

NAME

wimlib-imagex-export – Exports an image from a WIM archive to an existing or new WIM archive

SYNOPSIS

wimlib-imagex export *SRC_WIMFILE SRC_IMAGE DEST_WIMFILE* [*DEST_IMAGE_NAME*]
[*DEST_IMAGE_DESCRIPTION*] [*OPTION...*]

DESCRIPTION

Copies the specified image in *SRC_WIMFILE* to *DEST_WIMFILE*, optionally changing its name and/or description and/or compression type. If *DEST_WIMFILE* exists, it is taken to be a WIM archive to which the image will be appended. Otherwise, it is created as a new WIM archive containing only the exported image.

SRC_IMAGE specifies the image in *SRC_WIMFILE* to export. It may be a 1-based index of an image in the WIM, the name of an image in the WIM, or the keyword "all" to indicate that all images are to be exported. Use the **wimlib-imagex info** (1) command to list the images a WIM file contains.

If given, *DEST_IMAGE_NAME* specifies the name to give the image being exported to *DEST_WIMFILE*. The default is its name in *SRC_WIMFILE*. *DEST_IMAGE_NAME* cannot be specified if multiple images are being exported.

If given, *DEST_IMAGE_DESCRIPTION* specifies the description to give the image being exported to *DEST_WIMFILE*. The default is its description in *SRC_WIMFILE*.

wimlib-imagex export supports exporting images from stand-alone WIMs as well as from split WIMs. However, you cannot export an image to a split WIM. See **SPLIT WIMS**.

OPTIONS**--boot**

Specifies that the exported image is to be the bootable image of the destination WIM archive.

If multiple images are being exported, this flag indicates that the image in the *SRC_WIMFILE* that is currently marked as bootable is to be made bootable in *DEST_WIMFILE*. If no image in *SRC_WIMFILE* is bootable, it is an error.

--check

When reading *SRC_WIMFILE*, and *DEST_WIMFILE* if it exists, verify the file's integrity if the integrity table is present; additionally, when writing *DEST_WIMFILE* with the new image added, write an integrity table. If this option is not specified, no integrity table is included in *DEST_WIMFILE*, even if there was one before.

--compress=TYPE

Specifies the compression type for *DEST_WIMFILE*. This is only valid if *DEST_WIMFILE* does not yet exist, since if *DEST_WIMFILE* exists, the compression type must be the same as that of *DEST_WIMFILE*.

TYPE may be "none", "maximum", or "fast". By default, it is the same as that of the input WIM file.

You may also specify the actual names of the compression algorithms, "XPRESS" and "LZX", instead of "fast" and "maximum", respectively.

--threads=NUM_THREADS

Number of threads to use for compressing data. Default: autodetect (number of processors). Note: if exporting to an uncompressed WIM, or exporting to a WIM with the same compression type as the source WIM, additional threads will not be used, regardless of this parameter, since no data compression needs to be done in these cases.

--rebuild

When exporting image(s) to an existing WIM: rebuild the entire WIM rather than appending data to the end of it. Rebuilding the WIM is slower, but will save a little bit of space that would otherwise be left as a hole in the WIM. Also see **wimlib-imagex optimize**.

--ref="GLOB"

File glob of additional split WIM parts that are part of the split WIM being exported. See **SPLIT_WIMS**.

SPLIT WIMS

You may use **wimlib-imagex export** to export images from a split WIM. The *SRC_WIMFILE* argument is used to specify the first part of the split WIM, and the **--refs="GLOB"** option is used to provide a shell-style file glob that specifies the additional parts of the split WIM. *GLOB* is expected to be a single string on the command line, so *GLOB* must be quoted so that it is protected against shell expansion. *GLOB* must expand to all parts of the split WIM, except optionally the first part which may either omitted or included in the glob (but the first part **MUST** be specified as *SRC_WIMFILE* as well).

Here's an example. The names for the split WIMs usually go something like:

```
mywim.swm
mywim2.swm
mywim3.swm
mywim4.swm
mywim5.swm
```

To export the first image of this split WIM to a new or existing WIM file "other.wim", run:

```
wimlib-imagex export mywim.swm 1 other.wim --ref="mywim*.swm"
```

NOTES

It is safe to abort an **wimlib-imagex export** command partway through; however, after doing this, it is recommended to run **wimlib-imagex optimize** on the destination WIM to remove any data that was appended to the physical WIM file but not yet incorporated into the structure of the WIM, unless **--rebuild** was specified, in which case you should delete the temporary file left over.

EXAMPLES

Export the second image of 'boot.wim' to the new WIM file 'new.wim', and change the compression type to maximum, if it wasn't maximum already:

```
wimlib-imagex export boot.wim 2 new.wim --compress=maximum
```

SEE ALSO

wimlib-imagex(1) **wimlib-imagex-info(1)** **wimlib-imagex-optimize(1)**