

# Veritas™ ACC Library Installation Guide

AIX, HP-UX, Linux, Solaris

5.2.4.0

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- Product release level

- Hardware information
- Available memory, disk space, and NIC information
- Operating system
- Version and patch level
- Network topology
- Router, gateway, and IP address information
- Problem description:
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  - Troubleshooting that was performed before contacting Symantec
  - Recent software configuration changes and network changes

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## Customer service

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- Information about the Symantec Buying Programs
- Advice about Symantec's technical support options
- Nontechnical presales questions
- Issues that are related to CD-ROMs or manuals

## Support agreement resources

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Asia-Pacific and Japan	<a href="mailto:customercare_apac@symantec.com">customercare_apac@symantec.com</a>
Europe, Middle-East, and Africa	<a href="mailto:semea@symantec.com">semea@symantec.com</a>
North America and Latin America	<a href="mailto:supportsolutions@symantec.com">supportsolutions@symantec.com</a>

## Documentation

Product guides are available on the media in PDF format. Make sure that you are using the current version of the documentation. The document version appears on page 2 of each guide. The latest product documentation is available on the Symantec website.

<https://sort.symantec.com/documents>

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For information regarding the latest HOWTO articles, documentation updates, or to ask a question regarding product documentation, visit the Storage and Clustering Documentation forum on Symantec Connect.

<https://www-secure.symantec.com/connect/storage-management/forums/storage-and-clustering-documentation>

## About Symantec Connect

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<http://www.symantec.com/connect/storage-management>

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# Installing and removing the ACC library

This chapter includes the following topics:

- [About the ACC library](#)
- [Supported software](#)
- [Installing the ACC library](#)
- [Removing the ACC library](#)

## About the ACC library

The operations of a VCS agent depend on a set of Perl modules known as the ACC library. The library must be installed on each system in the cluster that runs the agent. The ACC library contains common, reusable functions that perform tasks, such as process identification, logging, and system calls.

Instructions to install or remove the ACC library on a single system in the cluster are given in the following sections. The instructions assume that the agent's tar file has already been extracted.

## Supported software

For information on the software versions that ACC Library supports, see the Symantec Operations Readiness Tools (SORT) site:  
<https://sort.symantec.com/agents>.

## Installing the ACC library

Install the ACC library on each system in the cluster that runs an agent that depends on the ACC library.

### To install the ACC library

- 1 Log in as superuser.
- 2 Download ACC Library.

You can download either the complete Agent Pack tar file or the individual ACCLib tar file from the Symantec Operations Readiness Tools (SORT) site (<https://sort.symantec.com/agents>).

- 3 If you downloaded the complete Agent Pack tar file, navigate to the directory containing the package for the platform running in your environment.

AIX	<code>cd1/aix/vcs/application/acc_library/version_library/pkgs</code>
HP-UX	<code>cd1/hpux/generic/vcs/application/acc_library/version_library/pkgs</code>
Linux	<code>cd1/linux/generic/vcs/application/acc_library/version_library/rpms</code>
Solaris	<code>cd1/solaris/dist_arch/vcs/application/acc_library/version_library/pkgs</code>

- 4 If you downloaded the individual ACCLib tar file, navigate to the pkgs directory (for AIX, HP-UX, and Solaris), or rpms directory (for Linux).
- 5 Install the package. Enter **Yes** if asked to confirm overwriting of files in the existing package.

AIX	<code># installp -ac -d VRTSacclib.bff VRTSacclib</code>
HP-UX	<code># swinstall -s `pwd` VRTSacclib</code>
Linux	<code># rpm -i \ VRTSacclib-VersionNumber-GA_GENERIC.noarch.rpm</code>
Solaris	<code># pkgadd -d VRTSacclib.pkg</code>

## Removing the ACC library

Perform the following steps to remove the ACC library.

**To remove the ACC library**

- 1** Ensure that all agents that use ACC library are removed.
- 2** Run the following command to remove the ACC library package.

AIX	# installp -u VRTSacclib
HP-UX	# swremove VRTSacclib
Linux	# rpm -e VRTSacclib
Solaris	# pkgrm VRTSacclib



# Changes introduced in previous releases

This appendix includes the following topics:

- [Changes introduced in previous releases](#)

## Changes introduced in previous releases

The following changes were introduced in the previous releases:

- An extra command line option `w` is passed to the Berkeley form of the `ps` command when the sub-routine `Proc::GetLongProcessListHash` is called with the environment flag option. This change is restricted to the AIX platform only.
- Limited the rotation of log files of all agents that depend on the ACC Library to `Agent_C.log`. With this change, the oldest agent log maintained on the system will be `Agent_C.log`. Earlier, the oldest agent log file maintained was `Agent_Z.log`. This change is applicable on the AIX, HP-UX, Linux and Solaris platforms.
- The default size of log files of all agents that depend on the ACC Library would be restricted to 32Mb in the absence of the `engine_B.log`. Earlier, the default size before log rotation was 20Mb. This change is applicable on the AIX, HP-UX, Linux and Solaris platforms.
- Fixed the problem with sub-routine `Sys::RunWithEnvCmdWithOutputWithTimeOut` to execute a process in background.
- `VCSagentFW.pm` now exports `haxxx` commands. Ensures identical code base for agents needing `haxxx` commands for VCS 4.0 and later.
- Improved functionality and performance of the library.

- Proc.pm: GetProcessListHash now internally calls GetLongProcessListHash.
- Proc.pm: Enhanced KillPIDandAllChildren. Killing is faster. Removes bug where OS error string for kill 0 was incorrectly being checked.
- Cleaned up log messages for better readability.
- Fixed the sub-routine `Proc::RemoveIPCResourcesForUser` to handle failure of the `shmctl(2)` call in conjunction with the `IPC_STAT` command on the AIX platform, when the size of the shared memory region is greater than or equal to 4Gb from 32-bit VRTSperl.  
Updated the sub-routine `LogInt::Message` to avoid using `halog(1M)` inside Solaris zones during monitor and clean entry points. Logging for these entry points will be done to *Agent\_A.log* only, and messages will no longer be logged to the *engine\_A.log* which is in the global zone. The behavior for other entry points remains unaffected.