

# i-Vu® Pro v8.0

## What's New





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Important changes are listed in **Document revision history** at the end of this document.

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## What's new in v8.0

### What's new in the i-Vu® Pro v8.0 application

Feature	Improvement
Security enhancements	<ul style="list-style-type: none"><li>Apache Tomcat web server has been upgraded to v9.0.x and TLS 1.3</li><li>The i-Vu® Pro application has been upgraded to OpenJDK Java 11 LTS.</li><li>Acknowledge alarms with comments</li><li>Require operators to acknowledge alarms before deleting</li></ul>
Device Password	Supported only for controllers with a <code>drv_gen5_&lt;version no.&gt;_driverx</code> A Site-level password that restricts access to the controller setup pages when connecting through the Service Port. It can be set in SiteBuilder or the i-Vu® Pro interface from the Site level on the <b>Properties</b> page.
Connections	You can select a network connection in a new table on the <b>System Options &gt; Connections &gt; Configure</b> tab without having to go to the <b>View</b> tab.
Driver Properties	The following only applies to a controller with the <code>drv_gen5</code> driver. The Driver Properties pages match most of the controller setup pages that you access through the Service Port. <b>NOTE</b> The Quick Setup is only available through the Service Port. In the navigation tree, right-click the controller and select <b>Driver Properties &gt; Settings</b> tab to access the controller setup interface. See the controller's <i>Technical Instructions</i> for details on using the interface.
Interface	New i-Vu® logo
Reporting	<ul style="list-style-type: none"><li>Custom reports: You can now edit custom report variables directly from a graphic.</li><li>Schedule reports: Add e-signatures to scheduled reports</li><li>Add a custom logo to reports</li><li>Life Sciences Reporting<ul style="list-style-type: none"><li>Mean Kinetic Temperature (MKT) Report</li><li>Trend Values Report</li><li>Out of Range Report</li></ul></li></ul>
BACnet Rev. 19	To implement BACnet Rev. 19, the Display microblocks that are used to model a third-party BACnet device's options, have new fields on the microblock popup's <b>Properties &gt; Details</b> tab.
BACnet/SC	Added support for BACnet/SC

Feature	Improvement
Color groups for color maps	You can select from three color groups to enhance visibility of floorplans and color maps if using .svg floorplans.
Viewing vector graphics	New buttons for manipulating display options for the .svg floorplans and site graphics.
New manual command to view security settings	The new manual command <b>sreview</b> displays the application installation's security best practices compliance data. Included are web server security settings, SSL certificate details, email security settings, password policy, and the latest software updates. See Manual Commands for details.
Semantic tagging	Semantics tags and rules are included in the i-Vu® Pro v8.0 application to apply semantic meaning to locations in the system. You can use the tags that are included or create custom tags and custom rules.  You can use the tags to define a path. See Using semantic tags in a path.
Add-ons	Free access to LDAP and Trend Export add-ons with purchase of Life Sciences license
Alarm Notification update	You can use an IPv6 Server address in the <b>Server</b> field. In the i-Vu® Pro interface, in <b>System Settings</b> > <b>General</b> tab > <b>Alarms</b> , you can restrict access to the IPv6 address.
ACxelerate automated commissioning	Allows you to verify and report on the health state of VAV dampers and reheat valves in your single VAV boxes.
i-Vu® XT or TruVu™ icons	New icons in the navigation trees for i-Vu® XT or TruVu™ routers, devices, drivers, and equipment.
Legacy autopilot	The legacy autopilot feature has been removed from the i-Vu® Pro application. It is replaced by an improved version available as an add-on. See the <b>Autopilot</b> add-on on the Current Products page.

## What's new in the SiteBuilder v8.0 application

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Feature	Improvement
Improved security settings	<p>To increase security, the i-Vu® Pro application defaults to the following settings:</p> <ul style="list-style-type: none"> <li>• If your system is set to use TLS, the i-Vu® Pro application automatically uses TLS 1.3.</li> <li>• The i-Vu® Pro application requires SOAP applications to run over HTTPS.</li> <li>• The i-Vu® Pro application allows only add-ons that have been approved by Carrier.</li> </ul> <p><b>NOTE</b> If needed, you can override these defaults in SiteBuilder; however, doing so will lessen the security of your system.</p>
Device Password	<p>Supported only for a router with a drv_gen5 driver.</p> <p>Set this password on the <b>Network</b> tree &gt; <b>Site</b> level to restrict access to the controller setup pages when connecting through the Service Port.</p>
Select MS/TP port	i-Vu® XT or TruVu™ router only—On the <b>Add BACnet Network</b> dialog, when adding an MS/TP network, you can now select the physical port that the network will use.
IPv6 addressing	<p>BACnet/IPv6 is a new Media Type when adding a BACnet Network. You can use IPv6 addresses to:</p> <ul style="list-style-type: none"> <li>○ Automatically configure the IPv6 addresses by entering the Device Instance</li> <li>○ Add BACnet/IPv6 networks</li> <li>○ Add Hierarchical Systems</li> <li>• Restrict connections to an IPv6 address</li> </ul>
New i-Vu® XT or TruVu™ icons	New icons in the navigation trees for i-Vu® XT or TruVu™ routers, devices, drivers, and equipment.
BACnet/SC	Added support for BACnet/SC

## What's new in the Snap v8.0 application

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Feature	Improvement
New microblocks	Many new microblocks are now available. See New microblocks for Snap v8.0 in the Microblock Reference.
Tools	New menu option <b>Tools</b> . You can now add plugins. See Miscellaneous Snap menu commands and features.
Custom Microblocks	New menu option <b>Custom Microblocks</b> . See To create a custom microblock.
BACnet Rev. 19	New fields in the Property Editor have been added to implement features of BACnet Rev. 19. These fields appear in the Display microblocks used to model a third-party BACnet device.

## What's new in the ViewBuilder v8.0 application

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Feature	Improvement
<b>v8.0</b>	
SVG Floorplans	This new control allows scalable floorplans that can include the Node Name header and color bar. Also provides the ability to scale the floorplan graphic to fill the entire pane, to zoom in/out, to display the floorplan in 3D, and to toggle the ducting on/off when applicable. We recommend Inkscape™ or Adobe® Illustrator®; contact the Graphics Department for further information.
New i-Vu® XT or TruVu™ icons	New icons in the navigation trees for i-Vu® XT or TruVu™ routers, devices, drivers, and equipment.

## What's new in the Field Assistant application?

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Feature	Improvement
BACnet Rev. 19	To implement BACnet Rev. 19, the Display microblocks that are used to model a third-party BACnet device's options, have new fields on the microblock popup's <b>Properties &gt; Details</b> tab.
BACnet/SC	Added support for BACnet/SC
Driver Properties	<p>The following only applies to a controller with the <code>drv_gen5</code> driver.</p> <p>The Driver Properties pages match most of the controller setup pages that you access through the Service Port.</p> <p><b>NOTE</b> The Quick Setup is only available through the Service Port.</p> <p>In the navigation tree, right-click the controller and select <b>Driver Properties &gt; Settings</b> tab to access the controller setup interface. See the controller's <i>Technical Instructions</i> for details on using the interface.</p>
BACnet/IPv6	The communication type IPv6 is available for the i-Vu® XT or TruVu™ device that is using IPv6.





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