

Part Number 313450601

Shared Virtual Array Console

Version 3.1.0

for Windows NT

Quick Start Guide

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OVERVIEW

WHAT IS THE SHARED VIRTUAL ARRAY CONSOLE?

The Shared Virtual Array Console (SVA Console) is a tool providing a single, user-friendly point of control for virtual management of disk storage devices.

The SVA Console provides extended facilities for configuring and administering SVA subsystems and for obtaining performance reports regarding SVA subsystems.

The SVA Console operates in a client-server architecture.

SYSTEM REQUIREMENTS

To install and run the SVA Console, you will need the following hardware and software or better:

- Windows NT 4.0, Service Pack 4
- Pentium, 166 MHz, 32 MB of RAM, 20MB of disk space
- VGA card

WHO WILL USE THE SVA CONSOLE?

The SVA Console is for storage administrators or system programmers responsible for configuring and managing SVA subsystems. To work with the SVA Console, you should be familiar already with disk storage devices in the host environment (mainframe or UNIX) that you use.

WHAT CAN YOU DO WITH THE SVA CONSOLE?

With the SVA Console, you can perform virtual device management tasks from a single client workstation through a Graphical User Interface (GUI) running on Windows NT.

The following features are available through the SVA Console via the server:

- Subsystem configuration, including both SCSI and CKD (count-key-data) functionality
- Net capacity load management of CKD and SCSI devices
- SnapShot copy of SCSI volumes and file systems, and CKD data sets and volumes
- Data collection
- Connection to existing and future hardware subsystems

MIGRATION REQUIREMENTS

If you are upgrading from SVA Console V1.1.0 (or a subsequent maintenance patch), you should review this information.

Note: You can install and run SVA Console V3.1.0 and V1.1.0 on the same computer.

COMPATIBILITY WITH SVAA

Note: SVAA refers to the software installed on an OS/390 mainframe or UNIX server to which an SVA subsystem is attached.

Both SVAA and SVA Console must be at the same version level in order to be compatible. In other words, SVA Console V1.1.0 cannot run with SVAA V3.1.0; conversely, SVA Console V3.1.0 cannot run with SVAA V1.1.0.

Therefore, if you are unable to upgrade all servers and clients at the same time, you should not de-install any prior versions of the products until they are all upgraded.

DE-INSTALLING SVA CONSOLE V1.1.0

De-installing SVA Console V1.1.0 will not remove all files if you applied any maintenance patches. You will need to manually delete any SVA Console backups, the directory where SVA Console V1.1.0 was installed, and any SVA Console V1.1.0 shortcuts.

WHAT'S NEW IN VERSION 3.1.0?

New features for Version 3.1.0 of the SVA Console are summarized below. See the SVA Console Online Help for complete descriptions.

- Support for new SCSI larger LUN device feature which allows you to create SCSI devices of virtually any size.
- Support for fibre channel I/O interfaces.
- Support for SCSI record format assist (RFA).
- Incorporation of SnapShot into the base SVAA product.
- Support for Open Systems Space Release.
- Modification of the Data Collection task.
- New screen to display the SVAA server log.
- In the **Delete Device** dialog box, add the ability to force device deletion even if data is present on a device.

- New default SVA Console installation directory:

`C:\programs_folder\StorageTek\Shared Virtual Array
Console 3.1.0\`

where *programs_folder* is your computer's default program installation directory.

- Enhancement of many dialog boxes, display screens, and error messages for improved usability.

SVA CONSOLE INSTALLATION

Warning: If Windows Installer is not already installed on your computer, InstallShield will install it automatically, then reboot your computer. For this reason, it is important that you close any running applications before inserting the CD in your CD-ROM drive.

- 1 Insert the Installation CD in your CD-ROM drive. The SVA Console installation program will run automatically (Autorun), taking you through the installation process step-by-step.
Or press the SHIFT key while you insert the CD. In this case, the installation program will not run automatically. To start the installation, open Windows Explorer, go to D:\ (where D: is your CD-ROM drive identifier), and double-click Setup.exe.
- 2 A dialog box is displayed warning you that the installation may reboot your computer. Click Yes to continue with the installation (you should choose this only if you currently have no open applications on your computer). Click No to exit the installation.
- 3 If Windows Installer is not already installed on your computer, InstallShield installs it, then reboots your computer. The InstallShield is then restarted and continues to the next step.

- 4 On the **Welcome** screen, review the information displayed and click Next> to continue.
- 5 On the **Launch ReadMe** screen, select the Launch ReadMe file check box to view the SVA Console V3.1.0 ReadMe file now. De-select the box to view the file at a later time. Click Next> to continue.

Note: It is strongly recommended that you view the ReadMe file before continuing with the installation. While viewing the file, select File>Print to print it. Select File>Exit to exit the file and continue with the installation.

- 6 On the **Customer Information** screen:
 - Enter your User Name and Organization.
 - You can use the radio buttons to designate who will be able to run the SVA Console from your computer. Select “Anyone who uses this computer” to allow any login ID on this computer to run the SVA Console. Select “Only for me” to allow only your current login ID to be able to run the SVA Console.

Click Next> to continue.

- 7 On the **Setup Type** screen you can designate the type of installation.
 - Select “Complete” to install the SVA Console in the default installation directory (C:*programs_folder*\StorageTek\Shared Virtual Array Console 3.1.0\, where *programs_folder* is your computer’s default program installation directory).
 - Select “Custom” to designate a different installation directory.

In either case, the entire SVA Console product will be installed; there are no options for a partial installation. Click Next> to continue.

- 8 If you chose Custom on the previous screen, the **Custom Setup** screen appears.
 - Click “Change...” to specify a different installation directory. This opens a **Change Current Destination Folder** dialog box. You can

type in a folder name, or you can select a folder from the drop-down menu. Click OK to continue.

- Click “Space” to view the disk space requirements and availability on your computer. Click OK to continue.
- 9 On the **Install Desktop Icon** screen, select the check box to add the SVAC 3.1.0 shortcut icon to your Desktop. Leave the box unchecked to not add the icon.

Click Next> to continue.

- 10 On the **Ready to Install the Program** screen, click Install to begin the installation.
- 11 When the installation is complete, the **InstallShield Wizard Completed** dialog box appears. Click Finish to exit InstallShield.
- 12 In some cases, after you click Finish you will see a dialog box prompting you to restart your computer. Click Yes to restart now. Click No to not restart; you will need to restart at a later time in order for the SVA Console to run correctly.
- 13 You should now be able to launch the SVA Console from the Start menu or, if you installed the Desktop icon, by double-clicking the SVAC 3.1.0 icon. See “SVA Console Startup” on page 6 for complete instructions.

STORING THE SVA CONSOLE CD-ROM ON UNIX

If you want to store the SVA Console CD-ROM on a UNIX server, the UNIX server must be Samba-capable, and the case-preservation option must be turned ON.

SVA CONSOLE STARTUP

Before you launch the SVA Console for the first time, you will need to obtain the following information from your SVAA server administrator:

- Host name (or IP address) on which the SVAA server is running.
- Name of the SVAA server (or TCP/IP port through which SVA Console will communicate with the SVAA server); see the following documents for SVAA server information:
 - *SVAA Configuration and Administration for OS/390*
 - *SVAA User's Guide for Solaris*
 - *SVAA User's Guide for HP-UX*
- Login ID and password.

To START THE SVA Console

Warning: Do not start a GUI or CPP trace while SVA Console is running; traces should be started before SVA Console startup.

- 1 From the Start menu, select Programs>StorageTek>Shared Virtual Array Console 3.1.0>SVA Console 3.1.0. This opens the SVA Console main window.
- 2 To actually work with the SVA Console, you must establish a connection with the SVAA server. To do so, select Connect>SVAA Server.

Note: The SVAA server must be running in order to establish a connection with it.

- 3 In the **Connect** dialog box, fill in the four text boxes (you should have obtained this information from your SVAA server administrator): "Host Name or IP Address", "Server Name or TCP/IP Port", "Login", and "Password". Click OK to establish the connection with the SVAA server.

Note: If you check the Reconnect at Startup check box, the SVA Console will automatically re-establish the connection to this server on the indicated host every time you execute the program. In addition, the same login will be posted, and you will be prompted to enter your password.

- 4 See the SVA Console Online Help for details on using SVA Console to manage your SVA subsystem.

SVA SUBSYSTEM CONFIGURATION

Before you can begin defining and updating your subsystem using the SVA Console, you must define a minimum SVA subsystem configuration using the subsystem's Local Operator Panel (LOP). The instructions below list the major steps in the LOP configuration procedure. For more detailed information, please refer to your subsystem's *Planning, Implementation and Usage* guide.

SVA CONSOLE INSTALLATION TROUBLESHOOTING

It has been our goal to make installation of the SVA Console as trouble-free as possible. However, problems may occur during installation. Following is a list of some of the error messages that may arise during installation along with what can be done to resolve the underlying problems.

There are two types of messages. Those that are displayed on your screen, and those that are logged in a file called Install.log located in your installation folder.

DISPLAYED MESSAGES

These messages can be displayed on your screen.

The folder you have selected c:\winnt\system is the system root. Files cannot be installed on the system root; please select a different folder.

The SVA Console software should not be installed in the system root.

Action Required: Select a different folder.

You are not logged as an Administrator on this machine. A shortcut will be added to your personal folder.

This message is displayed when you try to install the SVA Console on a computer for which you are not the administrator.

Action Required: None. A shortcut will simply be added to your personal folder.

An error occurred during the move data process:

Component: component name

File Group: file group name

File: file name

The named component, file group, or file may be damaged—or the program CD may be defective.

Action Required: If after restarting your computer the problem persists, please contact your product vendor for assistance.

unInstaller setup failed to initialize. You may not be able to uninstall this product.

There is a problem with the unInstallShield software.

Action Required: If after restarting your computer the problem persists, please contact your product vendor for assistance.

This program requires VGA or better resolution.

Your graphics card is below the minimum requirements of this application.

Action Required: You must replace it with an adequate graphics card before installing the SVA Console.

Not enough disk space on target drive while attempting to copy files.

Action Required: Delete extraneous files to make room for SVA Console files. If this is not possible, you will need to add more disk capacity to your system. The SVA Console requires slightly more than 18 MB of available disk space.

LOGGED MESSAGES

These messages are logged in a file called Install.log located in your installation folder.

File(s) failed to self-register: mscal.ocx

SVA Console uses an ActiveX calendar named mscal.ocx. This ActiveX control did not self-register correctly. The reason may be an unstable registry.

Action Required: Install and register the ActiveX manually, or through the relevant Microsoft patch.

Unable to launch regedit.

Regedit is the standard Windows NT registry editor. The registry is your computer's configuration data base in which system information—including information on software applications running on the system—is kept. Regedit is used here to register the SVA Console in your computer's registry.

Action Required: Check to be sure that the regedit executable file is present in your file system and that the Windows path variable is set properly to allow access to it. The path variable is specified in the Environment panel of the **System Properties** dialog box accessible by double-clicking the System icon in the Control Panel. If you moved regedit away from this path,

you will need to put it back—or redefine the path— while installing the SVA Console.

DE-INSTALLATION

Use the following procedure to de-install the SVA Console software from your computer:

Note: You must exit from the SVA Console before beginning this procedure.

- 1 From the Start menu, select Settings>Control Panel.
- 2 On the **Control Panel** screen, double-click the Add/Remove Programs icon.
- 3 In the **Add/ Remove Programs Properties** dialog box, the Install/Uninstall panel should be displayed. If not, click the tab at the top of the window.

Select Shared Virtual Array Console 3.1.0 and click Add/Remove.

- 4 On the **Welcome** screen, read the information and Click Next> to continue.
- 5 On the **Program Maintenance** screen, select Remove to de-install the SVA Console software. Click Next> to continue.

Note: The Modify and Repair options are used for customization and repair activities, respectively.

- 6 On the **Remove the Program** screen, click Remove to begin the de-installation.
- 7 When the de-installation is complete, the **InstallShield Wizard Completed** dialog box appears. Click Finish to exit. The SVA Console program files, Start menu selections, and Desktop icon should have been successfully removed from your computer.

Note: You will be notified if you had more files or folders than expected during the de-installation process. In that case, you can delete those files or folders manually.

- 8 On the **Add/Remove Programs Properties** dialog box, click OK to dismiss the dialog box, then close the Control Panel window.