NAME

wimlib-imagex-optimize – Optimize a WIM archive

SYNOPSIS

wimlib-imagex optimize *WIMFILE* [--check] [--recompress]

DESCRIPTION

wimlib-imagex optimize will rebuild the stand-alone WIM *WIMFILE*. The new WIM is written to a temporary file, and it is renamed to the original file when it's ready. This action will remove any holes that have been left as a result of appending images, so the new WIM may be slightly smaller than the old WIM. In addition, some errors in the original WIM may be fixed by re-writing it (although most cannot).

OPTIONS

--check

When reading *WIMFILE*, verify its integrity if the integrity table is present; in addition, include an integrity table in the optimized WIM. If this option is not specified, no integrity table is included in the optimized WIM, even if there was one in the original WIM.

--recompress

Recompress all compressed streams in *WIMFILE* when rebuilding it. This will increase the time needed to rebuild the WIM, unless the WIM is uncompressed, but it may result in a better compression ratio if wimlib can do a better job than the program that wrote the original file. A side effect of this is that every stream in the original WIM will be checksummed, so this can help verify that the WIM is intact (equivalent to applying all the images from it).

Note: as mentioned in the README, wimlib generally provides a slightly better XPRESS compression ratio than Microsoft's software, while it generally provides a slightly worse LZX compression ratio than Microsoft's software. So, you may not want to specify **--recompress** when optimizing a LZX-compressed WIM created on Windows with Microsoft's ImageX.

--threads=*NUM_THREADS*

Number of threads to use for compressing data. Default: autodetect (number of processors). This parameter is only meaningful when **--recompress** is also specified.

NOTES

wimlib-imagex optimize does not support split WIMs.

wimlib-imagex optimize is roughly equivalent to:

wimlib-imagex export *WIMFILE* all tmp.wim [--check] && mv tmp.wim *WIMFILE*

SEE ALSO

wimlib-imagex(1) **wimlib-imagex-export**(1)