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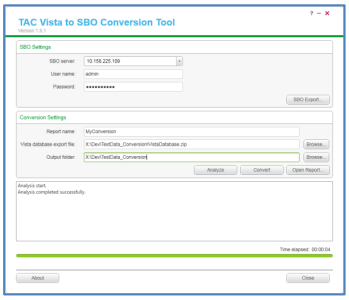
TAC Vista™ Transition to StruxureWare™ Building Operation

Conversion Tool and Xenta™ to SmartX Controller - AS-P Adapter



PRODUCT AT A GLANCE

Product Announcement Number
PA-00524

- TAC Vista to StruxureWare™ Building Operation Conversion Tool
- Xenta to SmartX Controller - AS-P Adapter

All TAC Vista Transition materials can be found on The Exchange.

- Explore the TAC Vista Transition section

Other materials include:

- WebHelp
- Vista Transition Reference Guide for technical details
- Presentation for system integrators
- Presentation for end customers
- Xenta to AS-P Adapter Installation Instruction

Schneider Electric is pleased to introduce the TAC Vista Conversion Tool and an adapter for replacement of TAC Xenta™ IP devices with the SmartX Controller - AS-P, the next generation automation server.

The Conversion Tool allows you to save significant time when converting a TAC Vista installation to StruxureWare Building Operation with:

- Automatic object creation
- Automatic internal binding recreation
- Reduced re-commissioning time and reduced test time
- Reports on manual engineering required
- Reports on gaps and differences after conversion
- LON network move from Vista to SmartStruxure without new commissioning

The conversion tool also assists when modernizing some parts of the system, such as creating new graphics.

The Conversion Tool program can run on any PC. It has two main functions: Analysis and Convert. It takes a Vista export as input, and in Conversion mode it logs into a SmartStruxure server and creates content. For just Analysis, no SmartStruxure Server is used. In both cases an extensive report is created.

The majority of controllers, field devices and network infrastructure products used in a Vista system can remain when converting to the new system.

There are differences between the Vista and StruxureWare system architectures. To make the converted system compliant and more future-ready, Xenta 500/700/911/913, and most LON adapters must be replaced with a SmartX Controller - AS-P.

The Conversion Tool supports the replacement. The Xenta to AS-P Adapter makes it very easy to modify a Xenta 500/700/911/913 installation; no panel rewiring is needed in most cases.

Early versions of the Conversion Tool have used the Transition Portal for Analysis, whereas with the current version both Analysis and Conversion are done on the local computer.

Benefits of transition

TAC Vista, including its software suites (mainly Vista Server, Vista Workstation and Vista WebStation), and Xenta controllers have been a well-established BMS system for many years and used successfully in various types of applications. Xenta controllers, except Xenta IP devices, are fully supported in the new system. The Vista software is feature-rich, but due to new technology offerings, it no longer meets customers' expectations with regards to features, cybersecurity enhancements, and more.

The advantages of StruxureWare for Vista users include:

- WebStation: anywhere, anytime access with standard web browser, independent of Java
- Mobile applications: manage day-to-day tasks conveniently using a tablet or smartphone
- Native BACnet® support, an increasing demand in most markets
- Web Services: access to various services, such as weather services, utility rates, demand/response
- EcoStruxure Web Services: integration with other Schneider Electric solutions, such as data center and power management
- Increased access to connected services

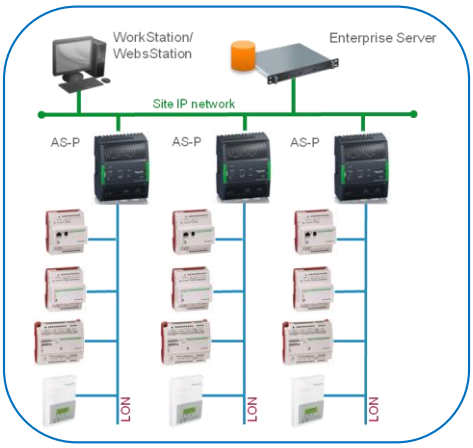
All TAC Vista installations are subject to transition. Even though StruxureWare and the Conversion Tool cannot fully automatically support all Vista architectures, each customer should be prepared and a transition plan should be established. This will also increase the possibility to combine the transition with other enhancements where the potential of StruxureWare Building Operation or services is utilized.

While most gaps compared to Vista are being closed, there are still some that are being worked on, including OPC client and server, multiple PC level servers, and scalability.

Architecture

StruxureWare Building Operation has a straight-forward architecture:

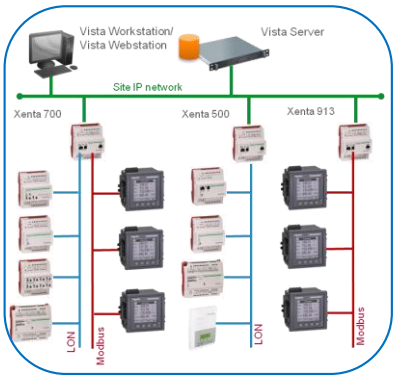
An Enterprise Server is on top and Automation Servers with a variety of field buses (LON in this example) attached to it. WorkStation and WebStation provide access to any of the servers:



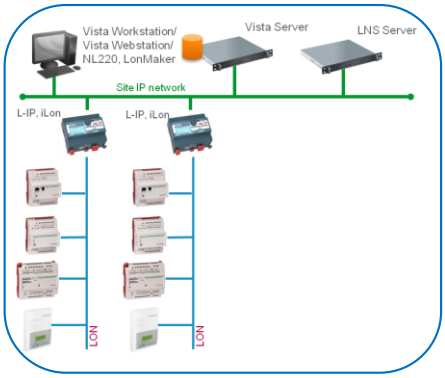
TAC Vista has three main architectures, which can exist in any combination:

1.Vista Classic

2. Vista Classic with Xenta Servers



3. Vista LNS (Available with SBO 1.9.1)

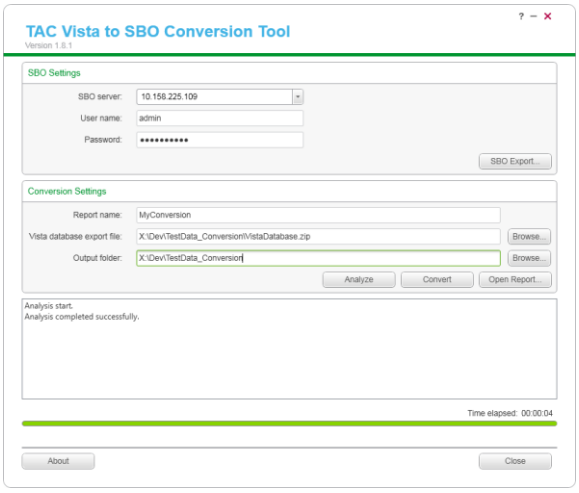


The current Conversion Tool supports the conversion architectures 1 and 2 Conversion of architecture 3 to be included in the Conversion Tool for SBO v1.9.1. Not everything is converted automatically.

Conversion Tool

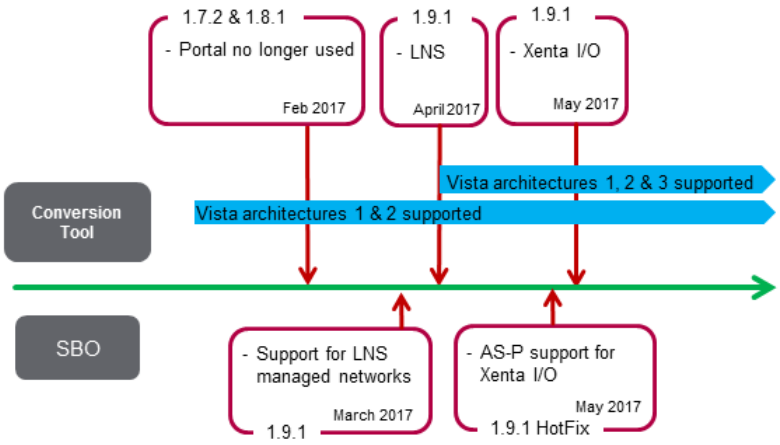
The Conversion Tool for StruxureWare Building Operation v1.8.1 can be downloaded from The Exchange and run for free. The PC must have SBO WorkStation of the corresponding version installed.

The PC must be connected to the Schneider Electric network or Internet at least every 30 days to check for, and enforce, new versions of the Conversion Tool.



Conversion Tool roadmap

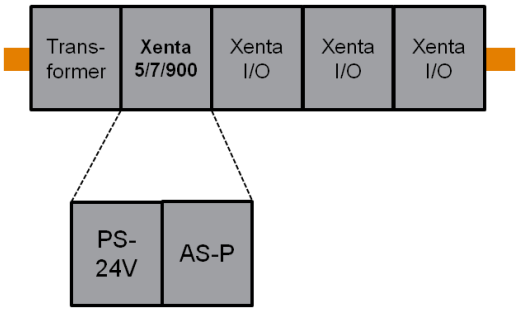
The Conversion Tool has been available in several versions and will continue to evolve. Below is the planned roadmap of coming functionality.

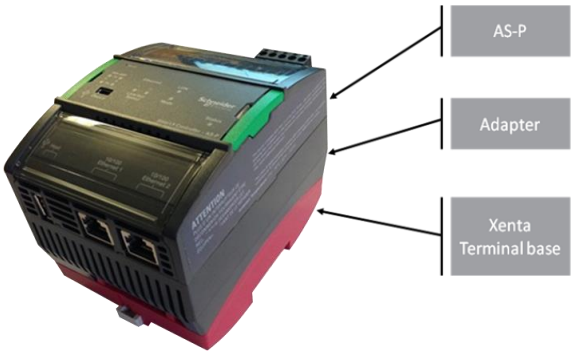


Xenta to AS-P Adapter

Xenta 500/700/911/913 are not supported by StruxureWare; they must be replaced by a SmartX Controller - AS-P, the next generation automation server, when transitioning Vista to the new system. Since one module (Xenta) must be replaced with an AS-P and a Power Supply (PS-24), a re-build of the panel is typically required, including re-wiring and changed site documentation. In addition, there may not be enough space on the DIN rail.

However, to simplify the replacement, an adapter is now available.





To avoid the need for rebuilds, the Xenta to AS-P Adapter allows the AS-P and Power Supply to be inserted conveniently into the space where Xenta 500/700/911/913 was mounted. The Xenta terminal base stays and thus no re-wiring is required. The adapter includes the power supply for the AS-P.

Using the Xenta to AS-P Adapter will reduce or even eliminate the need for panel documentation changes.

Since the AS-P can be completely engineered in the office, the replacement will not require highly trained staff onsite. This is particularly valuable in distributed systems where Xenta 911 is often used.

Release materials

All materials available regarding Vista Transition are posted on The Exchange, primarily in the TAC Vista Transition section.

- Presentation for Integrators – TAC Vista Transition Architectures
- Presentation for Customers – TAC Vista Transition to StruxureWare Building Operation

Other documentation

- Installation Sheet with specification – Xenta to AS-P adapter, 02-17011-03
- WebHelp: help.sbo.schneider-electric.com
- TAC Vista to StruxureWare Building Operation – Conversion Guidelines

Part numbers

The following new part is released:

Part number	Description	Additional description
SXWASPXEN10001	Xenta to AS-P Adapter	Adapter to allow mounting of an AS-P in Xenta 400 terminal base. Includes power for AS-P

Availability

The Xenta to AS-P Adapter is available globally. However, initially it will only be stocked in Västerhaninge, Sweden. Countries using other Distribution Centers (DCs) will see a longer delivery time until sales volume will allow stocking in the local DCs.

Product support

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