



Lab 15.1: Finding Out More About xfs

We do not have a detailed lab exercise you can do with **xfs**; many systems still will not have the kernel modules and relevant user utilities installed. However, if your **Linux** kernel and distribution does support it, you can easily create a filesystem with `mkfs -t xfs`.

Then you can find out about available **xfs**-related utilities with:

```
$ man -k xfs
```

```
attr (1)           - extended attributes on XFS filesystem objects
filesystems (5)    - Linux file-system types: minix, ext, ext2, ext3, ext4,...
fs (5)            - Linux file-system types: minix, ext, ext2, ext3, ext4,...
fsck.xfs (8)      - do nothing, successfully
fsfreeze (8)      - suspend access to a filesystem (Linux Ext3/4, ReiserFS...
mkfs.xfs (8)      - construct an XFS filesystem
pmdaxfs (1)       - XFS filesystem performance metrics domain agent (PMDA)
xfs (5)           - layout of the XFS filesystem
xfs_admin (8)     - change parameters of an XFS filesystem
xfs_bmap (8)      - print block mapping for an XFS file
xfs_copy (8)      - copy the contents of an XFS filesystem
xfs_db (8)        - debug an XFS filesystem
xfs_estimate (8)  - estimate the space that an XFS filesystem will take
xfs_freeze (8)    - suspend access to an XFS filesystem
xfs_fsr (8)       - filesystem reorganizer for XFS
xfs_growfs (8)    - expand an XFS filesystem
xfs_info (8)      - expand an XFS filesystem
xfs_io (8)        - debug the I/O path of an XFS filesystem
xfs_logprint (8)  - print the log of an XFS filesystem
xfs_mdrestore (8) - restores an XFS metadump image to a filesystem image
xfs_metadump (8)  - copy XFS filesystem metadata to a file
xfs_mkfile (8)    - create an XFS file
xfs_ncheck (8)    - generate pathnames from i-numbers for XFS
xfs_quota (8)     - manage use of quota on XFS filesystems
xfs_repair (8)    - repair an XFS filesystem
xfs_rtcp (8)      - XFS realtime copy command
xfsdump (8)       - XFS filesystem incremental dump utility
xfsinvutil (8)    - xfsdump inventory database checking and pruning utility
xfsrestore (8)    - XFS filesystem incremental restore utility
xqmstats (8)      - Display XFS quota manager statistics from /proc
```

Read about these utility programs and see if you can play with them on the filesystem you created.