ICSI USB flash card reader Linux installation guide

- Enable USB mass storage multiple LUN supporting in Linux

Method 1 : Append one line into /etc/modules.conf, then reboot Linux

options scsi_mod max_scsi_luns=8

Method 2 : Type the following lines at console mode

Echo “scsi add-single-device 0 0 0 1” > /proc/scsi/scsi
Echo “scsi add-single-device 0 0 0 2” > /proc/scsi/scsi
Echo “scsi add-single-device 0 0 0 3” > /proc/scsi/scsi

Method 3 : Recompile Linux Kernel with the necessary modules as follows are included

Loadable module support
SCSI support
SCSI disk support
Probe all LUNs on each SCSI device
DOS FAT fs support
VFAT fs support
Support for USB and the controller
USB mass storage support (as a module)

- To check if all flash card has been attached, type the following line at console mode

cat /proc/scsi/scsi

Linux will response as follows if the flash cards are attached successfully

[root@localhost root]# cat /proc/scsi/scsi
Attached devices:
Host: scsi0 Channel: 00 Id: 00 Lun: 00
Vendor: ICSI Model: IC1100 Rev: 2.9F
Type: Direct-Access ANSI SCSI revision: 02
Host: scsi0 Channel: 00 Id: 00 Lun: 01
Vendor: ICSI Model: IC1100 Rev: 2.9F
Type: Direct-Access ANSI SCSI revision: 02
Host: scsi0 Channel: 00 Id: 00 Lun: 02
Vendor: ICSI Model: IC1100 Rev: 2.9F
Type: Direct-Access ANSI SCSI revision: 02
Host: scsi0 Channel: 00 Id: 00 Lun: 03
Vendor: ICSI Model: IC1100 Rev: 2.9F
Type: Direct-Access ANSI SCSI revision: 02
[root@localhost root]#

- Mount the detected flash card to a directory, please type the following lines, then you can access the content of flash cards from the mapping directory

mount /dev/sda1 /mnt/cf
mount /dev/sdb1 /mnt/ms
mount /dev/sdc1 /mnt/sd
mount /dev/sdd1 /mnt/sm