JENEsys® Harmony

Automating the Integration Process

JENESys by Lynxspring

HARMONY

JENEsys Harmony acts a filter for disparate devices to create a homogenous control system.
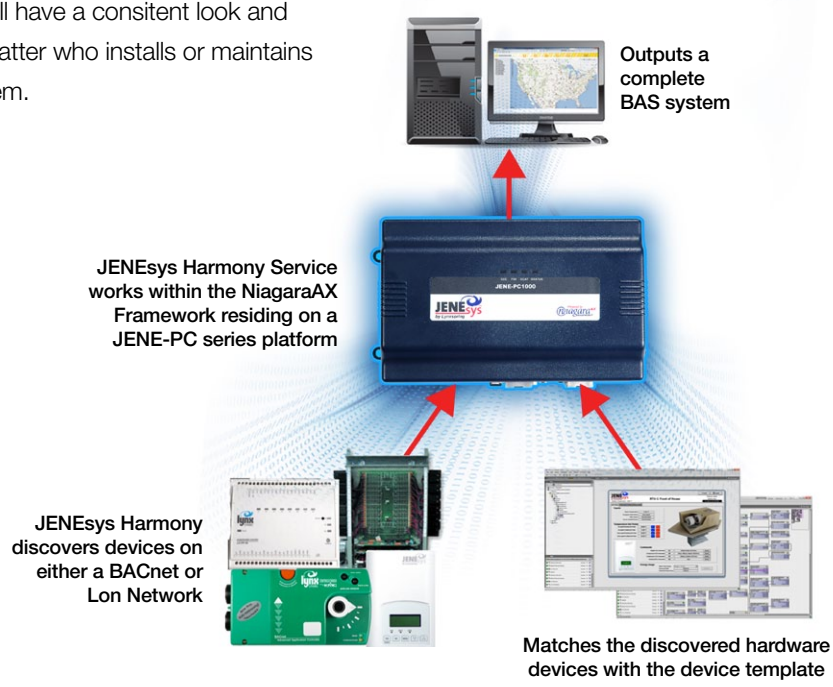
Streamline Your Building Automation Systems

Contractors today are looking for reliable solutions that streamline the often time-consuming task of commissioning devices and systems to reach the end goal of a unified and integrated Building Automation System (BAS). By automating common tasks, training costs are reduced and operation resources are more efficiently managed. Less time spent on the job translates into increased net profits and satisfied building owners and end users.

JENEsys® Harmony is Lynxspring's latest offering of NiagaraAX® services intended to reduce a contractor's commissioning and engineering costs by getting them off the job quickly and profitably. As a building owner, JENEsys Harmony provides you the assurance that the installed field devices associated with your building automation system will have a consitent look and feel, no matter who installs or maintains your system.

JENEsys Harmony provides NiagaraAX contractors with a tool to define templates that ensure fast and accurate engineering and commissioning at your customer's site. Templates can be defined for any building automation product that uses either LONWORKS® or BACnet as the underlying communications layer. Once the template is defined, automation takes over and with a single mouse click the devices in your installation are automatically discovered and commissioned. Lynxspring has defined templates for the products that we sell, and you can define templates for other LONWORKS and BACnet products. Get off the job cleaner, faster and more accurately. Get the job done right the first time with JENEsys Harmony, Lynxspring's product that automates automation.

Outputs a complete BAS system

JENEsys Harmony Service works within the NiagaraAX Framework residing on a JENE-PC series platform

JENEsys Harmony discovers devices on either a BACnet or Lon Network

Matches the discovered hardware devices with the device template

JENE-PC series controller hosts
the JENEsys Harmony Service
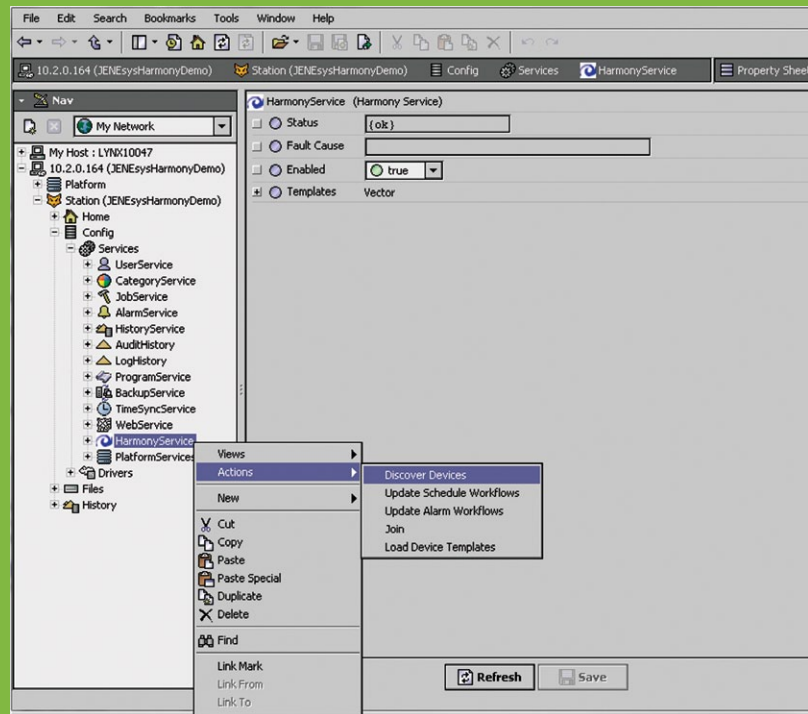
Benefits of JENEsys Harmony

...for the contractor

• Decreased commissioning and engineering process reduces final installation costs and project overhead

• Consistent and repeatable device templates automate the discovery and commissioning of BACnet and LonWorks devices, regardless of manufacturer

• Intuitively navigate disparate BAS control systems and communication layers

• Future-proof templates are available for previous generation devices

• Personnel and operations resources are efficiently managed

• 3rd party software integration capabilities

...for the building owner

• Easily accessible usage and performance data with intuitive GUIs

• Reduced installation costs

• Increased staff productivity

• Consistent appearance and performance no matter who installs or maintains the BAS

...for National Account Rollouts

JENEsys Harmony is ideal for National Accounts rollouts as it reduces engineering time for integrators where standardization templates on unitary devices have been applied. Any NiagaraAX extension that lives in a device's template will automatically become part of the station when the template is used.

JENEsys Harmony device
discovery window

Pop-Up windows indicating the status of the
Harmony Discovery, BACnet Discover Devices,
Lon Discovery and the Lon Commission process

JENEsys® Overview

JENEsys Harmony is a software application within Lynxspring's JENEsys suite of JAVA-based hardware devices and software applications powered by the revolutionary NiagaraAX Framework. The JENEsys Product Suite is specifically designed to address the challenges of building device-to-enterprise applications, Internet-enabled products, and Internet-based automation systems.

JENEsys "normalizes" disparate data into a single database enabling seamless integration. Normalization provides a structure and rules allowing BAS integrators to intuitively navigate and interact with disparate control systems. By transforming the data from diverse external systems into normalized components, NiagaraAX creates a development architecture that provides substantial benefits over gateway-based integration methods that suffer the complexity of N-to-N architecture.

The benefit is any device or system normalized by NiagaraAX immediately becomes compatible with any other system connected to the Framework. This provides true inter-system interoperability and uniform data presentation to enterprise applications. As a result, developers don't have to spend any time creating, testing and reevaluating multiple gateways.

About Lynxspring

Lynxspring, Inc. is a leader in web-based automation technology, open modular control platforms, and device-to-enterprise integration solutions. Our customers include equipment manufacturers, systems integrators and end users involved in the Building Automation, Energy, Security, Asset Monitoring, M2M and National Accounts markets.

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