

**NAME**

**thin\_dump** - dump thin provisioning metadata from device or file to standard output.

**SYNOPSIS**

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

**DESCRIPTION**

**thin\_dump** dumps binary thin provisioning metadata (optionally from alternate block; see option **--metadata-snap**) created by the device-mapper thin provisioning target on a device or file to standard output for analysis or postprocessing in either XML or human readable format. XML formatted metadata can be fed into **thin\_restore** (see **thin\_restore(8)**) in order to put it back onto a metadata device (to process by the device-mapper target) or file.

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.

**-f, --format {xml|human\_readable|custom}**

Choose output format.

Custom formats are supported via shared library plugins. They should be specified as in this example:

```
$ thin_dump --format custom=mylib.so /dev/sda
```

**-r, --repair**

Repair the metadata whilst dumping it.

**-m, --metadata-snap[=<block nr>]**

Dump metadata snapshot.

If block is not provided, access the default metadata snapshot created by the thin provisioning device-mapper target, else try the one at block nr. See the thin provisioning target documentation on how to create or release a metadata snapshot and retrieve the block number from the kernel.

**--dev-id {natural}**

Dump the specified device.

This option may be specified multiple times to select more than one thin device.

**--transaction-id {natural}**

Override the transaction id given in the input xml.

**--data-block-size {natural}**

Override the data block size given in the input xml.

**--nr-data-blocks {natural}**

Override the nr data blocks given in the input xml.

**--skip-mappings**

Do not dump the mappings.

**-o {xml file}**

Specify a file for the output rather than writing to stdout.

## EXAMPLES

Dumps the thin provisioning metadata on logical volume `/dev/vg/metadata` to standard output in human readable format:

```
$ thin_dump -f human_readable /dev/vg/metadata
```

Dumps the thin provisioning metadata on logical volume `/dev/vg/metadata` to standard output in XML format:

```
$ thin_dump /dev/vg/metadata
```

Dumps the thin provisioning metadata snapshot on logical volume `/dev/vg/metadata` to standard output in human readable format (not processable by **thin\_restore(8)**):

```
$ thin_dump --format human_readable --metadata-snap /dev/vg/metadata
```

## DIAGNOSTICS

**thin\_dump** returns an exit code of 0 for success or 1 for error.

## SEE ALSO

**thin\_check(8)**, **thin\_repair(8)**, **thin\_restore(8)**, **thin\_rmap(8)**, **thin\_metadata\_size(8)**

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