

NAME

`xfs_estimate` – estimate the space that an XFS filesystem will take

SYNOPSIS

```
xfs_estimate [ -h ] [ -b blocksize ] [ -i logsize ]
               [ -e logsize ] [ -v ] directory ...
xfs_estimate -V
```

DESCRIPTION

For each *directory* argument, *xfs_estimate* estimates the space that directory would take if it were copied to an XFS filesystem. *xfs_estimate* does not cross mount points. The following definitions are used:

KB = *1024

MB = *1024*1024

GB = *1024*1024*1024

The *xfs_estimate* options are:

-b *blocksize*

Use *blocksize* instead of the default blocksize of 4096 bytes. The modifier **k** can be used after the number to indicate multiplication by 1024. For example,

```
xfs_estimate -b 64k /
```

requests an estimate of the space required by the directory / on an XFS filesystem using a block-size of 64K (65536) bytes.

-v Display more information, formatted.

-h Display usage message.

-i, -e *logsize*

Use *logsize* instead of the default log size of 1000 blocks. **-i** refers to an internal log, while **-e** refers to an external log. The modifiers **k** or **m** can be used after the number to indicate multiplication by 1024 or 1048576, respectively.

For example,

```
xfs_estimate -i 1m /
```

requests an estimate of the space required by the directory / on an XFS filesystem using an internal log of 1 megabyte.

-V Print the version number and exits.

EXAMPLES

```
% xfs_estimate -e 10m /var/tmp
```

/var/tmp will take about 4.2 megabytes

with the external log using 2560 blocks or about 10.0 megabytes

```
% xfs_estimate -v -e 10m /var/tmp
```

<i>directory</i>	<i>bsize</i>	<i>blocks</i>	<i>megabytes</i>	<i>logsize</i>
<i>/var/tmp</i>	4096	792	4.0MB	10485760

```
% xfs_estimate -v /var/tmp
```

<i>directory</i>	<i>bsize</i>	<i>blocks</i>	<i>megabytes</i>	<i>logsize</i>
<i>/var/tmp</i>	4096	3352	14.0MB	10485760

```
% xfs_estimate /var/tmp
```

/var/tmp will take about 14.0 megabytes