

A Summary

NuDesign SNMPv3 Master Agent Service for Linux comes bundled with Host-MIB and MIB II Extension Agents. It fully implements secure SNMPv3 version of the protocol. The SNMPv3 start-up configuration is implemented via the text based configuration file with a template file provided with the product. NuDesign' SNMPv3 Agent Service for Linux operates over IPv6 / IPv4 networks.

The SNMPv3 Agent Service for Linux support 32 bit and 64bit current Desktop and Server Linux distributions, it also supports RHEL5 and other distributions built for OS/ABI Unix System V.

NuDesign's SNMPv3 Agent Service for Linux provides facility for automated production time installations of unique configurations across multiple Linux Servers.

NuDesign's companion product, Visual Embedded xAgentBuilder 9 for C++, a core product of SNMP Agent Studio for Linux generates 32bit and / or 64bit Extension Agent code and builds GNU tools project for any standard or custom MIB. The developer supplies only the final object instrumentation methods code.

The full feature, free evals of NuDesign SNMPv3 Agent Service for Linux and Visual Embedded xAgentBuilder 9 for C++ are available for download at NuDesign's site at www.ndt-inc.com.

Benefits of using NuDesign SNMPv3 Master Agent Service

- It supports SNMPv1/v2c/v3 access to MIB objects, implemented as extension subagents in a form of shared object libraries. A full SNMPv3 support is offered, v3 security (CBC-DES & 3DES, or AES-128, AES-192 & AES-256 privacy and HMAC-MD5 or HMAC-SHA & SHA-2: SHA224, SHA256, SHA384 & SHA512 authentication) & v3 Admin Framework for Notifications (implements SNMP-TARGET-MIB & SNMP-NOTIFICATION-MIB)
- it allows Extension Agents to be started or stopped dynamically, without interrupting the Agent Service, with the help of command line interface.
- it supports remote subagents, either the lightweight subagents based on UDP / SNMP BER encoding, or the TCP/IP based subagents using the IETF's AgentX - rfc2741 standard. The NuDesign SNMPv3 Master Agent Service can control a network of desktop and / or embedded devices equipped with AgentX subagents.
- it provides full support for all SNMP notification types (v1/v2/v3 traps and informs with callback API that provides Extension Agent status information on sending informs).
- it fully implements SNMP Proxy Forwarder Application as per rfc3413.
- it is a multithreading, non-blocking Service. One thread listens to incoming requests and the other threads are responsible for satisfying the requests.

Sales Information

NuDesign SNMPv3 Agent Service is sold in runtime bundles of 1, 25, 100 or 500. Please ask for, respectively: NDT-3110, NDT-3100, NDT-3101 and NDT-3102. Request annual support product including full technical support and subscription, products NDT-31xx-SC.

About NuDesign Technologies

NuDesign Technologies, Inc, based in Toronto, Canada, specializes in the development of management agents and client applications used in remote configuration, monitoring and control of Windows and Linux Servers & Workstations, embedded devices, networking services and applications. For all of our software products, supporting standard management protocols such as NETCONF, SNMP, CLI and web protocols such as RESTCONF, please visit our main site at www.ndt-inc.com.

The benefits of deploying NuDesign's management software technologies are reliable, low risk, quick-to-market and well supported solutions. The highly automated code generation tools with associated applications and tutorials enable fast prototyping and development. They also facilitate organization and design process for multiple target environments.

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