

:: symcli commands

symaccess	
<code>symaccess -sid 1234 list</code>	List all Initiator, Port and Storage Groups Created for Array 1234
<code>symaccess -sid 1234 list -v</code>	List all Initiator,Port and Storage Groups Created for Array 1234 along with related Masking Views
<code>symaccess -sid 1234 list -type storage</code>	List all Storage Groups Created for Array 1234
<code>symaccess -sid 1234 list -type initiator</code>	List all Initiator Groups Created for Array 1234
<code>symaccess -sid 1234 list -type port</code>	List all Port Groups Created for Array 1234
<code>symaccess -sid 1234 list view</code>	List masking views Created for Array 1234 with related groups details
<code>symaccess -sid 1234 list assignment -dev 9A0:9AF</code>	Shows the masking details of devices from 9A0 to 9AF
<code>symaccess -sid 1234 -wwn xxxx replace -new_wwn yyyy</code>	Replace all occurrence of wwn xxxx with yyyy in array 1234
<code>symaccess -sid 1234 list logins -wwn xxxx</code>	Check whether wwn xxx logged in to any of the FAs on array 1234.
<code>symaccess -sid 1234 list -type initiator -wwn xxxx</code>	Check whether the HBA WWN xxxx is a member of any Initiator Group.
<code>symaccess -sid 1234 list -type storage -dev AAA</code>	Check whether the HBA WWN xxxx is a member of any Initiator Group.
<code>symaccess -sid 1234 list no_assignments -dirport 12f:1</code>	Shows the devices are mapped to 12f:1 but not masked.
<code>symaccess -sid 1234 list -name MyGroup</code>	List all groups named MyGroup
<code>symaccess -sid 1234 list -name MyGroup -v</code>	List all groups named MyGroup and also shows the related Masking Views
<code>symaccess -sid 1234 list devinfo -ig MyInitiator</code>	List the details of devices assigned to the initiatorgroup MyInitiator
<code>symaccess -sid 1234 show MyStorageGroup -type storage</code>	Shows the contents of storage group MyStorageGroup Created on Array 1234
<code>symaccess -sid 1234 show MyInitiatorGroup -type initiator</code>	Shows the contents of initiator group MyInitiatorGroup Created on Array 1234
<code>symaccess -sid 1234 show MyPortGroup -type port</code>	Shows the contents of port group MyPortGroup Createdon Array 1234
<code>symaccess -sid 1234 show view MyView</code>	Shows the contents of view MyView Created on Array 1234
<code>symaccess -sid 1234 -f MyBackup.txt backup</code>	Creates a file MyBackup containing all the group and view information currently on the Symmetrix array 1234
<code>symaccess -sid 1234 -f MyBackup.txt restore</code>	Restores all the group
<code>symaccess -sid 1234 -type initiator -name Host1 create -wwn 1000000000000001</code>	Creates and initiator group called Host1 by adding the specified wwn
<code>symaccess -sid 1234 -type initiator -name Host1 rename -new_name Host2</code>	Rename the Initiator Gorup Host1 as Host2

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symaccess -sid 1234 -type port -name 3E0_4E0_13E0_14E0 -dirport 3e:0,4e:0,13e:0,14e:0 create	Create the portgroup E0_4E0_13E0_14E0 with specified ports
symaccess -sid 1234 -type port -name 3E0_4E0_13E0_14E0 rename -new_name 3E1_4E1_13E1_14E1	Rename the Port Gorup 3E0_4E0_13E0_14E0 as 3E1_4E1_13E1_14E1
symaccess -sid 1234 -type storage -name Host1 create devs AAA:AAB	Create the storage group Host1 with specified range of devices
symaccess -sid 1234 -type storage -name Host1 add devs AAA:AAB	Create the storage group Host1 with specified range of devices
symaccess -sid 1234 -type storage -name Host1 remove devs AAA:AAB	Remove the device AAA to AAB from storage group Host1
symaccess -sid 1234 -type storage -name Host1 remove devs AAA:AAB -unmap	Remove the device AAA to AAB from storage group Host1 and also unmap from the FAs
symaccess -sid 1234 -type storage -name Host1 rename -new_name Host2	Rename the Storage Gorup Host1 as Host2
symaccess -sid 1234 create view -name Host1_Allocation -sg Host1 -pg 3E0_4E0_13E0_14E0 -ig Host1	Create a masking view combined with specified groups
symaccess -sid 1234 view -name Host1_Allocation rename -new_name Host2_Allocation	Rename name of view Host1_Allocation as Host2_Allocation
symaccess -sid 1234 delete view -name Host1_Allocation	Delete view Host1_Allocation.
symaccess -sid 1234 delete view -name Host1_Allocation -unmap	Delete view Host1_Allocation and also unmap all the device in associated storage group.
symaccess -sid 1234 -name PG_1_2_15_16_E0_Group -type port -dirport 1e:0,16e:0 remove	Remove ports 1e:0 and 16e:0 from port group 'PG_1_2_15_16_E0_Group'.
symaccess -sid 1234 -name PG_1_2_15_16_E0_Group -type port -dirport 1e:0,16e:0 remove	Remove ports 1e:0 and 16e:0 from port group 'PG_1_2_15_16_E0_Group'.
symaccess -sid 1234 -name IG_Server_A -type initiator -wwn xxxx remove	Remove HBA WWN 'xxxx' from Initiator Group 'IG_Server_A'
symaccess -sid 1234 -name IG_Servers -type initiator -ig IG_Server_A remove	Remove Initiator Group 'IG_Server_A' from parent Initiator Group 'IG_Servers'
symaccess list hba	Shows the wwn of the local HBA and the devices assigned to those.
symaccess -sid 1234 view -name Host1_Allocation rename -new_name Host2_Allocation	Rename name of view Host1_Allocation as Host2_Allocation
symaccess -sid 1234 -f Total_views backup	This command will backup all the Masking Views information for array 1234 to file Total_views.

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<code>symaccess -sid 1234 -f Total_views restore</code>	This command will restore all Masking view information for Vmax Array 1234 from file Total_views , which is earlier created by "backup" option.
<code>symaccess -sid 1234 -type initiator -name Host1 add -wwn 10000000000000002</code>	Add another HBA WWN to the existing Initiator group(IG) "Host1".
<code>symaccess -sid 1234 -type port -name MyPorts add -dirport 6e:0</code>	Add an additional port 6e:0 to the existing port group(PG) "MyPorts".
<code>symaccess -sid 1234 -type initiator -name Host1_Host2_IG add -ig Host2_IG</code>	Add a child Initiator Group(Host2_IG) to the parent Initiator Group(Host1_Host2_IG).
<code>symaccess -sid 1234 show MyInitiatorGroup -type initiator -detail</code>	By including '-detail' option will shows the Flag settings like 'FCID Lockdown' , 'Consistent Lun'.. for each WWN number in the initiator group.
<code>symaccess -sid 1234 show view MyView -detail</code>	This command is the best option to see both parent and child initiator groups(cascaded initiator group) and associated devices for a masking view.
<code>symaccess -sid 1234 show view Server_A_B_View -ig Server_B_IG</code>	Displays the content of view 'Server_A_B_View' with the WWN details of child-Initiator group 'Server_B_IG'.
symcfg	
<code>symcfg discover</code>	Scans all the devices in hosts looking for new symmetrix devices and rebuilds the symmetrix configuration database .
<code>symcfg list</code>	A brief description of the all connected Symmetrix boxes.
<code>symcfg -sid 1234 verify</code>	Check whether the SYMAPI database is in sync with the current configuration of array 1234.
<code>symcfg list -status</code>	Check the configuration and SYMAPI database status of all arrays.
<code>symcfg -db</code>	Shows the configuration information about the current symapi database.
<code>symcfg -sid 1234 remove</code>	Remove the array 1234 from symcfg list.
<code>symcfg -sid 1234 list -lockn all</code>	List all the external locks held in Symmetrix array 1234.
<code>symcfg -sid 1234 -lockn 15 release -force</code>	Release the lock 15 held on array 1234 .
<code>symcfg -sid 1234 list -v</code>	Displays detailed information about the Symmetrix Array 1234.
<code>symcfg -sid 1234 list -dir all</code>	Displays the online status of all directors(Frontend+Backend).
<code>symcfg -sid 1234 list -sa all</code>	Displays the online status of all Front-end directors.

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symcfg -sid 1234 list -da all	Displays the online status of all Back-end directors.
symcfg -sid 1234 list -fa all	Displays wwn of all front-end director ports.
symcfg -sid 1234 list -fa all -port	Displays online and connection status of all front-end director ports.
symcfg -sid 1234 list -ra all	List all RA ports with details like rdfg number , remote array sid and online status.
symcfg -sid 1234 -dir 4a -p 0 list -addr -avail	List the LUN information / availability of lun ids on port 4a0 in array 1234 .
symcfg -sid 1234 list -rdfg all	List details about all the rdf groups in array.
symcfg -sid 1234 list -rdfg 3	List details about rdf group 3 .
symcfg -sid 1234 list -rdfg all -dynamic	List details about all the dynamic rdf groups in array .
symcfg -sid 1234 list -rdfg all -static	List details about all the static rdf groups in array .
symcfg -sid 198 list -rdfg 10 -rdfa	Shows the specific SRDF/A information about the rdf group 10.
symcfg -sid 1234 list -env_data	Dispaly the information and status of arrays physical components like powersupply units Fans etc.
symcfg -sid 1234 list -thin -pool -GB	List all the thinpools in array 1234.
symcfg -sid 1234 show -pool My_Pool -thin -GB	List all the datadevices in thinpool My_Pool on array 1234.
symcfg -sid 1234 list -tdev -GB	List all the thin devices in array 1234.And also shows the thinpools associated to each device with the binding status.
symcfg -sid 1234 list -tdev -gb -thin -pool My_Pool	List all the thin devices assoicated with thinpool My_Pool
symdev -sid 1234 list -tdev	list all thin devices in array 1234
symcfg -sid 1234 list -tdev -noport	list all thin devices in array 1234 which are not mapped
symcfg -sid 1234 -SA 6h -P 1online	Make the front-end port 6h:1 to online.
symcfg -sid 1234 -SA 6h -P 1offline	Make the front-end port 6h:1 to offline.
symcfg -sid 1234 list -memory	shows the amount and details of memory configure in the array .
symcfg -sid 1234 list -tdev -GB -detail	With "detail" option ,this commands will displays the multiple thin pools that each TEVS binded with.
symcli	
symcli	Displays the version of symapi.
symcli -v	Shows the version of symapi and total list of symcli commands with a short description.
symcli -env	The list of ennvirnonmental variable that can be set for a SYMCLI session.

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symcli -def	List of currently defined environmental variables .
symconfigure	
symconfigure -sid 1234 list -freespace -units mb	Shows the Formatted and Unformatted freespace in MegaBytes on array 1234
symconfigure -sid 1234 -f command_file.txt preview	Validates the syntax of the commands in 'command_file.txt' and also verify the configuration changes.
symconfigure -sid 1234 list -v	Shows the configuration informations like the micro-code version , whether the Dynamic RDF is enabled or not etc..
symconfigure -sid 1234 query	Check the status of a running configuration change.
symconfigure -sid 1234 -f command_file.txt prepare	The prepare option will validate the command syntax and Verify the appropriateness of the changes and operations.
symconfigure -sid 1234 -f command_file.txt commit	Apply the changes defined in the command file.
symdev	
symdev -sid 1234 list	List all devices in symmetrix 1234.
symdev -sid 1234 list -noport	List the devices which are not mapped to any ports.
symdev -sid 1234 list -noport -meta	List all unmapped meta devices .
symdev -sid 1234 list -dynamic	List all devices whose dyn_rdf attribute set .
symdev -sid 1234 list -emulation celerra	List all celerra devices .
symdev -sid 1234 list -emulation FBA	List all FB devices .
symdev -sid 1234 list -hotspare	Checks whether hotspare invoked in the array .
symdev -sid 1234 list -inventory	Lists the grouped list of various devices like RAID-5 2-Way_Mirror etc..
symdev -sid 1234 show ABC	show the detailed information about device ABC.
symdev -sid 1234 list -range ABC:ABE -v	show the detailed information of devices ABC to ABE.
symdev -sid 1234 list -range ABC:ABE -multiport	List the devices from ABC:ABE with the mapped FA information if they are assigned to more than one FA port.
symdev -sid 1234 write_disable ABC -SA all	Write disable the device ABC from through all directors.
symdev -sid 1234 write_disable ABC -SA 3a -p 0	Write disable the device ABC on FA port 3a:0.
symdev -sid 1234 not_ready ABC -SA all	Not ready the device ABC from through all directors.
symdev -sid 1234 not_ready ABC -SA 3a -p 0	Not ready the device ABC on FA port 3a:0.
symdev -sid 1234 list -datadev	This commands will provide the list of DATA devices created in array 1234.

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symdg	
symdg -sid 1234 list	List device groups which include the devices from array 1234.
symdg create mydg -type rdf1	Create device group mydg of rdf1 type .
symdg show mydg	Shows members/details of mydg.
symdg rename mydg yourdg	Renames the mydg to yourdg.
symdg -sid 1234 export mydg -f mydgfile.txt	Export mydg to file mydgfile.txt.
symdg -sid 1234 import mydg -f mydgfile.txt	Create mydg from the file mydgfile.txt which created earlier using export option.
symdg -sid 1234 exportall -f mydgfile.txt	Export all device groups created in array 1234 to file mydgfile.txt.
symdg -sid 1234 importall -f mydgfile.txt	Create all device groups from the file mydgfile.txt which created earlier using exportall option.
symdg -sid 1234 -g mydg move DEV002 yourdg	Move the device DEV003 from mydg to yourdg(both DGs must be in same RDFG.
symdg -sid 1234 -g mydg moveall yourdg	Move all the devices from mydg to yourdg(both DGs must be in same RDFG.
symdg delete mydg -force	Delete device group mydg.
symdisk	
symdisk -sid 1234 list	List of total disks in the array.
symdisk -sid 1234 show 1A:C12	Shows the detailed information like speed and HYPERS of the disk 1A:C12.
symdisk -sid 1234 show 1A:C12 -gaps	Shows the available space(GAPS) on the disk 1A:C12.
symdisk -sid 1234 show 1A:C12 -gaps_only	Shows only the available space(GAPS) on the disk 1A:C12.
symdisk -sid 1234 list -hotspare	List Hotspares configured in the array.
symdisk -sid 1234 list -v -spare_info	Displays the details of all hotspare in the array.
symdisk -sid 1234 list -by_diskgroup	Displays all the disks in array by disk groups.
symdisk -sid 1234 list -disk_group 1	Displays all the disks in disk group 1.
symdisk -sid 1234 list -dskgrp_summary	This provides a brief summary of all diskgroups in array 1234 along with speed , size and type of disks.
symdisk -sid 1234 list -failed	Lists all the failed drives in array 1234.
symgate	
symgate list	Lists all Gatekeeper devices in the local host.
symgate -sid 1234 define dev 00AA	Define the symdev 00AA as Gatekeeper Device.
syminq	Lists all physical devices attached to local host.
syminq hba	Shows the HBA details of the local host like HBA Name , WWN etc..

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syminq -mapinfo	Lists all physical devices with target ports which are mapped.
syminq -symmids	List the local devices along with the serial number of corresponding array.
symld	
symld -g mydg -sid 1234 add dev ABC DEV006	Add the RDF device ABC to device group mydg as DEV006
symld -g mydg remove DEV006	Remove DEV006 from device group mydg.
symlmf	
symlmf list -type se	List the Tradition Solution Enabler Licenes.
symlmf add -type se -license FFFF-FFFF-FFFF-FFFF	Register the Tradition Solution Enabler Licene key FFFF-FFFF-FFFF-FFFF.
symlmf delete -type se -license FFFF-FFFF-FFFF-FFFF	Delete the Tradition Solution Enabler Licene key FFFF-FFFF-FFFF-FFFF.
symmask	
symmask list hba	List HBA details of the host.
symmask -sid 1234 -dir 4a -p 0 list logins	List out wwns logged through port 4a0 .
symmask -sid 1234 list logins -wwn xxx	Check whether wwn xxx logged in to any of the FAs on array 1234.
symmask -sid 1234 delete -logins -wwn xxx	Delete the login history of wwn xxx from all FA logged ports.
symmask -sid 1234 refresh	Refresh the VCM Data Base after a masking and unmasking operation.
symmask -sid 1234 -wwn xxxx -dir 4a -p 0 add devs ABC,ABD	Mask the devices ABC and ABD to given wwn in 1234 array .
symmask -sid 1234 -wwn xxxx -dir 4a -p 0 remove devs ABC,ABD	Unmask the devices ABC and ABD from given wwn in 1234 array .
symmask -sid 1234 -wwn xxxx replace yyyy	Replace all occurance of wwn xxxx with yyyy in array 1234.
symmaskdb	
symmaskdb -sid 1234 -dev ABC list assign	List the masking details of the dev ABC .
symmaskdb -sid 1234 -wwn xxxxxxx list devs	List the devices masked to given wwn number .
symmaskdb -sid 1234 -awwn hba_alias list devs	List the devices masked to given alias hba name .
symmaskdb -sid 1234 list database -v	Lists the detailed VC MDB database which includes all the FA ports , the WWN associated with it and the devices masked to those.Also shows the flag status like "Visibility"," Lun Offset" ect ..

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symrdf	
<code>symrdf -sid 1234 -rdfg 3 -type rdf1 -file rdf.txt -g mydg createpair -establish</code>	Establish the SRDF relation between the devices given in the file rdf.txt from array 1234(R1) and remote box according to the rdf group .This command start sync between R1 and R2 and also add these devices after creating the device group mydg
<code>symrdf -sid 1234 -rdfg 3 -file rdf.txt query</code>	Query the Devices by using device pair file.
<code>symrdf -g mydg query</code>	Query device group.
<code>symrdf -g mydg split</code>	Split the srdf pair for devices given in mydg.
<code>symrdf -sid 1234 -rdfg 3 -file rdf.txt deletepair -force</code>	Delete the srdf pairing between R1/R2 and return them to stanadard.
<code>symrdf -sid 1234 -rdfg 3 -file rdf_pair.txt query -i 5</code>	Queries the pair devices mentioned in the pairfile "rdf_pair.txt" in every 5 seconds.This command also shows the estimated time to sync up all the devices if those are currently in "sync in progress" state.
<code>symrdf -sid 1234 -rdfg 3 -file rdf.txt movepair -new_rdfg 4</code>	Moves the SRDF devices from rdf group 3 to 4.We need to split the pair before doing this operation.
<code>symrdf -sid 1234 -rdfg 3 -file rdf.txt set mode acp_disk</code>	Change the current SRDF mode of the pair file devices to Adaptive disk mode.
<code>symrdf -g mydg establish -full</code>	Establish a full copy on the devices in MyDg
<code>symrdf -sid 1234 -rdfg 3 -file rdf.txt set mode sync</code>	Change the current SRDF mode of the pair file devices to Synchronous
<code>symrdf -sid 1234 list rdg all</code>	This command will list all the SRDF devices in all rdf groups.
symsg	
<code>symsg -sid 1234 list</code>	Lists all the storage groups in Vmax array 1234 along with informations like whether the SG a member of Masking View and is a part of FAST Policy.
<code>symsg -sid 1234 list -v</code>	the -v options displays the member devices of Storage Groups along with other details given by list.
<code>symsg -sid 1234 create MyStorageGroup</code>	Create a new SG,'MySrorageGroup' in Vmax Array 1234
<code>symsg -sid 1234 delete MyStorageGroup</code>	Deletes the empty SG 'MySrorageGroup' from 1234.The SG should not be associated with any Masking View.
<code>symsg -sid 1234 delete MySrorageGroup -force</code>	Deletes the SG 'MySrorageGroup' which contains devices but not associated with any Masking View.

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<code>symmsg -sid 1234 show MyStorageGroup</code>	Shows the devices in MyStorageGroup along with its Masking View and FAST Policy association status.
<code>symmsg -sid 1234 export MyStorageGroup -file mystoragegroup.txt</code>	export the device information from SG to the text file.
<code>symmsg -sid 1234 exportall -storagegroups.txt</code>	exports the device information from all the SGs from 1234 array to the text file storagegroups.txt
<code>symmsg -sid 1234 import MyStorageGroup -file MystorageGroup.txt</code>	Create SG 'MyStorageGroup' from the earlier exported file MystorageGroup.txt.
<code>symmsg -sid 1234 importall -file MystorageGroups.txt</code>	Create storage groups from the earlier exported file MystorageGroup.txt.Storage Group names will be created according to the names in text file.
<code>symmsg -sid 1234 rename MyStorageGroup MyNewStorageGroup</code>	Rename SG MyStorageGroup to MyNewStorageGroup
<code>symmsg -sid 1234 -sg MyStorageGroup ready</code>	Set the status of all devices in SG 'MyStorageGroup' to READY.
<code>symmsg -sid 1234 -sg MyStorageGroup not_ready</code>	Change the status of all the devices in SG 'MyStorageGroup' from READY to NOT READY.
<code>symmsg -sid 1234 -sg MyStorageGroup rw_enable</code>	Write enable all the devices in SG 'MyStorageGroup'
<code>symmsg -sid 1234 -sg MyStorageGroup write_disable</code>	Write Disable all the devices in SG 'MyStorageGroup'