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## lofiadm: Solaris Mount an ISO CD Image

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**Q.** How do I mount an ISO CD image under Sun Solaris UNIX?

**A.** Just like linux loopback device Sun Solaris UNIX has lofi loopback file driver. The lofi file driver exports a file as a block device. Reads and writes to the block device are translated to reads and writes on the underlying file. This is useful when the file contains a file system image (such as ISO image). Exporting it as a block device through the lofi file driver allows normal system utilities to operate on the image through the block device like mount and fsck. This is useful for accessing CD-ROM and FAT floppy images.

lofiadm is command you need to use mounting an existing CD-ROM image under Sun Solaris UNIX. This is useful when the file contains an image of some flesystem (such as a floppy or CD-ROM image), because the block device can then be used with the normal system utilities for mounting, checking or repairing filesystem

## Mounting an Existing ISO CD-ROM Image under Solaris UNIX

If your image name is cd.iso, you can type command:

```
# lofiadm -a /path/to/cd.iso
```

Output:

```
/dev/lofi/1
```

Please note that the file name argument on lofiadm must be fully qualified and the path must be absolute not relative (thanks to mike for tip).

/dev/lofi/1 is the device, use the same to mount iso image with mount command:

```
# mount -o ro -F hsfs /dev/lofi/1 /mnt
# cd /mnt
# ls -l
# df -k /mnt
```

Mount the loopback device as a randomly accessible file system with

```
mount -F hsfs -o ro /dev/lofi/X /mnt.
```

Alternatively, use this combined format:

```
mount -F hsfs -o ro `lofiadm -a /path/to/image.iso` /mnt
```

## Unmount and detach the images

Use umount command to unmount image:

```
# umount /mnt
```

Now remove/free block device:

```
# lofiadm -d /dev/lofi/1
```

For more information read lofiadm and lofi man pages by typing the following command:

```
man lofiadm
```

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