dm-stripe

Device-Mapper's "striped" target is used to create a striped (i.e. RAID-0) device across one or more underlying devices. Data is written in "chunks", with consecutive chunks rotating among the underlying devices. This can potentially provide improved I/O throughput by utilizing several physical devices in parallel.

One or more underlying devices can be specified. The striped device size must be a multiple of the chunk size and a multiple of the number of underlying devices.

```
Example scripts
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#!/usr/bin/perl -w
# Create a striped device across any number of underlying devices. The device
# will be called "stripe_dev" and have a chunk-size of 128k.
my schunk size = 128 * 2;
my $dev name = "stripe dev";
my  $num devs = @ARGV;
my @devs = @ARGV;
my ($min dev size, $stripe dev size, $i);
if (!$num devs) {
       die ("Specify at least one device\n");
$min_dev_size = `blockdev --getsize $devs[0]`;
for \overline{(}$i = 1; $i < $num_devs; \overline{(}$i++) {
       my $this_size = blockdev --getsize $devs[$i];
        $min dev size = ($min dev size < $this size) ?</pre>
                        $min dev size: $this size;
}
$stripe_dev_size = $min_dev_size * $num_devs;
$stripe dev size -= $stripe dev size % ($chunk size * $num devs);
$table = "0 $stripe_dev_size striped $num_devs $chunk_size";
echo $table | dmsetup create $dev name;
```

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