

**NAME**

**thin\_rmap** - output reverse map of a thin provisioned region of blocks from **metadata device or file**.

**SYNOPSIS**

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

**DESCRIPTION**

**thin\_rmap** outputs the reverse mapping stored in the metadata on a device or file between a region of thin provisioned pool blocks and the associated thin provisioned devices.

This tool cannot be run on live metadata.

**OPTIONS**

**-h, --help**

Print help and exit.

**-V, --version**

Print version information and exit.

**--region {block range}**

Specify range of blocks on the data device.

At least one region must be specified. Multiple regions may be specified.

The range takes the format <begin>..<one past the end>. For example, "5..45" specifies data blocks 5 to 44 inclusive, but not 45.

**EXAMPLES**

```
$ thin_rmap --region 5..45 /dev/pool-metadata
```

**DIAGNOSTICS**

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

**SEE ALSO**

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

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