

NAME

innochecksum - offline InnoDB file checksum utility

SYNOPSIS

innochecksum [*options*] *file_name*

DESCRIPTION

innochecksum prints checksums for InnoDB files. This tool reads an InnoDB tablespace file, calculates the checksum for each page, compares the calculated checksum to the stored checksum, and reports mismatches, which indicate damaged pages. It was originally developed to speed up verifying the integrity of tablespace files after power outages but can also be used after file copies. Because checksum mismatches cause InnoDB to deliberately shut down a running server, it may be preferable to use this tool rather than waiting for an in-production server to encounter the damaged pages. **innochecksum** supports files up to 2GB in size.

innochecksum does not support tablespaces that contain compressed pages.

innochecksum cannot be used on tablespace files that the server already has open. For such files, you should use CHECK TABLE to check tables within the tablespace.

If checksum mismatches are found, you would normally restore the tablespace from backup or start the server and attempt to use **mysqldump** to make a backup of the tables within the tablespace.

Invoke **innochecksum** like this:

```
shell> innochecksum [options] file_name
```

innochecksum supports the following options. For options that refer to page numbers, the numbers are zero-based.

- **-c**
Print a count of the number of pages in the file.
- **-d**
Debug mode; prints checksums for each page.
- **-e num**
End at this page number.
- **-p num**
Check only this page number.
- **-s num**
Start at this page number.
- **-v**
Verbose mode; print a progress indicator every five seconds.

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SEE ALSO

For more information, please refer to the MySQL Reference Manual, which may already be installed locally and which is also available online at <http://dev.mysql.com/doc/>.

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