



**Veritas Storage Foundation™ *for*
Windows® and Veritas™ Volume
Manager *for Solaris*™**

Command-Line Interface
Comparison

Veritas Storage Foundation *for Windows* and Veritas Volume Manager *for Solaris*

Command-Line Interface Comparison

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Veritas Storage Foundation *for Windows* and Veritas Volume Manager *for Solaris*: Command-Line Interface Comparison

Introduction

This white paper contains a high-level overview of the difference between the command-line interface (CLI) in Veritas Storage Foundation 5.0 *for Windows* and Veritas Volume Manager 5.0 *for Solaris*. All the key words along with their commands perform the same task, and the flags for a particular operation are the same, on both operating systems

General CLI support

Commands not supported by Veritas Storage Foundation 5.0 *for Windows*

vrnotify	Display Veritas Volume Replicator events. The <i>vrnotify</i> command is a utility specific to Veritas Volume Replicator and as such requires a valid product license.
vrstat	Display statistical information for volumes in RVGs and RLINKs and for all hosts in an RDS.
vxDB2	Invoke the optional interactive configuration script that runs the CommandCentral™ DB2® explorer.
vxOra	Invoke the interactive configuration script required to run the CommandCentral Oracle® explorer.
vxSyb	Invoke the interactive configuration script required to run the CommandCentral Storage Sybase explorer (Solaris only)
vxapslice	Manage an area of disk for use by an Alternate Pathing database (APDB).
vxbootsetup	Set up system boot information on a Veritas Volume Manager disk.
vxcache	Administer the cache object for space-optimized snapshots.
vxcached	Resize cache volumes when required.
vxcdsconvert	Make a Veritas Volume Manager disk or disk group portable between different operating systems that are running versions of Veritas Volume Manager with the Cross-platform Data Sharing (CDS) feature.
vxclustadm	Start, stop, and reconfigure a cluster.
vxcmdlog	Administer command logging.
vxconfigbackup	Back up disk group configuration.
vxconfigrestore	Restore disk group configuration.
vxdarestore	Restore simple or nopriv disk access (da) records that have failed due to changing the naming scheme used by vxconfigd from c#t#d#s# based to enclosure based.

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vxdc	Perform operations on DCO objects and DCO volumes.
vxctl	Control the volume configuration daemon.
vxddladm	Device Discovery Layer subsystem administration.
vxdiskadd	Add one or more disks for use with Veritas Volume Manager.
vxdiskadm	Menu-driven Veritas Volume Manager disk administrator.
vxdiskconfig	Scan and configure any new disk devices that are attached to the host, disk devices that came online, or Fibre Channel devices that were zoned to host bus adapters connected to this host.
vxdisksetup, vxdiskunsetup	Configure a disk for use with Veritas Volume Manager.
vxdlping	Display SCSI inquiry data.
vxiod	Start, stop, and report on Veritas Volume Manager kernel daemons.
vxnotify	Display Veritas Volume Manager configuration events.
vxpool	Create and administer storage pools.
vxr5check	Verify RAID 5 volume parity.
vxrecover	Perform plex attach and RAID 5 subdisk recovery, and resynchronize operations for the specified volumes, for all volumes under the specified volume sets, or for volumes residing on the disks specified by media name.
vxrelocd	Monitor Veritas Volume Manager for failure events, and relocate failed subdisks.
vxrootmir	Mirror areas necessary for booting to a new disk.
vxsplitlines	Show disks with conflicting configuration copies in a cluster.
vxtemplate	Install and administer volume templates and template sets.
vxtranslog	Administer transaction logging.
vxusertemplate	Create and administer user templates.
vxunroot	Remove Veritas Volume Manager hooks for rootable volumes.
vxvoladm	Create and administer application volumes on allocated storage.
vxvoladmtask	Administer Intelligent Storage Provisioning (ISP) tasks.
vxvset	Create and administer volume sets.
vxmake	Create subdisk, plex, and volume records for Veritas Volume Manager. Records can be created entirely from parameters specified on the command line, or they can be created using a description file.

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vxplex	Perform Veritas Volume Manager operations on plexes and on volume-and-plex combinations.
vxrelayout	Convert storage in a volume or a plex from one layout to maintain data availability at all times.
vxresize	Grow or shrink the file system and its underlying volume to match the specified new volume length. (In Windows <i>vxassist</i> , <i>growby</i> performs the grow function on both volume and file system. Windows does not support shrinking volumes.)
vxmend	Mend simple problems in configuration records.
vxIntro	Introduction to the Veritas Volume Manager utilities.
vxconfigd	Veritas Volume Manager configuration daemon that maintains disk configurations and disk groups.
vxinfo	Print accessibility and usability of volumes.
vxencap	Encapsulate partitions on a new disk.
vxmirror	Mirror volumes on a disk or control default mirroring.
vxsparecheck	Monitor Veritas Volume Manager for failure events, and replace failed disks.
vxreattach	Reattach disk drives that have become accessible.
vxtrace	Trace operations on volumes.
vxspcshow	Add SAN Access Layer (SAL) user details, or display device properties obtained from SAL.
vxwwnluid	Generate disk identification information for Hitachi Array 9900 and 9900V.
vxprivutil	See the configuration from any of the disks after <i>vxsplitlines</i> .
vxse	Help in diagnosing configuration problems with Veritas Volume Manager.
vxtune	Adjust Veritas Volume Replicator and Veritas Volume Manager tunables.
vxinstall	Menu-driven Veritas Volume Manager initial configuration.
vxlustart	Start a live upgrade of Veritas Volume Manager.
vxlufinsih	Finish a live upgrade of Veritas Volume Manager.

Commands not supported by Veritas Volume Manager 5.0

vxcache	Sets up a designated cache memory pool to improve volume performance.
vxclus	Enable and disable the capability of forcing the import of a disk group on a Microsoft® Cluster Server cluster.
vxCBR	Configuration backup and restore.
vxscrub	Registry scrubbing utility.
vxsnapsql	Snapshot utility for Microsoft SQL.
vxfsync	Uses Fast File Resync to resynchronize a single file in a snapshot volume to the original volume. It is designed to restore a good copy of one corrupt file in a database application that has volumes with multiple database files.
vxvmasrs	Veritas Volume Manager ASR recovery tool.
vxrds	Perform operations on Veritas Volume Replicator RDS.
vxsasCfgLaunch	Configurator launcher.
vxverify	Determine if there is any difference between the plexes of mirrored volumes.

vxassist

Key words not supported by Windows

add column	Add columns to volume.
commit	Complete tentative subdisk move operations by removing the source subdisk and replacing it with a target subdisk.
convert	Convert a volume layout to a mirror-stripe from a stripe-mirror, or from a mirror-stripe to a stripe-mirror. Also convert to a mirror-concat from a concat-mirror, or from a mirror-concat to a concat-mirror.
evacuate	Move any volumes that are using a disk onto other disks.
growlogby (growlogto)	Increase the length of DCO volume associated with volume to <i>(growlogto)</i> or by <i>(growlogby)</i> the specified length.
growto	Increase the length of the named volume to the length specified by <i>newlength (growto)</i> .
list	List all volumes in the disk group on which the specified tag has been set.
listattrs	List the attributes tag of the LUNs.

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listtag	List all tag names and tag values that have been set on volume or volume set.
maxgrow	Report the maximum size a volume can grow given its attributes and the free storage available.
maxsize	Report the maximum size a volume can be created given the attributes specified and the free storage available.
migrate	Make non-ISP volumes manageable by ISP.
move	Move subdisks within the named volume off the excluded storage specified on the command line. Excluded storage is specified with a prefix of !.
printintent	Print the rules, capabilities, and volume templates associated with specified objects.
printrules	Display the complete set of rules used to create one or more volumes.
relayout	Change a volume layout or properties.
removeall	Delete all logs of the type specified.
removetag	Remove the specified tag for a volume or volume set.
replacetag	Replace the specified tag set on a volume or volume set.
reversemigrate	Convert ISP volumes to non-ISP volumes.
reversemigrateall	Migrate all ISP volumes in a disk group to non-ISP volumes.
rollback	Reverse tentative subdisk move operations by removing the target subdisks and leaving the source subdisk intact.
setstwidth	Set the stripe unit width for a striped or RAID 5 volume VM standard unit.
settag	Set one or more specified tags on a volume or volume set.
shrinkto	Decrease the length of the named volume to the length specified by <i>newlength</i> .
snapprint	Display the associations between the original volumes and their respective replicas.
snapwait	Wait for an attached mirror to become available on a volume if a SnapStart mirror attach is done as a background task.
transform	Change the capabilities of the existing volume online without changing the size of the volume.
transformreverse	Convert a volume that is undergoing a transformation back to its original state.
verify	Check the intent of a volume for conformance-to-template, user-specified, volume group, and storage pool rules.

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Key words not supported by UNIX®

create_ext	Create an extended partition.
create_part	Create a primary partition.
create_drive	Create a logical drive.
delete_ext	Delete an extended partition.
assign	Assign driveletter/mountpoints to volumes.
resetbus	Perform a SCSI bus reset on all SCSI buses.
unassign	Unassign driveletter/mountpoints to volumes.
rescan	Detect new hardware and object creations/deletions on the bus.
refresh	Update the properties on the VEA object bus.
break	Break a mirror from an existing volume.
delete	Delete a partition or volume.
version	Display the version of Veritas Volume Manager.
shred	Overwrite the content of volume with zeros, and then delete the volume.

	Windows	UNIX
Options/flags/attributes supported	-f, -b, -g<diskgroupname>, type=<volumetype>, mirror=<noofmirrors>, column=<noofcolumns>, stripeunit=size. Note that the option Mirror=' ' represents only the number of mirrors equivalent to the attribute nmirror on UNIX and does not have all the usage of the Mirror=' ' option as in UNIX	All options in Windows and more, such as assigning file systems, tags, and rules and specifying disk controllers (instead of only disks as in Windows)
FlashSnap™ options	-b and -o resyncfromreplica are the only flags supported	Supports options in Windows and others such as -o allplexes, -o allvols, -a, -d, -k, -M, -O, -p, -P, -r, -t, -U usetype, and -v listed in the UNIX documentation
Storage attributes	Accepts disk names, plex names, and volumes. Absent are selections based on controllers, disk geometries, and enclosures	Accepts disk names, plex names, controller names, enclosures, and more

vxdg

Key words not supported by Windows

addsite	Prepare the specified disk group for site-based allocation.
bootdg	Display the currently defined systemwide boot disk group that is aliased by the reserved name <i>bootdg</i> .
defaultdg	Display the currently defined systemwide default disk group.
destroy	Remove a disk group from the system.
detachsite	Simulate site failure by detaching all devices in the specified disk group at the specified site.
flush	Rewrite all disk on-disk structures managed by Veritas Volume Manager for the named disk groups.
free	List free space that can be used for allocating subdisks.
listclone	Display all disks on which the <i>clone_disk</i> or <i>udid_mismatch</i> is set.
listmeta	Display the <i>tagmeta</i> values for the configuration database copies and kernel log copies.
listmove	Display a list of all objects, including objects in hierarchies, that would move from the imported source disk group, <i>sourcedg</i> , to the imported target disk group, <i>targetdg</i> , as implied by the specified list of objects.
listtag	Display the tag names and tag values associated with a specified disk group.
move	Move the specified objects together with their hierarchies from the imported source disk group to the imported target disk group.
nohotuse	List free space that cannot be used by hot relocation to replace failed subdisks.
reattachsite	Reattach the device in the specified disk group at the specified site.
reminor	Change the base minor number for a disk group, and renumber all devices in the disk group to a range starting at that number.
rmsite	Remove the requirement for consistency from the specified disk group that was configured for site-based allocation.
rmtag	Remove the specified tag names from the disks in a disk group.
set	Change disk group characteristics.
settag	Set or update the tag names and optional tag values for all disks in a disk group.
spare	List spare space that can be used for relocating subdisks during recovery.

Key words not supported by UNIX

protect	Private disk group protection for shared data storage.
release	Release private disk group protection.
latestart	Set disk group import at or after boot time.
dginfo	Display the information of a specified dynamic disk group.
recover	Recover a dynamic disk group that fails because of a system crash or other problem during a dynamic disk group split operation.

	Windows	UNIX
Options/flags/attributes supported	-i, -y, -v, -s, -n, -g, -f, -C, -d, -T, -R, -P, -y, -v	All flags in Windows and more, such as -h, -p, -a, -t, -k, -q, and -o override, except flags -y and -v
Split and join	Does not have the -o override and the -o verify options used in cases of ignoring or querying the storage specific guidelines	Does not support -y (query split enclosure) and -v (split all snap volumes in source dg)

vxVol

Key words not supported by Windows

init	Perform an initialization action on a volume.
maint	Detach each volume named by the volume operands.
noderecover	When a node in a cluster aborts or crashes, do not allow it to rejoin the cluster until the active logs of the volumes affected by the crash are recovered.
resync	Examine all volumes named by the volume operands, and perform any synchronization operations that are required.
start	Enable disabled or detached volumes named by the volume operands.
startall	Attempt to start all volumes that are disabled.
stop	Disable the enabled or detached volumes named by the volume operands.
stopall	Attempt to stop all volumes that are currently running.
recover	Recover data for objects within a volume different from the mirror resynchronization model. The exact procedure for this operation is usage type specific.

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Key words not supported by UNIX

volinfo	List detailed information of the volume.
reactivate	Reactivate (restart) the volume.
repair	Repair a RAID 5 or mirrored volume if its status is Degraded and there is unallocated space on another dynamic disk.
growfs	Grow the file system on the volume.
access	Set the volume to read-only or read/write access mode.

	Windows	UNIX
Options/flags/attributes supported	-g, -v (for verbose), -o (for trackalign)	All flags in Windows and and more
Storage attributes	Accepts Volumename DriveLetter DrivePath	Accepts volume names, subdisk names, and plex names

vxsd

Key words not supported by Windows

aslog	Associate the named subdisk with the named plex as a log area for the plex.
assoc	Associate each named subdisk operand with the specified plex.
dis	Dissociate each specified subdisk from the plex with which it is associated.

	Windows	UNIX
Options/flags/attributes supported	-f, -s, -g	All flags in Windows and more such as -d, -l, -p, -U, -t, -V, -v, and -o
Storage attributes	Accepts subdisk names	Accepts subdisk names

vxdisk

Key words not supported by Windows

addregion	Add a new entry to the table of contents in a disk's private region.
check	Determine the usability of the specified disks.
classify	Initiate disk classification by the Veritas Volume Manager configuration daemon.
clearimport	Clear the host-specific import information stored on the indicated disks and in the configurations stored on those disks.
define	Define a disk access record, but do not initialize it.
destroy	Uninitialize a disk from Veritas Volume Manager by removing the private region and CDS disk label, which were placed on the disk by an init operation.
flush	Rewrite all CDS ID information to the specified disk that has at least one valid Veritas Volume Manager ID block.
getctrl	Return the name of the controller associated with a given disk access name.
init	Initialize regions of a disk used by Veritas Volume Manager.
listtag	List the tag names and tag values associated with the disk.
offline	Declare the disk devices named by the access name arguments to be in the offline state.
online	Clear the offline state for a disk device.
path	List the disk access names, disk media name, disk group, and state associated with each subpath in the system.
resize	Resize a virtual disk device with a SCSI interface presented by a smart switch, smart array, or RAID controller.
rm	Remove the specified disk access records by disk access name.
rmregion	Free up a region of space that is allocated in the private or public region for a particular use.
rmtag	Remove the specified tag from a disk.
scandisks	Initiate a rescanning of devices in the OS device tree by Veritas Volume Manager and trigger a DMP reconfiguration.
set	Change a set of attributes for a disk.
settag	Set or update the tag names and optional tag values for a disk.
updateudid	Update the unique disk identifier (UDID) for one or more disks that are specified either by their access names or media names.

Key words not supported by UNIX

attach	Connect the detached disk and enable access to the disk.
diskinfo	List detailed information of the disk.
detach	Stop disk access and disconnect the disk.
reactivate	Reactivate a disk.
merge	Merge a foreign disk back into its parent disk group.
sig	Add a signature to a disk.
merge	Merge the disk back into its former disk group.
convertdisk	Convert the disk style from MBR to GPT and vice versa.
trackaligninfo	Display track alignment setting for host and track alignment offset and setting for all arrays.

	Windows	UNIX
Options/flags/attributes supported	-g, -v (for verbose)	All flags in Windows and and more, such as -o alldgs and -f
Storage attributes	Accepts disk access names and disk media names	Accepts disk access names and disk media names

vxunreloc

	Windows	UNIX
Options/flags/attributes supported	-f, -n, -g	-f, -n, -g, -t
Storage attributes	Accepts disk access names and disk media names	Accepts disk access names and disk media names

vxevac

Key words not supported by Windows

commit	Complete a tentative subdisk move operation by removing the source subdisks and replacing them with the target subdisks.
rollback	Reverse tentative subdisk move operations by removing the target subdisks and leaving the source subdisks intact.

Veritas Storage Foundation *for Windows* and Veritas Volume Manager *for Solaris*: Command-Line Interface Comparison

	Windows	UNIX
Options/flags/attributes supported	-g	-g, -t, -k, -O operation_tag, -t task_tag, and more
Storage attributes	Accepts disk access names and disk media names	Accepts disk access names and disk media names

vxstat

	Windows	UNIX
Options/flags/attributes supported	-g, -s, -v, -d, -i, -c	All flags in Windows and others, such as -n (for node), -r, -C, -p, and -f
Storage attributes	Accepts disk access names and disk media names	Accepts disk access names and disk media names

vxtask

The Windows version supports the *list* command only.

Key words not supported by Windows

abort	Stop the operation of a specified task.
pause	Place a running task in the paused state, suspending its operation.
resume	Continue the operation of a paused task.
monitor	Continuously print information about a task or a group of tasks as task information changes.

	Windows	UNIX
Options/flags/attributes supported	-g, -v	All flags in Windows and more

vxdmpadm

Key words not supported by Windows

cfgapm	Load the specified array policy module (APM) together with any required attribute-value pairs into the CLI.
disable	Disable I/O on a host disk controller or path.
enable	Enable a previously disabled host disk controller or path to accept I/Os.
getattr	Display the default and current settings of the iosize or partition-size attribute for the specified enclosure, array, or array type.
getctrl	List the logical and physical names of a specified controller, or of all the controllers present in the system.
getdmpnode	Display the DMP device that controls a particular physical path.
getlungroup	Display all DMP nodes in the same LUN group as the DMP node that is named as the argument to the dmpnodename attribute.
getportids	Display the array port ID and array port worldwide number (WWN) corresponding to the specified HBA controller, DMP node, enclosure, or path.
getsubpaths	Display the paths controlled by the specified host controller (ctrl), DMP node (dmpnodename), or third-party driver (TPD) device (tpdnodename).
gettpdnode	Display the third-party driver device that corresponds to the node specified as the argument to the nodename attribute.
gettune	Return the values of the DMP tunable parameters.
iostat	Control the gathering and display of I/O statistics.
listapm	Display all the APMs in the system.
listctrl	List the disk controllers connected to the host.
listenclosure	Display all attributes of the specified enclosure.
setattr enclosure	Assign a meaningful name to the specified enclosure.
settune	Set the values of the specified DMP tunable parameters.
start restore	Start the DMP restore daemon.
stat errord	Display the number of error daemons running.
stat restored	Display the status of the automatic path restoration daemon, the interval of polling, and the policy used to check the condition of paths.
stop restore	Stop the Veritas Volume Manager restore daemon.

Key words not supported by UNIX

purge	Purge failed DMP devices.
setattr array	Set array attributes such as Active/Active or Active/Passive and Include or Exclude.
setattr device	Set device attributes such as Active/Active or Active/Passive and Include or Exclude.
setattr path	Set path attributes, alter preferred path.
arrayinfo	Display array information.
deviceinfo	Display device information.
pathinfo	Display path information.

vxEdit

The Windows version supports `set comment=<comment>` only.

Key words not supported by Windows

cc	Change a comment using a search replacement specification similar to that used by <code>sed</code> in RVG, RLINK, volume, plex, subdisk, media name, or disk group records within the selected disk group.
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vxPrint

	Windows	UNIX
Options/flags/attributes supported	Does not support <code>rm</code> operation for volume, plex, subdisk record -h, -n, -q, -l, -P, -V, -v, -p, -d, -s, -A, -Q, -G, -g, -E	All flags in Windows and others, such as -a, -b, and -f

vxSnap

Key words not supported by Windows

addmap	Add per-volume maps to the DCO volume.
addmir	Add mirror(s) to a volume for use in creating snapshots.
dis	Dissociate snapshot volume from parent and remove it from the snapshot hierarchy.
list	Display information about volume or volume sets and their instant snapshots.
make	Create snapshot volumes. Available on Windows Server 2000. Windows 2003 Server uses create instead.
print	Display information about volumes and their snapshots.
refresh	Refresh a snapshot volume from the specified source volume.
split	Split a snapshot hierarchy into two independent snapshot hierarchies.
synpause	Pause a synchronization operation.
synresume	Resume a synchronization operation.
synstart	Start synchronization of an instant snapshot.
synstop	Stop synchronization of an instant snapshot.
synwait	Wait for synchronization to complete on a specified volume.
unprepare	Remove associated DCO and DCO volume. Convert layered volume to RAID 5.

Key words not supported by UNIX

create	Make Volume Shadow Copy Service (VSS) snapshots on Window Server 2003, which supports quiescing VSS-enabled applications.
start	Snap starts all the volumes in the specified component.

vxCache

Key words not supported by Windows

att	Attach a volume as a cache volume to a cache object.
dis	Dissociate one or more cache volumes from their cache objects.
growcacheby (growcacheto)	Grow the cache by (<i>growcacheby</i>) or to (<i>growcacheto</i>) the specified amount.
listvol	Print a space-separated list of space-optimized instant snapshots that have been created on the specified cache object.
shrinkcacheby (shrinkcacheto)	Shrink the cache by (<i>shrinkcacheby</i>) or to (<i>shrinkcacheto</i>) the specified amount.
start	Start cache objects and rebuild the in-core mapping.
stat	Print space usage statistics for cache objects.
stop	Stop cache objects.

Key words not supported by UNIX

cacheinfo	Display the cache settings for the server or for a volume.
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Naming convention differences

Disk names

	Windows	UNIX
Disk access name	Harddisk# (for example, Harddisk1), \Device\Harddisk#, p#c#t#l#	c#t#d#s
Disk media	-g <DynamicDiskGroup> must be specified if disk media name is used	-g optional for rootdg

Volume names

	Windows	UNIX
Volume name	-g <DynamicDiskGroup> must be specified if internal volume name is used	-g optional for rootdg
Device name	\Device\HarddiskDmVolumes\DgName\VolumeName	
Drive letter	Example: D:	
Mount point	Example: C:\MountPoint1	

Alternative commands in Veritas Storage Foundation 5.0 *for Windows*

vxassist

Examples

```
/usr/sbin/vxassist -b -g pias125.gnr.0 make gnr.2 20 fmr=false nlogs=1  
nmirror=1 mirror=target stripe-mirror-col-split-trigger-pt=21
```

```
/usr/sbin/vxassist -g pias125.gnr.0 -b addlog gnr.0 nlogs=1
```

```
/usr/sbin/vxassist -gpias125.gnr.0 remove mirror gnr.0 !piht602b_d19
```

Why it is necessary

- Create volumes mirrored correctly across physical disks.
- Add logs to each side of a mirror (which Veritas Volume Manager doesn't do by default).
- Remove mirrors from specific disks (for maintenance and so on).

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Create a mirrored volume

Veritas Storage Foundation *for Windows* 4.3 will try to separate mirrors in different controllers, if possible. The only other option a user can specify is the disk list that will be used. As a workaround, create a simple/concat volume first by specifying disks in one controller, and then add the mirror with the desired disks.

Add a mirror

```
vxassist mirror <VolumeName|DriveLetter...> [Mirror=M] [<diskname | p#c#t#l#> ...]
```

Add a log

```
vxassist addlog <VolumeName|DriveLetter> [LogType=<DRL | DCM | DCO>] [nlog=<#>]  
[<diskname> ...]
```

Remove a mirror

```
vxassist remove mirror <VolumeName|DriveLetter>  
[plex=<PlexName>!diskname]
```

vx dg

Examples

```
/usr/sbin/vx dg -g pias125.gnr.0 adddisk piht602b_19=c2t77d19  
/usr/sbin/vx dg -g pias125.gnr.0 rmdisk hqht602a_d19
```

Why it is necessary

- Add disks using the Symantec naming convention.
- Remove disks correctly for migration/maintenance.

Create a new disk group with specified disks

```
vx dg -g<DynamicDiskGroupName> [-s|-R] [-TLDM] init <diskname|p#c#t#l#>...
```

Add new disks to an existing disk group

```
vx dg -g<DynamicDiskGroupName> adddisk <diskname|p#c#t#l#>...
```

Remove a disk from a disk group

```
vx dg [-g<DynamicDiskGroupName>] [-f] rmdisk <diskname|p#c#t#l#>
```

Veritas Storage Foundation *for Windows* and Veritas Volume Manager *for Solaris*: Command-Line Interface Comparison

vxdisk

Examples

```
/usr/sbin/vxdisk list c0t0d0s2
```

```
/usr/sbin/vxdisk online c2t77d19
```

Why it is necessary

- Get multipathing information for the disks (numpaths, enabled/disabled, primary secondary).
- Bring disks online.

Get disk and DMP information

```
vxdisk [-g<DynamicDiskGroupName>] diskinfo <diskname | p#c#t#l#>
```

Get a disk (when it fails and then comes back)

```
vxdisk [-g<DynamicDiskGroupName>] reactivate [-C] <diskname | p#c#t#l#>
```

Get DMP information

```
Dmpinfo -x
```

vxplex

The Windows command `vxdisk reactivate` is an equivalent command. Please note that the Windows version does not allow the creation of a plex not associated with a volume.

Attach a plex that resides on Harddisk3

```
Vxdisk reactivate Harddisk3
```

Veritas Storage Foundation *for Windows* and Veritas Volume Manager *for Solaris*: Command-Line Interface Comparison

vxctl

vxctl is used to reinitialize the Veritas Volume Manager daemon, for example, when new devices are added or removed, or when a path failure/recovery occurs.

Start/stop vold

Net start vxob

Net stop vxob

vxprint and vxmake

vxprint and vxmake together can be used to back up and restore VM configurations.

Backup configuration

VxCBR [-a] [-p<Path>] backup [<DgName> ...]

-a to specify backup of all online disk groups

-p to specify user-defined path

DgName to specify disk group to back up

Restore configuration

VxCBR [-p<Path>] restore <DgName ...>

-p to specify user-defined path

DgName to specify disk group to restore

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