TotalMounter

Virtual CD/DVD-RW/ROM Emulator, CD/DVD image mounter All-in-One free software

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KernSafe Technologies, Inc.

www.kernsafe.com

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Introduction

TotalMounter is only free software that allows user to mount virtual CD/DVD burner that is allowing to directly burn data onto an ISO file, not to an optical disk (such as CD or DVD). After mounting virtual burner for the first time, system will recognize it and automatically install all necessary drivers to run it. After this process will finish, you can easily burn such ISO file in any burning software of your choice, including Windows 7 default burning software. Virtual CD/DVD burner isn't the only feature of TotalMounter. Except for that you can also use it to mount almost every commonly used image files, such as .iso, .cdi, .bin, .mds, .mdf, .img, .raw, .ccd, .nrg. On top of that you can also mount virtual disk image files such as .vhd or .img. TotalMounter can work as an iSCSI Initiator that allows for logging to targets that are CHAP protected. It is a perfect solution if you wish to connect to iSCSI Targets created by iStorage Server. You may also use it as an iNetDisk client that allows you to connect to iNetDisk Server.

Up until now there wasn't such free software that would allow doing all of those above mentioned things so easily and comfortably. TotalMounter have very friendly user interface that allows for fast and efficient image creating and mounting.

From this White Paper you will learn how to use all features of TotalMounter. You will have a very detailed description of what TotalMounter can do and how you can use it to best suit your needs.

Mounting Virtual CD/DVD-ROM

To mount your first virtual CD/DVD ROM using any of the following image file types iso, .cdi, .bin, .mds, .mdf, .img, .raw, .ccd, .nrg., please do as follows.

Open KernSafe TotalMounter.

🐣 KernSafe To	otalMounter				– – ×	
Mount Device List	€ Support of the second secon	O Setting	(?) Helj]	ide Exit	
Device	Location	Cap	acity	Access	Letters	
Data, safe?	SecureCE Backup your se) Cr	eat	t or a into sa	nfe CDs	
	Copyright (C) www.kernsafe.com all right reserved.					
SCSI CONT	ROLLER 0					

Click on **Mount** button and choose **Virtual CD/DVD-ROM**.

From the new window, navigate to specific file you wish to mount.

🖑 Open				×
Look <u>i</u> n:	Documents		- G 🖻	թ
<u>G</u>	Name	•		Date modified
Recent Places	All Device En	nulators		7/4/2011 4:15 PM 7/4/2011 3:45 PM
	🕑 Image			7/4/2011 4:24 PM
Desktop				
Libraries				
Computer				
Network	•			•
	File <u>n</u> ame:	Image		▼ <u>Open</u>
	Files of type:	All Image File(*.iso;*.bin;*.n	ndf;*.edi;*.b5i;*.nrg;*.e	▼ Cancel

Press **Open** button, to mount that file.

🐣 KernSafe Tot	talMounter			l	- • ×
Mount Device List	∠ 2000 Contract C	O Settir	ng Hel	p Hi	de Exit
Device	Location		Capacity	Access	Letters
JVDRW	C:\Users\x\Documents	VImag	650.00M	Read Write	F:
NetWork Disk? INetDisk Mapping disk from other computers Copyright (C) www.kernsafe.com all right reserved.					
SCSI CONT	ROLLER 0				

After mounting you may access all files from that image trough **Computer** window.



Unmounting Virtual CD/DVD-ROM

To unmount Virtual CD/DVD-ROM, simply select drive you wish you unmount, and click on **Unmount** button located on the top menu bar.

🐣 KernSafe Tot	talMounter			- - ×	
Mount Device List	Dnmou Refresh Setti	ng Hel	p Hi	de Exit	
Device	Location	Capacity	Access	Letters	
DVDRW	C:\Users\x\Documents\Imag	650.00M	Read Write	F:	
Data, safe?	SecureCD Backup your sens	Crea itive dat	tor a into sa	fe CDs	
Copyright (C) www.kernsafe.com all right reserved.					
SCSI CONT	ROLLER 0			.#	

You will be prompted with confirmation window.



Press **Yes** button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

Mounting Virtual CD/DVD-RW

Using this option, you may mount a virtual burner that will burn all data directly to ISO file, which can be later mounted as a Virtual CD/DVD-ROM.

Open KernSafe TotalMounter.

🐣 KernSafe To	talMounter			_ D X	
Mount Device List	🚖 🥏 🧔 Unmou Refresh Settin	ng Hel	j 🚽 🤾	ide Exit	
Device	Location	Capacity	Access	Letters	
Data, safe?	SecureCD Backup your sensi	Crea	tor ta into sa	fe CDs	
Copyright (C) www.kernsafe.com all right reserved.					
SCSI CONT	ROLLER 0				

Click on **Mount** button and choose **Virtual CD/DVD-RW**.

New window will appear.

Mount from a image file to CD-RW	
Create Type © Create a new file, size:	Disc Type CD 650M Bytes
🔿 Open a existing file	DVD 4.38 G Bytes
File Path C:\Users\x\Documents\Image.iso	Browse
	OK Cancel

Here, please choose if you wish to create a new file or open existing one as well as if you wish to create a CD or DVD.

After making your choice, press on **Browse** button to either open or save new file.

Note:

New file is a sparse ISO file, which means it will expand along with its content. That helps to save space on HDD and allows for easier management of image files.

Press **Ok** button to continue.



Upon mounting new virtual CD/DVD-RW, while using Window 7, there will be a window asking what to do with new blank file. You may choose to record new files onto it by using default burning software.

Recording ISO file using default Windows 7 burning software

To record data onto an ISO file, you first need to mount existing file or create new one. After the process will finish, please open **Computer** window.



There you will see an optical drive that is waiting to be burned. **Open** it, by clicking onto it.

A Burn a Disk window will pop up.



From the above, choose **With a CD/DVD player** and specify **Disk title**.

Press **Next** button to continue.

						x
🚱 🕞 🗢 🔮 🕨 Compute	er 🕨 CD Drive (E:)		▼ 4 ₇	Search CD Drive (E:)		P
Organize 🔻 🛛 Burn to d	lisc Erase this disc				•== •	0
☆ Favorites ■ Desktop ▶ Downloads ₩ Recent Places	Name	Drag files to this f	Date modified older to add them t	Type o the disc.	Size	
i Libraries Documents Music Pictures Videos						
1툎 Computer 약 Network						
0 items						

					x
🚱 🕞 🗢 🛃 🕨 Compute	er 🕨 CD Drive (E:)	▼ ⁴ †	Search CD Drive ((E:)	٩
Organize 🔻 🛛 Burn to d	isc Delete temporary files Erase	e this disc		≡ - □ (?
🔶 Favorites	Name	Date modified	Туре	Size	
🧮 Desktop	Files Ready to Be Written to	the Disc (8)			
Downloads	😱 Chrysanthemum	7/14/2009 12:52 PM	JPEG image	859 KB	
Recent Places	🗊 Desert	7/14/2009 12:52 PM	JPEG image	827 KB	
P	🗊 Hydrangeas	7/14/2009 12:52 PM	JPEG image	582 KB	
Documents Music	🗊 Jellyfish	7/14/2009 12:52 PM	JPEG image	758 KB	
	😱 Koala	7/14/2009 12:52 PM	JPEG image	763 KB	
	😱 Lighthouse	7/14/2009 12:52 PM	JPEG image	549 KB	
	🗊 Penguins	7/14/2009 12:52 PM	JPEG image	760 KB	
Videos	Tulips	7/14/2009 12:52 PM	JPEG image	607 KB	
Normal Computer					
🗣 Network					
8 items					

You will see an empty drive. You can drag and drop files here that you wish to burn.

After adding all files, press on **Burn to disk** button located on the top menu bar.

Burn to Disk window will appear.

🕞 🚔 Burn to Disc	×
Prepare this disc	
Disc title: Sample Image	
Recording speed:	
New files being burned to the disc will replace any files already on the disc if they have the same name.	
Close the wizard after the files have been burned	
Next Can	ncel

Make sure that your **Disk title** is correct. Please leave recording speed as it is.

Selecting **Close the wizard after the files have been burned** will result in closing **Burn to Disk** wizard allowing you for quicker access to your files, since you don't need to close it manually.

Press Next button to burn data to ISO file.



Burning process will take a couple of seconds depending on how much data you want to save to ISO file.



After process will finish, you may access all files from **Computer** window.

Unmounting Virtual CD/DVD-RW

To unmount Virtual CD/DVD-RW, simply select drive you wish you unmount, and click on unmount button located on the top menu bar.

🐣 KernSafe To	talMounter			- • ×	
Mount Device List	Dnmou Refresh Settin Remove a exiting virtual dis	e 🛛 😰 ng Hel	p Hi	de Exit	
Device	Location	Capacity	Access	Letters	
DVDRW	C:\Users\x\Documents\Imag	650.00M	Read Write	E:	
Data, safe?	SecureCD Backup your sensi	Crea	t or a into sa	fe CDs	
Copyright (C) www.kernsafe.com all right reserved.					
SCSI CONT	ROLLER 0				

You will be prompted with confirmation window.



Press **Yes** button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

Mounting Existing Virtual Disk Image

Using this feature you may mount already existing virtual disk image file (.img).

To do it, please open **KernSafe TotalMounter**.

🐣 KernSafe To	talMounter					
Mount Device List	∑ Unmou Refresh S	O etting	<table-cell> 🕌 Help</table-cell>		Exit	
Device	Location	Cap	acity Acce	ess Lette	ers	
Data, safe?	SecureCD Backup your se	C r	eatoi e data in	to safe C	Ds	
	Copyright (C) www.kernsafe.com all right reserved.					
🕼 SCSI CONT	ROLLER 0					

Click on **Mount** button and choose **Existing Virtual Disk Image**.

New window will appear.

🐣 Open				×
Look <u>i</u> n:	Documents	•	G 🤌 I	≫
Ca.	Name	~		Date modified
Recent Places	My Device Er All Device En	mulators nulators		7/4/2011 4:15 PM 7/4/2011 3:45 PM
	🕑 Image File			8/22/2011 3:38 PM
Desktop				
Libraries				
Computer				
(L) Network	•	III		- F
	File <u>n</u> ame:	Image File		<u>O</u> pen
	Files of type:	Standard disk image(*.img)		Cancel

Here, specify which image file you wish to mount and press **Open** button.

Your file will be mounted.

🕹 KernSafe To	talMounter			_ D X			
Mount Device List	🚵 🥏 🕻 Unmou Refresh Set	ting He	lp Hi	ide Exit			
Device	Location	Capacity	Access	Letters			
Service Contraction Contractio	C:\Users\x\Documents\Imag	1.00G	Read Write				
Data, safe?	SecureCD Backup your sen	Crea	tor ta into sa	fe CDs			
Copyright (C) www.kernsafe.com all right reserved.							

You will notice that system detected new disk and you may access it from **Computer** window.

🗢 AutoPlay	x
Local Disk (G:)	
General options	-
Open folder to view files using Windows Explorer	
View more AutoPlay options in Control Panel	

You may use it now just like normal hard disk.

Unmounting Existing Virtual Disk Image

To unmount Existing Virtual Disk Image click on drive you wish to unmount and press on the unmount button.

🐣 KernSafe To	talMounter			- D X
Mount Device List	Dnmou Refresh Settir Remove a exiting virtual dis	e 🤶	p Hi	de Exit
Device	Location	Capacity	Access	Letters
Disk	C:\Users\x\Documents\Imag	1.00G	Read Write	
iscsi?	iStorage Se an advanced, full-fe	rver eatured i	SCSI Tar	get
൙ SCSI CONT	ROLLER 0			h

You will be prompted with confirmation window.

Question	
?	Do you want to unmount these devices?
	Yes No

Press Yes button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

Creating New Virtual Disk Image

Creating new virtual disk image is very useful if you wish to store big amount of data in just one file. Such file can be also encrypted to assure higher security.

To do it, please open KernSafe TotalMounter.

🐣 KernSafe To	talMounter							
Mount Device List	€ Unmou Refresh	Setting He	<mark>] _</mark> /	ide Exit				
Device	Location	Capacity	Access	Letters				
Data, safe?	SecureCI Backup your se	D Crea	tor ta into sa	nfe CDs				
Copyright (C) www.kernsafe.com all right reserved.								
SCSI CONT	ROLLER 0							

Click on Mount button and choose Create a New Virtual Disk Image.

New window will appear.

Mount from disk image file	×
Create Type	
Create new disk size: 512	M Bytes
File Path	
C:\Users\x\Documents\Image File.img	Browse
Security	
Encrypted by password below:	
Password:	
Confrim:	
	OK Cancel

Here please choose size of your new image file (in MB), as well as path where you wish to save file.

You may also choose to encrypt that file by ticking **Encrypt by password below** checkbox. Then please choose password you wish you use and type it in both fields.

Press **OK** button to continue.

Your new disk image file has been mounted.

🐣 KernSafe To	talMounter			- • ×
Mount Device List	∑	ng Hel	p Hi	de Exit
Device	Location	Capacity	Access	Letters
🁒 Disk	C:\Users\x\Documents\Imag	512.00M	Read Write	
Data, safe?	SecureCD Backup your sensi	Creat tive dat	tor a into sa	fe CDs
SCSI CONT	ROLLER 0	2		

Now you will need to initialize and format your new drive.

Please open **Disk Management** by opening **Control Panel** \rightarrow **Administrative Tools** \rightarrow **Computer Management** \rightarrow **Disk Management**

When you will open it, there will be an **Initialize Disk** window.

Initialize Disk
You must initialize a disk before Logical Disk Manager can access it.
<u>S</u> elect disks:
Disk 1
Use the following partition style for the selected disks:
MBR (Master Boot Record)
© <u>G</u> PT (GUID Partition Table)
Note: The GPT partition style is not recognized by all previous versions of Windows. It is recommended for disks larger than 2TB, or disks used on Itanium-based computers.
OK Cancel

Click **OK** button to continue.

Afterwards press **Right Mouse** button on your new disk and select **New Simple Volume**.

New Simple Volume Wizard		×								
Welcome to the New Simple Volume Wizard										
	This wizard helps you create a simple volume on a disk.									
	A simple volume can only be on a single disk.									
	To continue, click Next.									
	< <u>B</u> ack <u>Next</u> > Car	ncel								

Wizard will appear that will guide you through the whole process.

After wizard will finish, and formatting process will end, you will be able to access your new drive.

🌺 Computer Management										
<u>File Action View H</u> elp										
🔶 🧼 🖄 🗔 🚺 🖬 🚺 🚺	ef 😼									
Computer Management (Local	Volume Lavou	Type File System	Status		Capacity	Free Space	% Free	Fault Tolerance	0	Actions
A 🎁 System Tools	(C:) Simple	Basic NTFS	Healthy (System, Boot, Page File, Active, Cr	ash Dump, Primary Partition)	40.00 GB	29.05 GB	73 %	No	09	Dick Management
D Task Scheduler	C Ne Simple	Basic NTFS	Healthy (Primary Partition)		253 MB	231 MB	91 %	No	09	Management =
Event Viewer										More Actions •
Shared Folders Shared Folders										
Performance										
🕌 Device Manager										
⊿ 📇 Storage										
Disk Management Services and Applications										
·										
	·								-	
	Disk 0								-	
	Basic	(C:)								
	40.00 GB Online	40.00 GB NTFS	oot Page File Active Crack Dump Primapy	Partition						
		riearchy (System, E	oot, Pagerne, Active, Clash Damp, Phillip	andony					Ξ	
									-	
	Disk 1	New Yolana (E)								
	255 MB	253 MB NTFS								
	Online	Healthy (Primary F	artition)							
	CD-ROM 0									
	CD-ROM (D:)									
	No Media								-	
< <u> </u>	Unallocated	Primary partition								
AutoPlay				x						
- Autor lay										
Nev	w Volu	me (E·)								
Conservation										
General o	ptions -									
	6.1.1									
Ope	n folder t	o view files								
usine usine	g Window	s Explorer								
Spee	ed up my	system								
	- Minday	a Dendu De	a a b							
using	y window	is Readybo	USL							
View more		ontions i	n Control Panel							
view more	AUTOFIA	options	in control Fariel							

You may now access your new drive from **Computer** window.

Unmounting New Virtual Disk Image

To unmount New Virtual Disk Image click on drive you wish to unmount and press on the unmount button.

🐣 KernSafe To	otalMounter				-	x		
Mount Device List	Dunmou Refresh	Setting	Help	b Hi	de Ex	it		
Device	Location	C	apacity	Access	Letters			
Disk	C:\Users\x\Documen	its\Imag 5	12.00M	Read Write				
Data, safe?	Secure Backup your	CD C	reat	or a into sa	fe CDs			
	Copyright (C) www.kernsafe.com all right reserved.							
🖨 SCSI CONT	ROLLER 0							

You will be prompted with confirmation window.

Question	×
?	Do you want to unmount these devices?
	Yes No

Press Yes button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

Mounting Existing VHD file

Mounting VHD file is very handy since you can use it in exact same way as you use normal HDD, that is format or partition it.

To do it, please open KernSafe TotalMounter.

🐣 KernSafe To	talMounter			_ □ ×					
Mount Device List	€ ≎ Unmou Refresh	Ö Setting	Relp H	F 💭					
Device	Location	Capacity	y Access	Letters					
Data, safe?	SecureC Backup your se	D Crea	ator lata into sa	afe CDs					
	Copyright (C) www.kernsafe.com all right reserved.								
SCSI CONT	ROLLER 0								

Click on Mount button and choose Existing VHD file.

New window will appear.

🕹 Open				×
Look <u>i</u> n:	Documents	•	G 🖻 🖻 🛄 -	
e	Name	T	Date modified	Туре
Recent Places	My Device Er 📙 All Device En	mulators nulators	7/4/2011 4:15 PM 7/4/2011 3:45 PM	File folder File folder
	🕞 VHD Test		8/22/2011 5:02 PM	Virtual Ma
Desktop				
Libraries				
Computer				
Network	•	m		F
NELWOIK	File <u>n</u> ame:	VHD Test	•	Open
	Files of type:	Virtual Hard Disk Files(*.vhd)	•	Cancel

Specify where is yours VHD file, and press **Open** button to continue.

🐣 KernSafe To	talMounter		Į	- 🗆 🗙				
Mount Device List		ng Help	- Hi	de Exit				
Device	Location	Capacity	Access	Letters				
S VhdDisk	C:\Users\x\Documents\VHD	256.00M	Read Write	F:				
Data, safe? SecureCD Creator Backup your sensitive data into safe CDs Copyright (C) www.kernsafe.com all right reserved.								
SCSI CONT	ROLLER 0			h.				

Now your file is mounted and you can access it from **Computer** window.

🛹 AutoPlay	×
New Volume (F:)	
General options	
Open folder to view files using Windows Explorer	
Speed up my system using Windows ReadyBoost	
View more AutoPlay options in Control Panel	

Unmounting Existing VHD file

To unmount Existing VHD file click on drive you wish to unmount and press on the unmount button.

🕹 KernSafe TotalMounter								
Mount Unmou Refresh	Cetting Setting	<table-cell> 🖌</table-cell>	Hide	Exit				
Device Location	Ca	bacity Acc	ess Le	tters				
VhdDisk C:\Users\x\Documents\	WHD 25	6.00M Rea	d Write F:					
NetWork Disk? INetDisk Mapping disk from other computers								
SCSI CONTROLLER 0	re.com air figi	it reserved.						

You will be prompted with confirmation window.

Question	×
?	Do you want to unmount these devices?
	Yes No

Press Yes button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

Creating New VHD File

This function allows you to easily create new VHD file that can be then partitioned and formatted as you like.

To do it, please open KernSafe TotalMounter.

🐣 KernSafe To	talMounter				_ D _ X				
Mount Device List	€ Unmou Refresh	Ö Setting	<table-cell> Help</table-cell>	►	e Exit				
Device	Location	Cap	acity Acc	cess	Letters				
Data, safe?	Secure(Backup your	SD Cr	eato e data in	r nto saf	e CDs				
	Copyright (C) www.kernsafe.com all right reserved.								
SCSI CONT	ROLLER 0								

Click on Mount button and choose Creating a New VHD File.

New window will appear.

Mount \	/HD				×
Create	е Туре				
Cr	eate new disk size:	256	×	M Bytes	
- File Pa	ath				
C	:\Users\x\Documents\'	VHD Test.vhd			Browse
				ОК	Cancel

Here please specify size of your disk (MB), and file path where you wish to save it.

Press **OK** button to continue.

🐣 KernSafe To	talMounter				_			
Mount Device List	∠ ⇒ Unmou	Ö Settin	ig H	🕐 🗸	4 Hide	Exit		
Device	Location		Capacity	Access	Le	tters		
🁒 VhdDisk	C:\Users\x\Documents	WHD	256.00M	Read W	/rite			
Data, safe? SecureCD Creator Backup your sensitive data into safe CDs								
SCSI CONT	ROLLER 0							

After mounting your new VHD, you need to initialize and format it.

Please open **Disk Management** by opening **Control Panel** \rightarrow **Administrative Tools** \rightarrow **Computer Management** \rightarrow **Disk Management** When you will open it, there will be an **Initialize Disk** window.

1	Initialize Disk
	You must initialize a disk before Logical Disk Manager can access it.
	Select disks:
	Disk 1
	Use the following partition style for the selected disks:
	MBR (Master Boot Record)
	○ <u>G</u> PT (GUID Partition Table)
	Note: The GPT partition style is not recognized by all previous versions of Windows. It is recommended for disks larger than 2TB, or disks used on Itanium-based computers.
	OK Cancel

Click **OK** button to continue.

Afterwards press **Right Mouse** button on your new disk and select **New Simple Volume**.

Wizard will appear that will guide you through the whole process.



After wizard will finish, and formatting process will end, you will be able to access your new drive.

🏯 Computer Management											
<u>File Action View H</u> elp											
🧇 🔿 🖄 🖬 🚺 🖬 😫 🖬	s 😼										
🌆 Computer Management (Local	Volume	Layout	Туре	File System	Status	Capacity	Free Space	% Free	Fault Tolerance	0	Actions
a 👸 System Tools	🛥 (C:)	Simple	Basic	NTFS	Healthy (System, Boot, Page File, Active, Crash Dump, Primary Partition)	40.00 GB	29.05 GB	73 %	No	09	Disk Management
Task Scheduler Task Scheduler Task Scheduler Scheduler Task Scheduler Task Scheduler Scheduler	🖙 Ne	Simple	Basic	NTFS	Healthy (Primary Partition)	253 MB	231 MB	91 %	No	0%	Mars Astimu
Event Viewer											More Actions
Bill Shared Folders											
Defermine and Groups											
Device Manager											
A Storage											
Disk Management											
Services and Applications											
	•				III					F.	
	Disk	0									
	40.00 GB		(C:)	GR NTES							
	Online		Healt	hy (System, E	Boot, Page File, Active, Crash Dump, Primary Partition)						
										E	
	_									-	
	Disk	1									
	255 MB		253 N	Volume (F:) IB NTES							
	Online		Healt	hy (Primary F	Partition)						
	6				1						
	CD-ROM	ROM 0									
	CD-RON	1(0.)									
	No Medi	a 🗖	Delener							*	
•		cated	Primar	y partition							



Unmounting New VHD File

To unmount New VHD file click on drive you wish to unmount and press on the unmount button.

🐣 KernSafe Tot	talMounter			_ _ ×
Mount Device List	Dnmou Refresh Setting Remove a exiting virtual disk) [2 ng Hel	p Hi	de Exit
Device	Location	Capacity	Access	Letters
VhdDisk	C:\Users\x\Documents\VHD	256.00M	Read Write	
iscs17	iStorage Se an advanced, full-fe	erver	iSCSI Tar	get
	Copyright (C) www.kernsafe.com a	all right reserve	ed.	
SCSI CONTR	ROLLER 0			

You will be prompted with confirmation window.

Question	
?	Do you want to unmount these devices?
	Yes No

Press Yes button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

iSCSI Initiator

iSCSI initiator is a very useful feature of TotalMounter that allows you to connect to iSCSI Targets created by, for example, iStorage Server. After connecting to iSCSI Target it will appear for the system that you have connected a local hard drive and you will be able to use it as one.

To do it, please open KernSafe TotalMounter.

🐣 KernSafe To	talMounter			_ D X
Mount Device List	▲ ② Unmou< Refresh	Setting He	lb Н	ide Exit
Device	Location	Capacity	Access	Letters
Data, safe?	SecureC Backup your se	D Crea ensitive dat	tor ta into sa	fe CDs
	Copyright (C) www.kernsafe	.com all right reserv	ed.	
SCSI CONT	ROLLER 0			t

Click on **Mount** button and choose **iSCSI**.

New window will appear.

iSCSI Initiator		×
Target portals		
Host Name	Port	Add
		Remove
iSCSI Discovery Tar		
		▼ Refresh
CHAP logon informa		
User Name:		
Target Secret:		
Option		
📃 Virtual write supp	all the changes to this driver are ten	nporary.
	Log On	Cancel

Here, you need to add target portal (for example from iStorage Server) and choose iSCSI Target you wish to mount.

To add portal click on **Add** button.

Add Host		×
IP address or DNS name: 192.168.0.194		Port: 3260
	OK	Cancel

Type IP address of your portal and port. (Default port is 3260)

Press **OK** button to continue.

iSCSI Initiator		— X
Target portals		
Host Name	Port	Add
4 192.168.0.194	3260	
		Remove
iSCSI Discovery Targets		- Befresh
CHAP logon information	ц	
User Name:		
Target Secret:		
Option		
Virtual write support, all the chang	es to this driver are to	emporary.
	Log On	Cancel

When you will successfully add your portal, choose your iSCSI target from the list.

If your target is CHAP protected, you need to provide correct user name and target secret in order to log on.

Selecting option **Virtual write support, all changes to this driver are temporary**, will result that all changes you would like to make to this target, will be saved only temporarily on local machine, not directly on ISCSI target.

Press Log On button to continue.

🕹 KernSafe To	talMounter				
Mount Device List	▲ ② Unmou< Refresh	Ö Setting	(?) Help) 🖡 🖶 D Hide	E xit
Device	Location	(Capacity	Access	Letters
C iscsi	192.168.0.194 3260		024.00M	Read Write	
NetWork Disk?	INetDis Mapping disk	K k fron	other ight reserve	comput	ers
SCSI CONT	ROLLER 0				н

Now depending if your target was RAW or already formatted you may need to do the following steps to access your new storage.

Please open **Disk Management** by opening **Control Panel** \rightarrow **Administrative Tools** \rightarrow **Computer Management** \rightarrow **Disk Management**

When you will open it, there will be an **Initialize Disk** window.

Initialize Disk
You must initialize a disk before Logical Disk Manager can access it.
<u>S</u> elect disks:
Disk 1
Use the following partition style for the selected disks:
MBR (Master Boot Record)
─ <u>G</u> PT (GUID Partition Table)
Note: The GPT partition style is not recognized by all previous versions of Windows. It is recommended for disks larger than 2TB, or disks used on Itanium-based computers.
OK Cancel

Click **OK** button to continue.

Afterwards press **Right Mouse** button on your new disk and select **New Simple Volume**.

New Simple Volume Wizard		×				
	Welcome to the New Simple Volume Wizard					
	This wizard helps you create a simple volume on a disk.					
	A simple volume can only be on a single disk.					
	To continue, click Next.					
	< <u>B</u> ack <u>N</u> ext > Ca	ncel				

Wizard will appear that will guide you through the whole process.

After wizard will finish, and formatting process will end, you will be able to access your new drive.

🌸 Computer Management																	٢
<u>File Action View H</u> elp																	
🗢 🔿 🔰 🔂 🔂 🔹	ef 😼																
🜆 Computer Management (Local	Volume I	Layout	Type	File System	Status					Capacity	Free Space	% Free	Fault Tolera	nce (0, [Actions	_
System Tools	🛥 (C:)	Simple	Basic	NTFS	Healthy (Sys	tem, Boot, P	age File, Active,	Crash Dump	, Primary Partition) 40.00 GB	28.03 GB	70 %	No	0	09	Disk Management	
Task Scheduler	□ Ne 9	Simple	Basic	NTFS	Healthy (Pri	mary Partitio	n)			1021 MB	988 MB	97 %	No	0	09	Mars Astians	
Elevent Viewer																More Actions	,
Bill Shared Folders																	
Performance																	
A Device Manager																	
Storage Dick Management																	
Services and Applications																	
	•													•	•		
		1	_												-		
	Disk 0		102														
	40.00 GB		(C:) 40.00	GB NTFS													
	Online		Healt	hy (System, B	loot, Page File	, Active, Cras	sh Dump, Prima	ary Partition)									
														-	•		
	Disk 1																
	Basic		New	Volume (F:)													
	0nline		1021 Mealt	MB NTFS hv (Primary P	Partition)												
			- neuro		unununy												
	O en ne																
	CD-ROM	OM 0 (D:)															
	No Media	-	D.:											-	-		
•		ated 📕	Primar	y partition													
AutoPlay								X									
Nev Nev	w Vo	lur	ne	(F:)													
20				17													
General o	ontion	c —															
General	Puon																
	- fold																
Ope	n tolae	er to	vie	w nies													
using	g Wind	lows	; Ex	plorer													
Spee	ed up r	my s	vst	em													
	a Wind	lowe	De	advRo	ost												
using using	g winto	10442	, ne	auybo	ost												

View more AutoPlay options in Control Panel

Unmounting iSCSI Target

To unmount iSCSI Target click on drive you wish to unmount and press on the unmount button.

🐣 KernSafe To	talMounter				
Mount Device List	Dnmou Refresh	O Setting	(2) Help	Hide	Exit
Device	Location	Cap	bacity A	ccess	Letters
Data, safe?	SecureC Backup your s	D Cr	eato) r into sal	fe CDs
	Copyright (C) www.kernsaf	e.com all righ	it reserved.		
🕼 SCSI CONT	ROLLER 0				

You will be prompted with confirmation window.

Question	×
?	Do you want to unmount these devices?
	Yes No

Press Yes button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

iNetDisk

iNetDisk feature allows you to use TotalMounter as a iNetDisk client and connect to iStorage Server. Prior to using this feature, you will need to properly setup a iNetDisk Server.

To use iNetDisk option, please open KernSafe TotalMounter.

🐣 KernSafe To	talMounter		Į	- - X
Mount Device List	🖄 💝 🧭 Unmou Refresh Settir	ng Hel	p Hi	de Exit
Device	Location	Capacity	Access	Letters
Data, safe?	SecureCD Backup your sensi	Creat	t or a into sa	fe CDs
Copyright (C) www.kernsafe.com all right reserved.				
SCSI CONTROLLER 0				

Click on Mount button and choose iNetDisk.

New window will appear.

Mount Remote Disk from INetDisk	×	
From		
Please input the IP address that running I	NetDisk server:	
192 . 168 . 0 . 185	Port: 60000	
Note: For the windows architecture, there is	no disk can all the	
same as the others(serial numbers are the same too), so you must not create more than one disk using same source, and must not use local computer as server also.		
	OK Cancel	

Here please type IP address of iNetDisk Server. (Default port is 60000)

Click **OK** button to continue.

New window will appear.

Password	×
Network resource requires a password, please enter your password:	
•••••	
save password for each authentication	
OK Cancel	

Here please type **correct password** to iNetDisk Server target you wish to connect to. Depending on the password you will either get a read-only or full-access rights.

Checking option "**Save password for each authentication**" will result in that you don't need to type same password while you are connecting to the target.

Click **OK** button to continue.

🕹 KernSafe TotalMounter				
Mount Device List	🖄 🥏 🤅 Unmou Refresh Settin	ng Hel	p Hi	de Exit
Device	Location	Capacity	Access	Letters
iNetDisk	192.168.0.192 60000	1.00G	VirtualWrite	F:
Copyright (C) www.kernsafe.com all right reserved.				
SCSI CONTR	ROLLER 0			

Now you are successfully connected to your iNetDisk target.

Unmounting iNetDisk

To unmount iNetDisk target click on drive you wish to unmount and press on the **Unmount** button.

🐣 KernSafe To	talMounter				_	x
Mount Device List	Dnmou Refresh	Ö Settin tual di	ig Help	D V Hi	de E	X it
Device	Location		Capacity	Access	Letters	
S INetDisk	192.168.0.192 60000		1.00G	VirtualWrite	F:	
iStorage Server an advanced, full-featured iSCSI Target						
Copyright (C) www.kernsafe.com all right reserved.						
SCSI CONT	ROLLER 0					н

You will be prompted with confirmation window.

Question	X
?	Do you want to unmount these devices?
	Yes No

Press Yes button to continue.

Your drive is now successfully unmounted and does not appear in Computer window.

Contact

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Sales:	sales@kernsafe.com
Marketing:	marketing@kernsafe.com
Home Page:	http://www.kernsafe.com
Product Page:	http://www.kernsafe.com/product/totalmounter.aspx
Forum:	http://www.kernsafe.com/forum



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