straton for DNP3

Configuration tool for DNP3 protocol

DNP3 (distributed network protocol) for straton facilitates the integration of industry-standard protocols and applications, and simplifies the configuration process by providing the end users with easy-to-use graphical tools..

straton

DNP3

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DNP3 PROTOCOL :

DNP3 is a non-proprietary protocol that provides the rules for outstations and master station to communicate data and control commands. DNP3 try to comply as much as possible with existing standards efforts, especially IEC 60870-5.

Widely used in the electric utility industry, DNP3 provides open communications over a wide geographical area. In a DNP3 network, a control-room SCADA master typically supervises Remote Terminal Units (RTUs) and Intelligent Electronic Devices (IEDs) by storing all of the incoming data from Outstations, displaying the system for the human operators, and initiating commands.

ADVANTAGES

The DNP3 protocol has significant features that make it highly robust and efficient. DNP3 was designed to optimize the transmission of data acquisition information and control commands from one devise to another by reducing the bandwidth as possible. The event-oriented data reporting is one of these advantages; decreasing the network load

and providing buffers with stamped data. This can result in significantly more responsive data retrieval than polling everything, all the time, irrespective of whether it has changed significantly.

DNP3 IN STRATON

▸ Configuration tools integrated into the straton environment

▸ Easy-to-use graphical tool to declare parameters, variables, and commands .

▸ Import/Export variables

▸ Date an time informations for analysis

▸ Automatic and manual execution of Operate sequence

▸ Definition of device capabilities (control model) using UDFBs

▸ Select communication Link Serial / UDP / TCP

▸ Storage of events with resizable buffers

▸ Advance Diagnostic with numeric variables and messages

▸ In addition to DNP3, COPA-DATA supports IEC 60870 and IEC 61850, two other common standards in the utilities industry.

FAST FACTS

▸ Integrated configuration tool
▸ DNP3 master/ outstation
▸ Quality bits
▸ Time stamping