

StorageTek Automated Cartridge System Library Software

SNMP Agent
Release Notes

Version 2.1.1



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Revision History

Date	Revision	Description
March 2011	E22183-01	This document supports the ACSLS SNMP Agent 2.1 for the Solaris 10 SPARC and x64 platforms.

Overview

This release of the ACSLS SNMP Agent is intended strictly for ACSLS users on Solaris-10. The package name is `STKacsnmp`. The overall function of the ACSLS Agent remains unchanged from release 2.0.5, but the manner that the agent starts and stops has changed and the method of restarting the agent has changed. Please refer to the ACSLS SNMP Agent Installation and User's guide for a detailed description of these features.

SMF

In prior releases of the ACSLS SNMP Agent, a restart daemon (*AcslsReStartAgent*) was launched each time the agent itself was initialized. The primary task of this daemon was to restart the ACSLS agent whenever it stopped running. The daemon also kept watch over ACSLS in order to stop and restart the ACSLS agent whenever ACSLS service was interrupted. Beginning with version 2.1.0 of the ACSLS snmp agent, the control of these restart functions are under the management of the Solaris Service Management Facility. SMF will stop the agent whenever ACSLS stops. SMF will restart the agent when ACSLS re-appears. In addition, if the agent process should be killed for any reason, SMF will immediately restart the agent.

The `acsnmp` service can be monitored using the SMF command `svcs acsnmp`. The `acsnmp` service can be enabled or disabled using the SMF command `svcadm enable` or `svcadm disable`. Should the `acsnmp` service fail to start for any reason, the failing dependency will be logged in the SMF service startup log, `/var/svc/log/application/management/acsnmp:default log`. The prior start/stop utility `acsnmp_ctl` and the monitor utility `pingAcslsAgt` have been eliminated in this release and two new utilities have been introduced: *agentRegister* and *agentStatus*.

agentRegister

The *agentRegister* command is used as the means to communicate the existence of the ACSLS agent to the Solaris environment and to pass configuration changes in the ACSLS agent to other subsystems. When this utility is run immediately after installation, it will register the new `acsnmp` service with SMF. Thereafter, you can run *agentRegister* as a means to communicate to the master agent any configuration changes (such as community, port or trap port) that are to be used by the ACSLS agent.

agentStatus

This utility replaces *pingAcslsAgt* to display all of the common configuration dependencies required for successful SNMP communication. The utility displays the current definitions for communities, hosts, and trap hosts, and then tests each host connection and community configuration. If there are errors in the configuration, you can likely identify them using this utility.

SNMP Limitation with ACSLS 8.0

ACSL 8.0 first introduced the concept of *logical libraries*. Any tape drives that are assigned to a logical library are visible only to the client associated with that library. Therefore, any other client (including the ACSLS SNMP Agent) will not have visibility to the tape drives assigned to a logical library. Please check the SunSolve database (<http://sunsolve.sun.com>) for the availability of patch ID 143801 (SPARC) and 143802 (X86) to address this limitation.