

**NAME**

**cache\_metadata\_size** - Estimate the size of the metadata device needed for a given configuration.

**SYNOPSIS**

**cache\_metadata\_size** [*options*]

**DESCRIPTION**

**cache\_metadata\_size** estimates the size of the metadata.

Either **--nr-blocks**, or **--block-size** and **--device-size** must be specified.

**OPTIONS**

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

Specify the number of cache blocks.

**--block-size {sectors}**

Specify the size of each cache block in 512 byte sectors.

**--device-size {sectors}**

Specify total size of the fast device used in the cache. In 512 byte sectors.

**--max-hint-width {nr bytes}**

Specify hint width.

Cache policies use a per block 'hint' to record extra info (for instance hit counts). At the moment all policies use a 4 byte hint width. If you want to use a different hint width specify it with this switch.

**EXAMPLE**

```
$ cache_metadata_size --nr-blocks 10240
```

```
$ cache_metadata_size --block-size 128 --device-size 1024000
```

**SEE ALSO**

**cache\_dump(8)**, **cache\_repair(8)**, **cache\_restore(8)**

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