StorageTek™ ACSLS

SNMP Agent

Release Notes for Solaris

316134101

Version: 2.1

Automated Cartridge System Library Software

SNMP Agent

Release Notes for Solaris

Version 2.1

Sun Microsystems, Inc.
www.sun.com

Part No. 316134101
October 2009

Copyright 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at http: / / www.sun.com / patents and one or more additional patents or pending patent applications in the U.S. and in other countries.

This document and the product to which it pertains are distributed under licenses restricting their use, copying, distribution, and decompilation. No part of the product or of this document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any.

Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X / Open Company, Ltd.

Sun Microsystems, the Sun logo, Java, AnswerBook2, docs.sun.com, Solaris, and StorageTek are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and in other countries.

All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and in other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

U.S. Government Rights—Commercial use. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, Californie 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. a les droits de propriété intellectuels relatants à la technologie qui est décrit dans ce document. En particulier, et sans la limitation, ces droits de propriété intellectuels peuvent inclure un ou plus des brevets américains énumérés à http: / / www.sun.com / patents et un ou les brevets plus supplémentaires ou les applications de brevet en attente dans les Etats-Unis et dans les autres pays.

Ce produit ou document est protégé par un copyright et distribué avec des licences qui en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a.

Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X / Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Java, AnswerBook2, docs.sun.com, Solaris et StorageTek sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays.

Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une license non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciées de Sun qui mettent en place l'interface d 'utilisation graphique OPEN LOOK et qui en outre se conforment aux licences écrites de Sun.

LA DOCUMENTATION EST FOURNIE "EN L'ÉTAT" ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISEE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFAÇON.

Please
Recycle

Adobe PostScript

Rev AA • 316134101

Revision History

EC	Date	Revision	Description
EC000993	October 2009	AA	This document supports the ACSLS SNMP Agent for Version 2.1.

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 acsnmmp 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

ACSLS 8.0 has introduced the concept of logical libraries. The resources (tape drives and volumes) contained in logical libraries are visible only to the clients for which the logical libraries were configured. Therefore, any other client (including the ACSLS SNMP Agent) will not have visibility to the resources assigned to a logical library. An ACSLS 8.0 patch that addresses this limitation is currently in development and will be released some time after the initial release of ACSLS 8.0. Until then, tape drives that are assigned to logical libraries cannot be monitored by the ACSLS SNMPAgent.