# :: symcli commands

## symcfg

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| symcfg -version | Displays SYMCLI Version |
| symcfg list | A brief description of the all connected Symmetrix boxes. |
| symcfg discover | Scans all the devices in hosts looking for new symmetrix devices and rebuilds the symmetrix configuration database . |
| symcfg -sid 1234 remove | Remove the array 1234 from symcfg list. |
| symcfg -sid 1234 list -lockn all | List all the external locks held in Symmetrix array 1234. |
| symcfg -sid 1234 -lockn 15 release -force | Release the lock 15 held on array 1234 . |
| symcfg -sid 1234 list -v | Displays detailed information about the Symmetrix Array 1234. |
| symcfg -sid 1234 list -memory | Shows the size of the memory board installed in each memory slots. |
| 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 1234 list -ra all | List all RA ports with details like rdfg number , remote array sid and online status. |
| symcfg -sid 1234 list -sa all | List all host director ports with current status( Online/Offline) |
| symcfg -sid 1234 list -da all | List all disk adapter ports with status( Online/Offline) |
| symcfg -sid 1234 list -fa all | Lists all fiber adapter ports with WWPN of the ports |

## symdev

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| symdev -sid 1234 list | List all devices in symmetrix 1234. |
| symdev -sid 1234 list -range AAA:BBB | List all devices from a range of AAA to BBB |
| symdev -sid 1234 list -emulation celerra | List all the celerra devices in array 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 -hotspare | Checks whether hotspare invoked in the array . |
| symdev -sid 1234 show ABC | Show the detailed information about device ABC. |
| symdev -sid 1234 write_disable ABC -SA all | Write disable the device ABC from through all directors. |
| symdev -sid 1234 rw_enable ABC -SA all | Read/Write enable the device ABC from through all directors. |
| symdev -sid 1234 not_ready ABC -SA all | Not ready the device ABC from through all directors. |
| symdev -sid 1234 ready ABC -SA all | Ready the device ABC from through all directors. |

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| symdev -sid 1234 list -disk_group 1 | Lists all the devices created in DISKGROUP 1 |
| symdev -sid 1234 list -lock | Lists the devices which are locked. |
| symdev -sid 1234 list -multiport -range AAA:AAA | Displays the mapping information of device AAA |
| symdev -sid 1234 list -r1 | Lists all RDF-1 devices in array 1234 |
| symdev -sid 1234 list -r2 | Lists all RDF-2 devices in array 1234 |
| symdev -sid 1234 list -r21 | Lists all RDF-21 devices in array 1234 |
| symdev -sid 1234 list -bcv | Lists all BCV devices |
| symdev -sid 1234 list -nobcv | Lists all NON-BCV Devices |
| **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 no_assignment | Lists devices mapped but not masked . |
| symmaskdb -sid 1234 -file <file> backup | Backup the current VCMDB to file |
| symmaskdb -sid 1234 -file <file> restore | Restore VCMDB from file |
| **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 the logins of wwn xxx in ports of array 1234 |
| 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 -awwn Alias_Name -dir 4a -p 0 add devs ABC,ABD | Mask the devices ABC and ABD to given wwn_alias in 1234 arrray . |
| 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 -awwn Alias_Name -dir 4a -p 0 remove devs ABC,ABD | Unmask the devices ABC and ABD from given wwn_alias in 1234 arrray . |
| symmask -sid 1234 -wwn xxx1 replace xxx2 | Replace wwn xxx1 with xxx2 in VCMDB |
| symmask -sid 1234 -wwn xxx rename Alias_Name | Set an alias name to wwn xxx |
| symmask -sid 1234 -wwn xxx delete -logins | Delete all the entries of wwn xxx from the VCMDB |
| **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 delete mydg -force | Delete device group mydg. |

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| symdg -sid 1234 dg2file  mydg -f dgfile.txt | Create a file from a dg which can be used later to create another |
| symdg -sid 1234 file2dg newdg -f dgfile.txt | Create a dg from a file which earlier created with dg2file option |
| **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 form device group mydg. |
| symrdf | |
| symrdf -sid 1234 list | Lists all the SRDF devices in 1234 with information like dg,status etc |
| symrdf -sid 1234 -rdfg 3 -type rdf1 -file rdf.txt -g mydg createpair -establish | 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. |
| symrdf -sid 1234 -rdfg 3 -file rdf.txt query | Query the Devices by using device pair file. |
| symrdf -g mydg set mode acp_disk | Set synching mode to Adaptive Copy. |
| symrdf -g mydg query | Query device group. |
| symrdf -g mydg split | Split the srdf pair for devices given in mydg. |
| symrdf -sid 1234 -rdfg 3 -file rdf.txt deletepair.txt -force | Delete the srdf pairing between R1/R2 and return them to standard. |
| **symdisk** | |
| symdisk -sid 1234 list -hotspare | List Hotspares configured in the array. |
| symdisk -sid 1234 list -by_diskgroup | Displays all the disks in array by disk groups. |
| symdisk -sid 1234 list -diskg_roup 1 | Displays all the disks in disk group 1. |
| **symaccess** | |
| symaccess -sid 1234 list | List all Initiator, Port and Storage Groups Created for Array 1234 |
| symaccess -sid 1234 list -v | List all Initiator, Port and Storage Groups Created for Array 1234 along with related Masking Views |
| symaccess -sid 1234 list -type storage | List all Storage Groups Created for Array 1234 |
| symaccess -sid 1234 list -type initiator | List all Storage Groups Created for Array 1234 |
| symaccess -sid 1234 list -type port | List all Storage Groups Created for Array 1234 |
| symaccess -sid 1234 list view | List masking views Created for Array 1234 with related groups details |
| symaccess -sid 1234 list assignment -dev 9A0:9AF | Shows the masking details of devices from 9A0 to 9AF |
| symaccess -sid 1234 list no_assignments -dirport 12f:1 | Shows the devices are mapped to 12f:1 but not masked. |
| symaccess -sid 1234 list -name MyGroup | List all groups named MyGroup |
| symaccess -sid 1234 list -name MyGroup -v | List all groups named MyGroup and also shows the |

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| | related Masking Views |
| symaccess -sid 1234 list devinfo -ig MyInitiator | List the details of devices assigned to the initiatorgroup MyInitiator |
| symaccess -sid 1234 show MyStorageGroup -type storage | Shows the contents of storage group MyStorageGroup Created on Array 1234 |
| symaccess -sid 1234 show MyInitiatorGroup -type initiator | Shows the contents of initiator group MyInitiatorGroup ceated on Array 1234 |
| symaccess -sid 1234 show MyPortGroup -type port | Shows the contents of port group MyPortGroup Created on Array 1234 |
| symaccess -sid 1234 show view MyView | Shows the contents of view MyView Created on Array 1234 |
| symaccess -sid 1234 -f MyBackup.txt backup | Creates a file MyBackup containing all the group and view information currently on the Symmetrix array 1234 |
| symaccess -sid 1234 -f MyBackup.txt restore | Restores all the group, view and security information from the specified backupup file |
| symaccess -sid 1234 -type initiator -name Host1 create -wwn 1000000000000001 | Creates and initiator group called Host1 by adding the specified wwn |
| symaccess -sid 1234 -type initiator -name Host1 add -wwn 1000000000000002 | Add the specified wwn in to the existing initiator group Host1 |
| symaccess -sid 1234 -type port -name 3E0_4E0_13E0_14E0 -dirport 3e:0,4e:0,13e:0,10e:0 create | Create the portgroup E0_4E0_13E0_14E0 with specified ports |
| 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 create view -name Host1_Allocation -sg Host1 -pg 3E0_4E0_13E0_14E0 -ig Host1 | Create a masking view combined with specified groups |