

# Shared Virtual Array Administrator for AIX

## Version 3.1.0

### Command Quick Reference

Command	Synopsis
<p>addsubsystempath — add a new device path to the SVA subsystem.</p> <p><b>Abbrev:</b> addsubsyspath</p>	<p>addsubsystempath -devpath <i>device_path</i></p>
<p>alterdevice — change the definition of a functional or SCSI larger LUN device, or change a functional device into a SCSI larger LUN device.</p> <p><b>Abbrev:</b> altdev</p>	<p>alterdevice -subsys <i>subsys_name</i> -fdid <i>fdid...</i> [-devpath <i>device_path</i> [, <i>device_path</i>]]            [-adjustfcapa +/- <i>size</i>]-fcapa <i>new_size</i> [-fdidpool <i>fdid...</i>] [-cache ena enable dis disable]            [-ckdena yes no] [-ckdrw yes no] [-name <i>device_name...</i>] [-noconfirm] [-privlg yes no]            [-scsiaddr dis disable <i>domain.target.lun...</i>] [-scsiena yes no] [-scsirw yes no]  <b>for PPRC (peer-to-peer remote copy):</b>  <b>Note:</b> Only certain SVAA platforms and SVA subsystem configurations support the use of PPRC commands and functions. Contact StorageTek Software Support for details.            [-addrpairs -trgssname <i>subsys_name</i> -trgserialnumber <i>serial_number</i>            -trgssid <i>ssid_number</i> -trgvcu <i>vcu_number</i> [-trgid <i>id...</i>][-mode <i>sync_mode</i>]]            [-modifyrcpairs -mode <i>pprc_mode</i>][[-deletercpairs]]</p>
<p>alteriointerface — change the name of an I/O interface, or add or delete PPRC paths for the specified interface ID.</p> <p><b>Abbrev:</b> altioint</p>	<p>alteriointerface -subsys <i>subsys_name</i> -ifid <i>ci...</i> [-name <i>interface_name...</i>]  <b>for PPRC (peer-to-peer remote copy):</b>  <b>Note:</b> Only certain SVAA platforms and SVA subsystem configurations support the use of PPRC commands and functions. Contact StorageTek Software Support for details.            [-addpath -vcu <i>vcu_number...</i> -ssid <i>ssid_number...</i>            -trgssname <i>subsys_name</i> -trgserialnumber <i>serial_number</i>            -trgvcssid <i>vcu_ssid_number...</i> -trgvcu <i>vcu_number...</i> -trgssid <i>ssid_number...</i>            [-linkdest <i>link_dest_number...</i>]] [-deletercpairs -vcu <i>vcu_number...</i> -ssid <i>ssid_number...</i>            -trgvcu <i>vcu_number...</i> -trgssid <i>ssid_number...</i>            [-trgssname <i>subsys_name</i> -trgserialnumber <i>serial_number</i>]]</p>
<p>altersubsystem — change SVA subsystem characteristics.</p> <p><b>Abbrev:</b> altsubsys</p>	<p>altersubsystem -subsys <i>subsys_name</i> [-arysi 5+2 13+2] [-newname <i>new_subsystem_name</i>]            [-scsisim enable disable] [-site <i>site_name</i>]            [[-ssid0 <i>ssid0</i>] [-ssid1 <i>ssid1</i>] [-ssid2 <i>ssid2</i>] [-ssid3 <i>ssid3</i>]]            [-vcussid <i>vcu.ssid</i> [, <i>vcu.ssid</i>]] [-ssidbase <i>base_ssid</i>]</p>
<p>attndevice — initiate a state-change interrupt for a CKD device.</p> <p><b>Abbrev:</b> adev</p>	<p>attndevice -subsys <i>subsys_name</i> -fdid <i>fdid...</i></p>
<p>definedevice — define a functional or SCSI larger LUN device.</p> <p><b>Abbrev:</b> defdev</p>	<p><b>options for all device types:</b>            definedevice -subsys <i>subsys_name</i> -fdid <i>fdid...</i> -devtyp <i>device_type</i>            [-cache ena enable dis disable] [-ckdena yes no] [-ckdrw yes no] [-name <i>device_name...</i>]            [-privlg yes no] [-scsiaddr dis disable <i>domain.target.lun...</i>] [-scsiena yes no]            [-scsirw yes no]  <b>option for SCSI functional devices only:</b>            [-scsiblks <i>entry</i>]  <b>options for SCSI larger LUN devices only:</b>            -fcapa <i>minimum_size</i> [-fdidpool <i>fdid...</i>]  <b>options for PPRC (peer-to-peer remote copy):</b>  <b>Note:</b> Only certain SVAA platforms and SVA subsystem configurations support the use of PPRC commands and functions. Contact StorageTek Software Support for details.            [-addrpairs -trgssname <i>subsys_name</i>  -trgserialnumber <i>serial_number</i>            -trgssid <i>ssid</i> -trgvcu <i>vcu</i> [-trgid <i>id...</i>] [-mode <i>sync_mode</i>]]            .</p>

Command	Synopsis
<p>deletedevice — delete functional or SCSI larger LUN device definition.</p> <p><b>Abbrev:</b> deldev</p>	<p>deletedevice -subsys <i>subsys_name</i> -fdid <i>fdid...</i> [-force] [-noconfirm]</p>
<p>displayarray — produce an array report.</p> <p><b>Abbrev:</b> dary</p>	<p>displayarray -subsys <i>subsys_name...</i> [-aryid <i>array_id[,array_id]</i>]</p>
<p>displaydevice — display current functional device status.</p> <p><b>Abbrev:</b> ddev</p>	<p>displaydevice -subsys <i>subsys_name...</i> -fdid <i>fdid...</i> [-detail] [-functional -logical] [-pprcinfo] [-subsysfcapa]</p>
<p>displaydrivemodule — produce a drive module report.</p> <p><b>Abbrev:</b> ddmmod</p>	<p>displaydrivemodule -subsys <i>subsys_name...</i> -aryid <i>array_id[,array_id]</i> -dmod <i>u.t.s...</i> -status <i>status</i></p>
<p>displayiointerface — display the current I/O interface status.</p> <p><b>Abbrev:</b> dioint</p>	<p>displayiointerface -subsys <i>subsys_name...</i> -ifid <i>c.i...</i> [-pprcinfo] [-type <i>type</i>]</p>
<p>displayncaplodpct — display SVA subsystem net capacity load percentage.</p> <p><b>Abbrev:</b> dnc1</p>	<p>displayncaplodpct -subsys <i>subsys_name...</i></p>
<p>displayserver — display information about the SVAA server.</p> <p><b>Abbrev:</b> dserver</p>	<p>displayserver</p>
<p>displaysubsystem — produce a report for an SVA subsystem.</p> <p><b>Abbrev:</b> dsubsys</p>	<p>displaysubsystem -subsys <i>subsys_name...</i> [-fcapa]</p>
<p>dropadministratorgroup — remove SVAA administrator and/or PPRC administrator privileges from the current SVAA and/or PPRC administrator group.</p> <p><b>Abbrev:</b> dropadmingroup</p>	<p>dropadministratorgroup [-group] [-pprcadmin]</p>
<p>dropconnection — disconnect a user from the SVAA server.</p> <p><b>Abbrev:</b> dropcon</p>	<p>dropconnection -all -connection <i>connection_id</i> [-force]</p>
<p>exit — quit the CLI shell interpreter.</p> <p><b>Abbrev:</b> None.</p>	<p>exit</p>
<p>formarray — form one or more arrays.</p> <p><b>Abbrev:</b> formary</p>	<p>formarray -subsys <i>subsys_name</i> [-numarys all <i>n</i>]</p> <p><b>Note:</b> The -arysi parameter, available in prior releases, has been deprecated.</p>
<p>get — display the current port on which the SVAA server is running.</p> <p><b>Abbrev:</b> None.</p>	<p>get -serverport</p>

Command	Synopsis
<p>help — display the man page for a command.</p> <p><b>Abbrev:</b> h</p>	<p>help [<i>CLI_command</i>]</p>
<p>queryadministratorgroup — display the SVAA server and PPRC administrator groups.</p> <p><b>Abbrev:</b> qadmingroup</p>	<p>queryadministratorgroup</p>
<p>querycache — Display SVAA server cache settings.</p> <p><b>Abbrev:</b> qcache</p>	<p>querycache [[-subsys <i>subsys_name...</i>] [-arystatus] [-fdevperf] [-fdevprops] [-fdevspace] [-intfperf] [-intfprops] [-pdevperf] [-pdevstatus] [-subsysperf] [-subsysprops]]</p>
<p>queryclientlogentries — display CLI log.</p> <p><b>Abbrev:</b> qclientlog</p>	<p>queryclientlogentries [-level <i>log_level</i>] [-string <i>entry</i>] [-times <i>start_time[:end_time]</i>]</p>
<p>queryclienttrace — display CLI trace information.</p> <p><b>Abbrev:</b> qclienttrace</p>	<p>queryclienttrace</p>
<p>queryconnections — display users connected to the server.</p> <p><b>Abbrev:</b> qcon</p>	<p>queryconnections [-detail]</p>
<p>querypermissions — display permission levels for UNIX users or groups.</p> <p><b>Abbrev:</b> qperm</p>	<p>querypermissions -user <i>user_name[,user_name]</i> -group <i>group_name[,group_name]</i></p>
<p>queryrequests — display pending server requests.</p> <p><b>Abbrev:</b> qreq</p>	<p>queryrequests -all -user <i>user_name</i> -connection <i>connection_id</i></p>
<p>querysecuritymode — display the current SVAA security mode.</p> <p><b>Abbrev:</b> qsecuritymode</p>	<p>querysecuritymode</p>
<p>queryserverlogentries — display SVAA server log.</p> <p><b>Abbrev:</b> qserverlog</p>	<p>queryserverlogentries [-level <i>log_level</i>] [-string <i>entry</i>] [-times <i>start_time[:end_time]</i>]</p>
<p>queryservertrace — display trace information.</p> <p><b>Abbrev:</b> qservtrace</p>	<p>queryservertrace</p>
<p>querysubsystem — list available SVA subsystems.</p> <p><b>Abbrev:</b> qsubsys</p>	<p>querysubsystem</p>
<p>querysubsystempath — list available ECAM devices.</p> <p><b>Abbrev:</b> qsubsyspath</p>	<p>querysubsystempath -subsys <i>subsys_name...</i></p>

Command	Synopsis
<p>queryversion — display the SVAA server software version.</p> <p><b>Abbrev:</b> qvers</p>	<p>queryversion</p>
<p>refreshcache — Force immediate refresh of all or part of the SVAA server cache.</p> <p><b>Abbrev:</b> rcache</p>	<p>refreshcache [[-subsys <i>subsys_name</i>] [-arystatus] [-fdevperf] [-fdevprops] [-fdevspace] [-intfperf] [-intfprops] [-pdevperf] [-pdevstatus] [-subsysperf] [-subsysprops]]</p>
<p>release — initiate space release on a SCSI logical volume or volume group.</p> <p><b>Abbrev:</b> None.</p>	<p>release -path <i>pathname</i>[,<i>pathname</i>] [-force]</p>
<p>removesubsystempath — remove a path to an SVA subsystem from use by the local SVAA server.</p> <p><b>Abbrev:</b> removesubsyspath</p>	<p>removesubsystempath -subsys <i>subsys_name</i> -devpath <i>device_path</i> [-force]</p>
<p>reportevents — produce a drain event report.</p> <p><b>Abbrev:</b> None.</p>	<p>reportevents -subsys <i>subsys_name</i>... [-ident <i>event_id</i>] [[-dates <i>startdate</i>[:<i>enddate</i>]] last] [-detail]]</p>
<p>set — direct the CLI to establish a connection to the SVAA server on a specified port.</p> <p><b>Abbrev:</b> None.</p>	<p>set -serverport <i>server_port</i></p>
<p>setadministratorgroup — set a UNIX group as the SVAA administrator group or the PPRC administrator group.</p> <p><b>Abbrev:</b> setadmingroup</p>	<p>setadministratorgroup [-group <i>group_name</i>] [-pprcadmin <i>group_name</i>]</p>
<p>setcacherefreshrate — Set the refresh rate for all or part of the SVAA server cache.</p> <p><b>Abbrev:</b> setcache</p>	<p>setcacherefreshrate -subsys <i>subsys_name</i>... [-allcache <i>seconds</i> default off]   [[-arystatus <i>seconds</i> default off] [-fdevperf <i>seconds</i> default off] [-fdevprops <i>seconds</i> default off] [-fdevspace <i>seconds</i> default off] [-intfperf <i>seconds</i> default off] [-intfprops <i>seconds</i> default off] [-pdevperf <i>seconds</i> default off] [-pdevstatus <i>seconds</i> default off] [-subsysperf <i>seconds</i> default off] [-subsysprops <i>seconds</i> default off]]</p>
<p>setsecuritymode — set the mode for SVAA security operations.</p> <p><b>Abbrev:</b> setsmode</p>	<p>setsecuritymode -mode <i>mode</i></p>
<p>shutdownserver — halt the SVAA server.</p> <p><b>Abbrev:</b> shutserv</p>	<p>shutdownserver [-noconfirm]</p>
<p>sibadmin — initiate the SVAA CLI (command line interface).</p> <p><b>Abbrev:</b> None.</p>	<p>sibadmin [[-config <i>file_name</i>] [-debug <i>format</i>] [-port <i>server_port</i>]]   [-version]</p>
<p>sibserv — initiate the SVAA server.</p> <p><b>Abbrev:</b> None.</p>	<p>sibserv [-config <i>file_name</i>] [-debug <i>format</i>] [-ecamdev <i>device_path</i>] [-log <i>file_name</i>] [-nowebport] [-port <i>port_number</i>] [-serveridletime <i>minutes</i>] [-webport <i>port_number</i>]</p>

Command	Synopsis
<p>snap — create a SnapShot image of a SCSI logical volume or volume group on an SVA subsystem.</p> <p><b>Abbrev:</b> None.</p>	<p>snap -source <i>pathname</i> -target <i>pathname</i></p>
<p>startclienttrace — activate trace logging on the client side.</p> <p><b>Abbrev:</b> None.</p>	<p>startclienttrace [-class <i>class_name...</i>] [-format <i>format_name</i>] [-level all <i>level_name...</i>] [-logfile <i>file_name</i>]</p>
<p>startdrain — initiate a drain of one or more drive modules.</p> <p><b>Abbrev:</b> None.</p>	<p>startdrain -subsys <i>subsys_name</i> -aryid <i>array_id</i> [-dmod <i>u.t.s[,u.t.s]</i>] [-tray <i>u.t</i>]</p>
<p>startservertrace — activate trace logging on the server side.</p> <p><b>Abbrev:</b> None.</p>	<p>startservertrace [-class <i>class_name...</i>] [-format <i>format_name</i>] [-level all <i>level_name...</i>] [-logfile <i>file_name</i>]</p>
<p>stopclienttrace — deactivate a CLI trace process.</p> <p><b>Abbrev:</b> None.</p>	<p>stopclienttrace [-id <i>trace_id</i>]</p>
<p>stopsservertrace — deactivate a server trace process.</p> <p><b>Abbrev:</b> None.</p>	<p>stopsservertrace [-id <i>trace_id</i>]</p>