

1. NuDesign SNMPv3 Agent Service – Remote Deployment Overview

This document outlines the process for deploying a validated NuDesign SNMPv3 Agent Service configuration across multiple Windows systems while maintaining SNMPv3 compliance, including unique EngineIDs for each agent.

The source system used for configuration deployment must have been fully validated for the production environment, including successful operation of the NuDesign SNMPv3 Agent Service with all required agents and managers.

All USM usernames, credentials, and VACM configurations must be verified and tested prior to deployment.

2. Prerequisites

From the validated source system, collect the following files:

- NuDesign SNMPv3 Agent Service installation package
- License file
- Silent installation response file (*.iss see below)
- Current validated configuration file (NDMPCfg64.reg from C:\ProgramData\NuDesign Tools\NuDesign SNMPv3 Agent Service\)
- Customized NDMPDynConfig.xnv file edited to contain a secure DynUsmUserTable table

3. Source System Preparation

1. Uninstall the existing NuDesign SNMPv3 Agent Service.
2. Reinstall the service using silent installation mode to generate the response file:
`NuDesign_SNMPv3AgentService(x64)_<revision>.exe -s -f1"C:\tmp\silentResponse.iss"`
3. When prompted during re installation, select the option to use the existing configuration.

4. Target System Deployment Script

Develop a silent deployment script that performs the following:

1. Copy the license file and NDMPDynConfig.xnv to:
C:\Windows\System32

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2. Create the directory:

C:\ProgramData\NuDesign Tools\NuDesign SNMPv3 Agent Service\

3. Copy NDMPCfg64.reg to the ProgramData directory.

4. Execute the silent installation:

"NuDesign_SNMPv3AgentService(x64)_<revision>.exe" -r -f1"C:\tmp\silentResponse.iss"

5. Deployment

Transfer the installation package, configuration files, and deployment script to each target system and execute the script to complete the installation.

Note 1:

Ensure all SNMPv3 user credentials, VACM settings, and EngineID uniqueness requirements have been validated prior to deployment.

Note 2:

Use of silent installation mode and the *.iss response file greatly simplifies the mass installation process.

For completeness we included a PDF document "[NuDesign SNMPv3 Agent Service Mass Installation - Documenting All Steps](#)" that provides a description of all the steps involved in the Mass Installation process if conducted without the use of the *.iss response file.

6. About NuDesign Technologies

NuDesign Technologies, Inc, based in Toronto, Canada, specializes in the development of SNMP 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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