

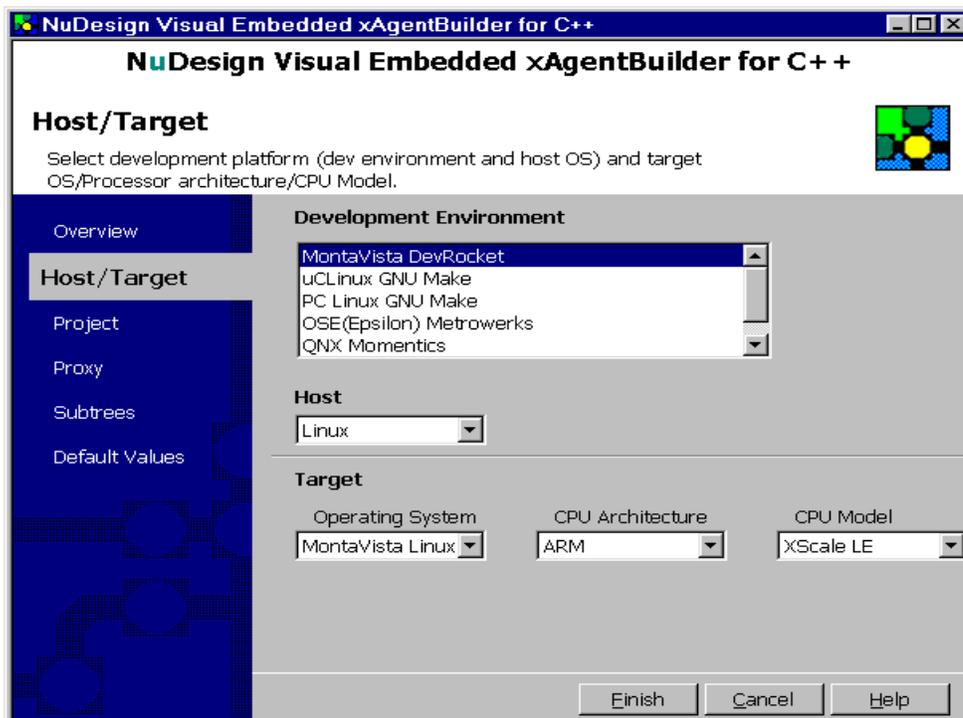
# NuDesign's Visual Tools for SNMP Agent Development

NuDesign provides its highly automated Multiprotocol SNMP Agent code generation technology for developers of agents for MS Windows, PC Linux and embedded OS/RTOS'es such as Embedded Linux, QNX Neutrino®, WindRiver VxWorks, Microsoft Windows Embedded and ENEA OSE among others.

NuDesign's SNMP Agent generation wizard allows developers to quickly create agents with SNMPv3, HTTP and Simple Development Console access to managed information. The product is management objects centric, enabling creation of new or re-use of existing instrumentation code, for access by SNMP, CLI and web based applications. The wizard also generates MIB-specific Web pages that can be modified for a custom look and feel. A MIB II subagent is included with the product.

A standalone Agent or Master Agent and dynamically loadable extensions and/or Remote Subagents are supported. A lightweight Remote Subagent code based on UDP and SNMP BER encoding, or the IETF TCP/IP AgentX encoding library, based on rfc2741 Remote Subagent standard, are provided.

Please also see Product Briefs for NuDesign's SNMP Manager and Command Line Interface (CLI) agent code generation tools and how they integrate together.



***Build and run your Agent in minutes!!!***

For more information and product evaluation kit please visit [www.ndt-inc.com](http://www.ndt-inc.com)

## The Tools Consist of:

- **Visual MIBuilder**, an application for visually building your system's management information objects model (MIB) in SMIv1 or SMIv2 grammar.
- **SNMP Agent Studio for Embedded RTOS** (hosted in Windows) containing **Visual Embedded xAgentBuilder for C++**, the SNMPv3/HTTP/Console Agent Source Code and Project Files Generation Wizard (generates sources, headers and Make files for supported IDE platforms). Includes an **SNMPv3 Configuration Editor** as well.
- **SNMPv3 SDK Libraries**, embedded environment specific libraries. The SNMPv3 libraries support the following user selectable v3 security protocols: HMAC-MD5 or HMAC-SHA & SHA-2: SHA224, SHA256, SHA384 & SHA512 authentication and CBC-DES & 3DES, or AES-128, AES-192 & AES-256 privacy protocols.
- **Visual SNMP Traffic Monitor**, an easy to use application that provides capture, custom filtering, decoding, storage and retrieval for later review of SNMP exchanges, including encrypted. The data is parsed and displayed using object's MIB names.
- **Visual MIBrowser Pro**, the SNMPv3 management application, an essential tool in development and testing phases. Includes SNMPv3 configurations and SNMP VB scripting capability for generating agent specific test cases.

All four tools contain NuDesign's **MIB Compiler** technology adapted to the task: most stringent in MIBuilder, oriented on generation of agent code in xAgentBuilder, and with selectable tolerance in MIB Browser Pro and SNMP Traffic Monitor.

## 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](http://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.

## Contact Information

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