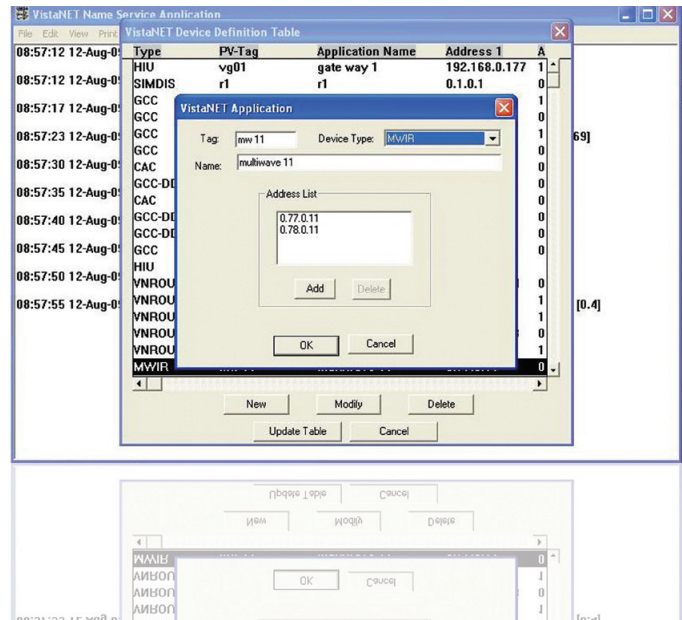


VistaNET VNSA (Name Service Administrator) VistaNET



Definition

VNSA is an administrative program that keeps three tables: device definition, user password and router. VNSA is only required in a system in which security is needed, or when redundancy on RS485 VistaNET system is required. VNSA distributes these three tables and allows edits to be performed on them; this application is a service on V 3.0.0.0 of the VistaNET software.

Purpose

VNSA simplifies and automates VistaNET system configuration and security at a remote location. It is important to note that a PC and VNSA software are not required for enabling dedicated and secured data transfer to the DCS. Destination information and security can be manually entered for each device connected to the network. However, with the PC and VNSA software, it is very easy to maintain, update and automate VistaNET system configuration and security.

Services

VNSA provides three services:

- Device Definition Table
- User/Password Table Services
- Router Table Services

The Device Definition Table allows applications to be referenced to by textual names, tags, rather than by addresses. Applications providing menus for specifying routing destinations allows users to reference the end-application by name rather than having to remember the device number and domain.

The User/Password table is used to restrict access to applications. VNSA enables the user to define the Name, Password, and Access Level for each user of VistaNET.

VistaNET VNSA

There are three levels of access: Supervisor, Normal, and Limited. The Supervisor Level determines who has access to the User Table. The Normal level determines who can read, edit, modify or change screens. The Limited level determines who can view screens but they cannot modify or change the screens.

The Router Table defines the data path between different VistaNET domains via the plant LAN and VistaROUTER. Any VistaNET network with dual domains requires VNSA for operation. If one or more VNSAs are contained within a system, the RUI for VNSA would allow examination and/or modification of the tables. If the data is changed, VNSA is responsible for sending a new copy of the data to each VistaNET device.

Each device includes a VNSA address as part of its initial configuration. When a device comes on-line, or anytime thereafter, tables are obtained from VNSA via a keyboard request.

For more information please contact:

ABB Inc.

Analytical Measurements

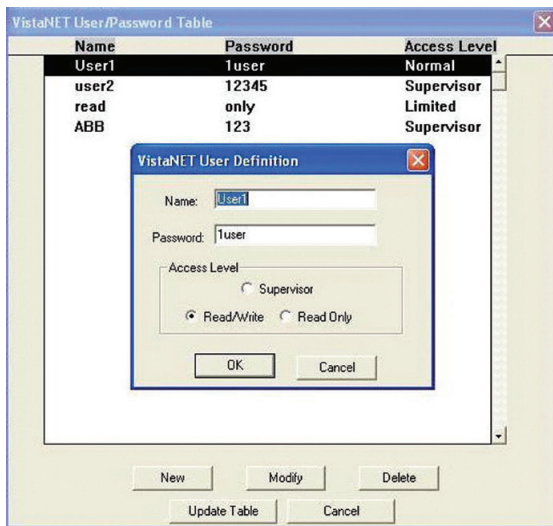
843 N. Jefferson Street
Lewisburg, WV 24901
USA

Phone: 1 304 647 4358

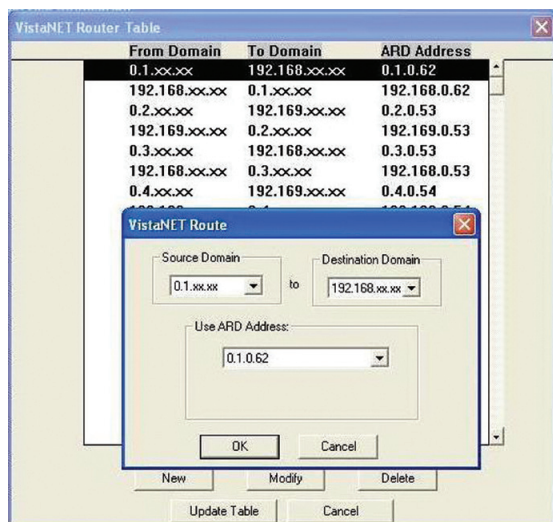
Fax: 1 304 645 4236

email: analyzeit@us.abb.com

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VNSA Permissions



VNSA Router Table

Note

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