



NuDesign's Visual Tools for SNMP Manager Development

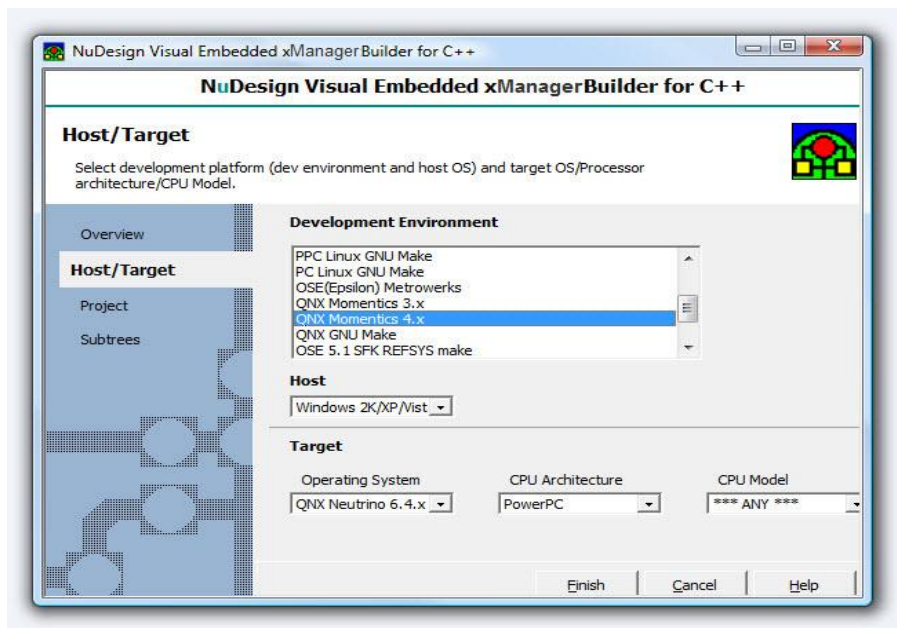
The NuDesign C++ SNMP Manager Studio Development Tool provides a complete SNMPv3 Management Application development framework. The supported target environments are MS Windows, Linux & embedded RTOS'es such as QNX Neutrino.

The Studio Consist of:

- SNMP xManager Builder, C++ code generation wizard. It generates SNMPv3 Management Application sources for target OS/RTOS and Project Build files for supported development environments.
- SNMPv3 C++ SDK Libraries for multithreaded SNMP Manager Application for target OS/RTOS. Supports all SNMP commands (Get/Set/GetNext) & SNMP notifications including Informs.
- Sample code in C++ demonstrating typical management functions, such as Get Table, MIB Browser, SNMP Polling Engine, Trap handling and others.
- SNMPv3 Manager Configuration Editor.

Supported host environments are Windows 7 / Vista / XP / 2000 / Server 2008 & 2003.

When xManager Builder is run, the developer can load MIBs into the visual wizard. By loading the MIBs at design time, information about the MIB objects is available programmatically to the developer. Most commonly used MIB object information such as OID and object name, access and status are made available.



However, through the use of **XMC** files, created by the xManager Builder, pre-compiled MIB information can be read by the NuDesign SNMP management libraries to provide the MIB information at run time as well. The **XMC** files can be considered to be a concise version of the MIB file. Each object in the MIB file is represented by a single row in the **XMC** file.

The information from the **XMC** files can be used to recreate the mib tree present in the SNMP agent. The information can also be utilised by the management application to make GET/SET commands using the object names rather than the object OIDs. On notification reception, varbinds can be decoded using the mib information to provide users with object names.

The resulting SNMP Management Application runs under the target OS/RTOS'es. The process of building the SNMP Management Application using the SNMP xManager Builder wizard, the SNMPv1/v2c/v3 C++ Management SDK Libraries, generated C++ source code and project files is automatic.

Please also see Product Briefs for NuDesign's SNMP Agent and Command Line Interface (CLI) agent code generation tools and how they integrate together. For more information and product evaluation kits please visit www.ndt-inc.com

About NuDesign Technologies

NuDesign Technologies, Inc, headquartered in Toronto, ON, Canada, specializes in providing Visual SNMP, CLI, web/XML manager & agent development applications, tools, libraries and consulting services, products such as SNMP & CLI Agent / Manager code generators, MIB Builders, MIB Browsers, MIB Compilers, SNMP Traffic Monitors and C++ SNMP Development Libraries with SNMP Controls to developers worldwide.

The benefit of deploying NuDesign's management software technologies are reliable, low risk, and quick-to-market solutions, supporting SNMPv3 over IPv4 / IPv6 networks, web protocols and serial, CLI command line access. The highly automated SNMP and CLI Agent & Manager tools with associated tutorials enable fast prototyping and development, facilitate organization and design process while supporting multiple target environments with generation of very complete and ready to build SNMP and CLI Agents & Managers.

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