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## Linux Mount Solaris x86 UNIX UFS Partitions

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**Q.** How do I mount Solaris 10 / OpenSolaris x86 partition under Linux to access file system?

**A.** Solaris (and may other UNIX like) operating system use UFS (Unix file system) file system. You can use regular mount command to mount partition. mount command will not recognize the type of ufs automatically. You must specify the type of ufs by mount option:

- **old** : Old format of ufs, this is the default, read only. (Don't forget to give the -r option.)
- **44bsd** : For filesystems created by a BSD-like system like NetBSD, FreeBSD, and OpenBSD
- **sun** : For filesystems created by SunOS or Solaris on Sparc.
- **sunx86** : For filesystems created by Solaris on x86.
- **hp** : For filesystems created by HP-UX, read-only.
- **nextstep** : For filesystems created by NeXTStep (read only).
- **nextstep-cd** : For NextStep CDROMs (block\_size == 2048),
- **openstep** : For filesystems created by OpenStep (currently read only). The same filesystem type is also used by Mac OS X.



**WARNING!** These examples may requires Linux kernel recompile to support UFS file system. The UFS filesystem support is not enabled by default. You must compile the kernel with support for the UFS file system. (look for CONFIG\_UFS\_FS=m and CONFIG\_UFS\_FS\_WRITE=y options).

First create, mount directory:

```
# mkdir /mnt/solaris
```

Now, use mount command as follows:

```
# mount -t ufs -o ro,ufstype=sunx86 /dev/sdXY /mnt/solaris
# mount -t ufs -o ro,ufstype=sunx86 /dev/sdb1 /mnt/solaris
```

This will mount the first partition /dev/sdb1. Read mount command man page for further information:

```
$ man mount
```

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