

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.

--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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