

NAME

thin_ls - List thin volumes within a pool.

SYNOPSIS

```
thin_ls [options] {device|file}
```

DESCRIPTION

thin_ls displays information about thin volumes in a pool. Pass the metadata device on the command line, not the pool device.

This tool cannot be run on live metadata unless the **--metadata-snap** option is used.

OPTIONS**-h, --help**

Print help and exit.

-V, --version

Print version information and exit.

-o, --format

Give a comma separated list of fields to be output.

Valid fields are:

```
DEV, MAPPED_BLOCKS, EXCLUSIVE_BLOCKS, SHARED_BLOCKS, MAPPED_SECTORS,  
EXCLUSIVE_SECTORS, SHARED_SECTORS, MAPPED_BYTES, EXCLUSIVE_BYTES,  
SHARED_BYTES, MAPPED, EXCLUSIVE, SHARED, TRANSACTION, CREATE_TIME,  
SNAP_TIME
```

--no-headers

Don't output headers.

-m, --metadata-snap

Use metadata snapshot.

If you want to get information out of a live pool then you will need to take a metadata snapshot and use this switch.

SEE ALSO

thin_dump(8), **thin_repair(8)**, **thin_restore(8)**, **thin_rmap(8)**, **thin_trim(8)**, **thin_metadata_size(8)**

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