SimpleSnmpProxy™

SNMP version translation within the intranet and across firewalls

SimpleSoft

Simplifying

Network
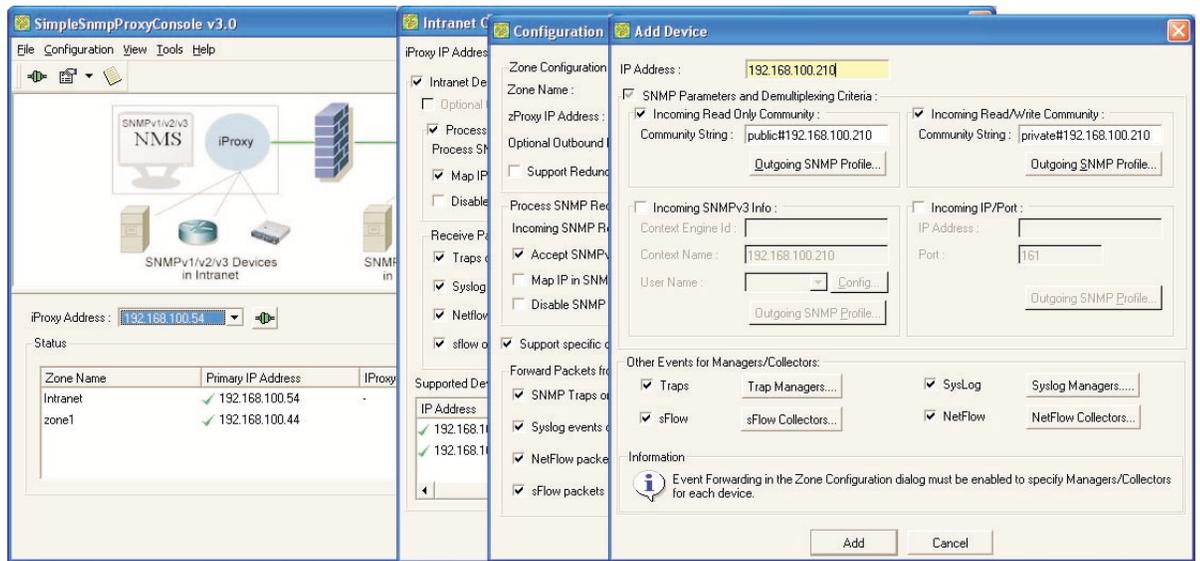
Management

Overview

Network Management Systems (NMS) using the Simple Network Management Protocol (SNMP) are widely deployed to manage today's corporate networks. As the three versions of SNMP (v1, v2c and v3) can all be found in these heterogeneous networks, sometimes there is a mismatch between the versions supported by the NMS and those supported by the device. In additon, firewalls which break up these networks into zones with varying levels of security are often set up to block UDP/SNMP traffic. This makes the resources in the cordoned off zones invisible to the NMS.

SimpleSnmpProxy is an easy-to-deploy software solution that provides version translation, event forwarding, and management visibility to firewalled resources. It provides SNMP protocol translation between the various versions of SNMP allowing an SNMPv1 NMS to manage a SNMPv2c or v3 device or a SNMPv3 application to manage a SNMPv1 device. It also allows SNMP traps, informs, syslog, neflow and sflow packets to be forwarded both in the intranet and from restricted zones to one or more specified managers/collectors. In addition, it **securely** provides management visibility to the resources within cordoned-off zones like the DMZ. Your existing NMS can now be leveraged to manage devices with unsupported SNMP versions and critical resources like eCommerce servers within the DMZ, without compromising security.

SimpleSnmpProxy is made up of the "**iProxy**" that runs on the intranet side. It does the protocol translation and demultiplexing when communicating with intranet devices. For managing devices in the restricted zone, the "**iProxy**" communicates over an **encrypted TCP connection** with a "**zProxy**" that runs within the restricted zone. Only a single port/rule is required to be added to the firewall to enable UDP based management traffic like **SNMP, NetFlow, sFlow and Syslog** to be securely forwarded to the management and collector systems in the intranet. A version supporting IP Mapping, where virtual IPs are added to the iProxy is also available.

If you need to **also configure users, passwords and privileges** on SNMPv3 devices when using an existing SNMPv1/v2 NMS to manage SNMPv3 devices, please take a look at our **SimpleSecureProxy** product.

Features & Benefits

SimpleSnmpProxy is an easy-to-deploy, software solution whose benefits include:
   • Translation of all versions of SNMP(v1/v2c/v3) requests and traps/notifications.
   • Forwarding of traps, informs, syslog, netflow and sflow packets to one or more managers/collectors.
   • Leveraging your existing intranet NMS to securely manage critical resources in restricted zones.
   • Just a single port/rule allowing encrypted TCP traffic, enables management of restricted zones like DMZ.
   • Same solution can be deployed for securely managing remote offices over restricted WAN links.

SimpleSnmpProxy features include:
   • iProxy can be co-located on the same machine as the NMS. Redundant zProxies are also supported.
   • DES based encryption is included. Use of SSL with stunnel/openssh is also easily configurable.
   • Trap/Syslog events and NetFlow/sFlow packets from restricted zones can be securely forwarded.
   • Virtual IPs can be added to the iProxy to simplify NMS support for proxied resources and for hiding IPs.
   • A local, easy to use graphical utility is included for configuration along with a command line utility.

System Requirements

SimpleSnmpProxy is available on
   • Microsoft Windows 2000/XP/2003/2008

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