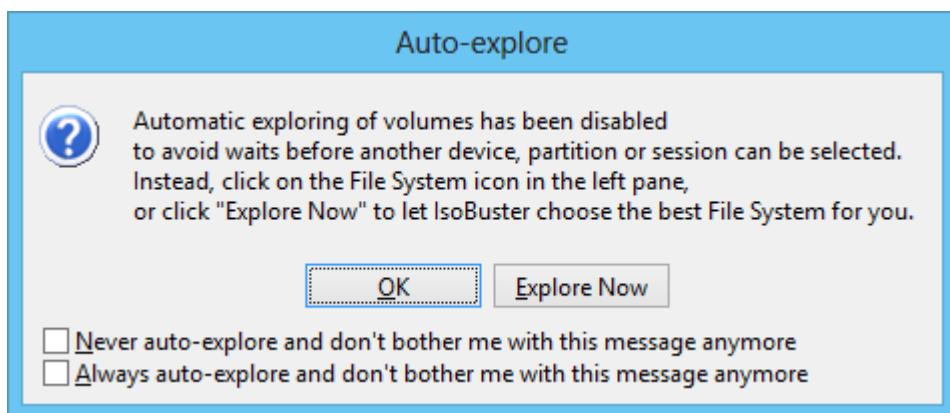
Step 6. After the installation, run ISOBuster and select "Free funct. only".



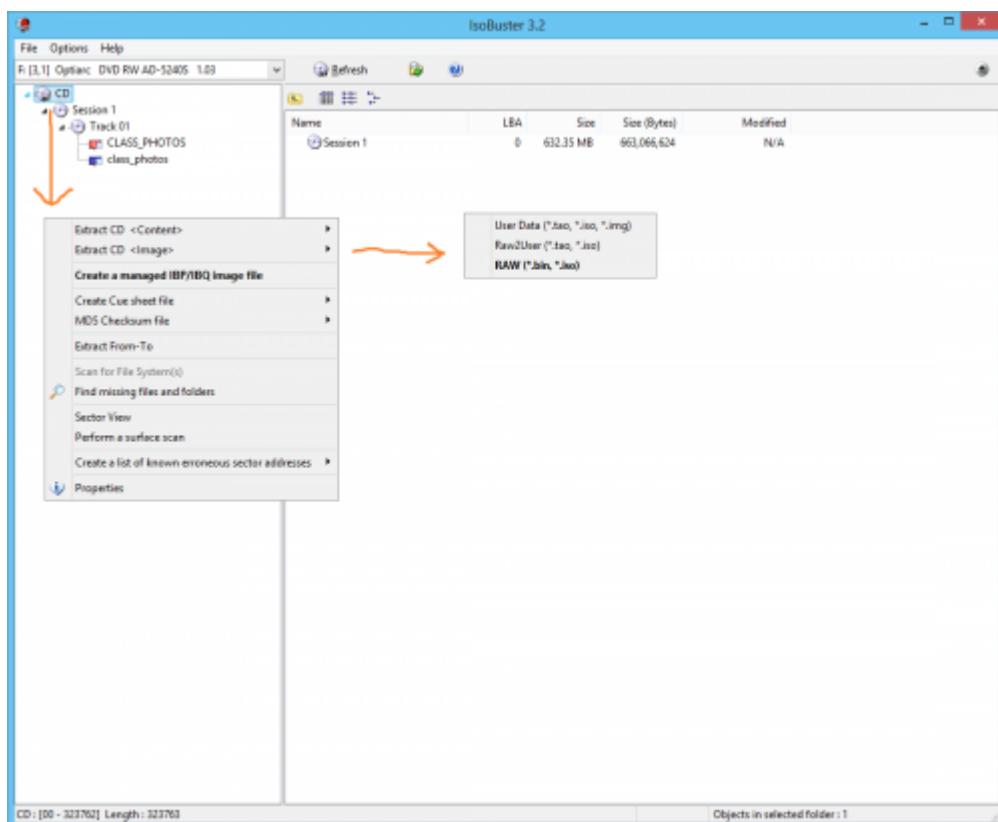
Step 7. A dialog box about updates will pop up, select any option you prefer.



Step 8. Insert a CD to be dumped (DVDs are **not** dumped clean by ISO Buster, so keep that in mind).



Step 9. Another dialog box will pop up, press OK.



Step 10. In the main interface window, select "CD" and right-click it.

Step 11. Select "Extract CD <Image>" and then choose "RAW (\*.bin, \*.iso)".

Step 12. Press "Not now" to put a roof over the developers' heads later.



Step 13. Save the ISO file to any empty folder.

Step 14. Wait until it finishes. If a sector error message pops up, press Retry until it works. If it still doesn't, clean the CD with a tissue or something else and try again.

Step 15. Save the CUE file into the same folder.

Step 16. Done! Now you can archive the folder and upload it to places.

Thanks for reading the tutorial. Next time I'll explain how to make clean rips of DVD-5 and DVD-9. 😊

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**Darkstar**  
 Donator



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Wed Jul 17, 2013 12:06 pm

A nice and helpful guide.

However, I think you should notice that this only works cleanly for pure data CDs. As soon as the discs contain audio tracks you will get different dumps depending on your CD drive make/model. So it will probably be "good enough" to upload and preserve it for yourself, but you will get mismatches if you try to match the checksum of your image to that of other people.

Some more info [here](#)

-Darkstar

I upload stuff to archive.org from time to time. See [here](#) for everything that doesn't fit BA

**George\_528**



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Wed Jul 17, 2013 12:09 pm

Great tutorial. Thanks for this! 😊

**Main Client Operating System: Windows 8 Pro x64**

**Main Server Operating System: Windows Home Server 2011 with Update Rollup 4 on Desktop Computer**

Computer addict, Web Designer and Advanced Programmer.

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## Re: [GUIDE] How to dump clean/untouched images from CD discs

Wed Jul 17, 2013 12:13 pm

**Darkstar wrote:**

A nice and helpful guide.

However, I think you should notice that this only works cleanly for pure data CDs. As soon as the discs contain audio tracks you will get different dumps depending on your CD drive make/model. So it will probably be "good enough" to upload and preserve it for yourself, but you will get mismatches if you try to match the checksum of your image to that of other people.

Some more info [here](#)

-Darkstar

Yes, true, I forgot to mention that. The redump guide should help in those cases then.

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**mrpijey**



Administrator



## Re: [GUIDE] How to dump clean/untouched images from CD discs

Wed Jul 17, 2013 4:03 pm

When it comes to proper dumps without the frills of going through shareware software, nag screens etc I would rather recommend ImgBurn for creating the images. It can then create the proper ISO and even dump multisession discs when needed, and it dumps DVD media as well. And far simpler to use since it cuts the clicks needed by half. However none of these deal with real annoyances such as sector-based copy protections, for that you need a whole set of different tools (Blindread, Alcohol120%, CloneCD etc etc).



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The Distractor



## Re: [GUIDE] How to dump clean/untouched images from CD discs

Wed Jul 17, 2013 4:29 pm

**mrpijey wrote:**

When it comes to proper dumps without the frills of going through shareware software, nag screens etc I would rather recommend ImgBurn for creating the images. It can then create the proper ISO and even dump multisession discs when needed, and it dumps DVD media as well. And far simpler to use since it cuts the clicks needed by half. However none of these deal with real annoyances such as sector-based copy protections, for that you need a whole set of different tools (Blindread, Alcohol120%, CloneCD etc etc).

Yeah, I usually use imgburn to ISO disks.



**LiPolymer**



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Thu Jul 18, 2013 8:12 am

Just in case there are some Linux/Unix-Users: Use dd for the same result:

**CODE: SELECT ALL**

```
dd if=/dev/cdrom of=/path/to.iso
```

this works with partitions or hard drives, too.

LiPolymer



**sdawnc!**



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Sun Nov 03, 2013 3:43 pm

I discouraged the use of linux command "dd" to dump images from CD-ROM.

The following is an example picture shown the metadata on the CD-ROM.



If you use dd to create iso for the CD-ROM ,these metadata info on the data track, like Volume ID, Publisher,

Data Preparer, Volume Set ID ... will be LOST!!!

For 100% abandonware preservation purpose, please do not use dd command to create ISOs!

James



## Re: [GUIDE] How to dump clean/untouched images from CD discs

Tue Nov 05, 2013 1:55 am

sdawncl wrote:

I discouraged the use of linux command "dd" to dump images from CD-ROM.

The following is an example picture shown the metadata on the CD-ROM.



If you use dd to create iso for the CD-ROM ,these metadata info on the data track, like Volume ID, Publisher, Data Preparer, Volume Set ID ... will be LOST!!!

For 100% abandonware preservation purpose, please do not use dd command to create ISOs!

Then what do you suggest for Linux? 😊

ctg60



## Re: [GUIDE] How to dump clean/untouched images from CD discs

Tue Nov 05, 2013 4:50 am

James wrote:

sdawncl wrote:

If you use dd to create iso for the CD-ROM ,these metadata info on the data track, like Volume ID, Publisher, Data Preparer, Volume Set ID ... will be LOST!!!  
For 100% abandonware preservation purpose, please do not use dd command to create ISOs!

Then what do you suggest for Linux? 😊

I have noticed the calculated hash code change of an extracted .iso when using dd, not knowing it is because of losing of metadata! Thank you, this infomation helps.

Edit: appears the cd which I have tried is from different source, not because of dd.

Last edited by **ctg60** on Thu Nov 07, 2013 4:57 pm, edited 1 time in total.

**sdawncl**



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Thu Nov 05, 2013 8:36 am

For linux users, I recommend using wine to launch windows programs.



**Holmes**



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Thu Nov 07, 2013 5:57 am

Is there a tutorial for Mac OS X 10.9 Mavericks GM?



This is my account. There are others like it but this one is mine.

**pittical**



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Thu Nov 07, 2013 12:25 pm

sdawncl wrote:

For linux users, I recommend using wine to launch windows programs.

You mean to run a Windows app to image the CDs? I don't think Wine provides access that is low-level enough for those to handle the discs properly, especially once we start talking copy protection (which would also make dd fail, btw).

Feel free to prove me wrong, if it does indeed work, great! But as is, I'd recommend using an actual Windows for this.



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### Re: [GUIDE] How to dump clean/untouched images from CD discs

Thu Nov 07, 2013 1:00 pm

I'm not sure about OS X, but I learned that Alcohol 120% and CloneCD can dump **DVD discs** in a RAW format, if used properly.

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sdawnc1



### Re: [GUIDE] How to dump clean/untouched images from CD discs

Thu Nov 07, 2013 6:54 pm

As long as a windows application does not use its own device drivers, it should run under wine. If anyone needs a native linux program, I'd like to recommend "cdrdao", an open-source disc recording program.

It is command-line driven. Suppose your recorder is located at /dev/sr0 and you want to name your image "DISC\_DUMP", use the following command (excluding quotation mark).

```
"cdrdao read-cd --read-raw --read-subchan rw_raw --datafile DISC_DUMP.bin --device /dev/sr0 --driver generic-mmc-raw DISC_DUMP.toc"
```

You'll end up with two files, namely DISC\_DUMP.bin and DISC\_DUMP.toc. The former is actually raw ISO image file so you may want to change its extension to ISO. And the latter is actually a text file which contains disc sub-channel data. You could use toc2cue to convert it to CloneCD cue format.

For most software distributed on CD-ROM without copy-protection, ISO format is enough for preservation. The downside is that ISO cannot store multiple tracks.

By the way, the above procedure applies to Mac OS X and BSD as well. By default cdrdao is installed on most linux distributions. If not, you may download it at [cdrdao.sourceforge.net](http://cdrdao.sourceforge.net)

Last edited by **sdawnc1** on Fri Nov 08, 2013 4:59 am, edited 1 time in total.



ctg60

**Re: [GUIDE] How to dump clean/untouched images from CD discs**

Fri Nov 08, 2013 1:36 am

Thank you, good to know it. now I'm feeling much secure to dump CDs.



878625670

**Re: [GUIDE] How to dump clean/untouched images from CD discs**

Tue Feb 04, 2014 4:46 am

I wonder if UltraISO can dump clean images from CD and DVD...



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**Re: [GUIDE] How to dump clean/untouched images from CD discs**

Tue Feb 04, 2014 6:34 am

878625670 wrote:

I wonder if UltraISO can dump clean images from CD and DVD...

No, it adds its own headers, UltraISO doesn't make clean images.

---

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nirvana175



## Re: [GUIDE] How to dump clean/untouched images from CD discs

Sat Feb 15, 2014 6:11 am

### Please don't advocate the use of .iso as an image format.

I have been making images of my discs for years now, and I think I know a thing or two about this. I would suggest instead .cue and .bin. It's a defacto image format and lots of software can handle them, like ImgBurn, Alcohol, CloneCD, Nero, etc.

The main reason for this suggestion is that **it's impossible to verify if an .iso image has errors or not, or even if it's complete or broken.**

I would recommend using CloneCD to be on the safe side even if we're dumping our old discs since we can make exact clones of them with this software.

With .cue and .bin you can use CDImage to check an image for errors. It can also verify .ccd files too among others.



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## Re: [GUIDE] How to dump clean/untouched images from CD discs

Sun Feb 16, 2014 12:01 am

nirvana175 wrote:

### Please don't advocate the use of .iso as an image format.

I have been making images of my discs for years now, and I think I know a thing or two about this. I would suggest instead .cue and .bin. It's a defacto image format and lots of software can handle them, like ImgBurn, Alcohol, CloneCD, Nero, etc.

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With .cue and .bin you can use CDImage to check an image for errors. It can also verify .ccd files too among others.



ISOBuster creates CUE/BIN or CUE/ISO images as well.

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