

SynapSense 7.3 Release Notes

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What's New in SynapSense Release 7.3?

SynapSense 7.3.0 focuses on usability. There are several interface improvements across MapSense and WebConsole that aim to simplify and make the UI more intuitive. Other major enhancements include:

- Support for reading extended Modbus registers.
- Addition AoE metrics for Active Control deployments.
- Introducing support for OpenJDK 8.
- Configurable SSL Security.

General Product Changes

- Support for OpenJDK 8.

SynapSense Installation Changes

- Installer will install OpenJDK 8 if neither OpenJDK 8 or OracleJDK 8 are found in the system.

Environment Server Changes

- Configurable support for Standard SSL.

Active Control Changes

- View Active Control Status on the Floor Plan. Icons are now displayed on the floor plan to represent the current Active Control unit status.
- New Standard Metrics for Active Control Systems. The AoE Average, Maximum, and Minimum Temperatures, and the AoE Average, Maximum, and Minimum Pressures.

MapSense Changes

- Display filter button on the toolbar that filters the Component Palette of Uninstrumented Components.
- Ability to set the Active Group's context through a right-click operation in Data Sources or Groupings tab.
- Replace Nodes While Preserving Historic Data. Instructions to allow nodes to update existing data points with new values while preserving data are provided.

- All EZ-H rack components added. Rack 1/1, Rack 2/1, Rack 2/2, Rack 3/1, Rack 3/3.
- Ability to display component names to the generated background image in WebConsole.

Web Console Changes

- None

Livelmaging Changes

- None

SNMP Gateway Changes

- None

Modbus Plug-in

- SynapSense Modbus Plug-in now supports reading from an extended address range for Modbus holding registers.
 - Traditional range: 40001 to 49999
 - Extended range: 410001 to 465536

Known Issues

The following issues may be encountered during the installation or use of SynapSense products.

WebConsole

- Sampling interval for plug-in protocols (BACnet, Modbus, SNMP v1, v2c, v3) are fixed at 5 minutes. The sampling rate is configurable from MapSense and export validation accepts anything between 3-5 minutes. The system will poll and WebConsole will display new data at a rate of once every 5 minutes.
- Rack components with multiple sensors on a single side will have a numeric value appended to the end of the sensor's name. The sensors will have the following mapping:
 1. Top Intake
 2. Middle Intake
 3. Bottom Intake

```
Name: Node All EZ-H Rack 3/3 Intake 2
Mac ID: 336C5CF74972E6
Name: Node All EZ-H Rack 3/3 Intake 3
Mac ID: 336C5C37403434
Name: Node All EZ-H Rack 3/3 Intake 1
Mac ID: 336C5C08371145
```

For this listing, *Node All EZ-H Rack 3/3 Intake 1* is the **Top Temperature Intake**. *Node All EZ-H Rack 3/3 Intake 2* is the **Middle Intake Sensor**. *Node All EZ-H Rack 3/3 Intake 3* is the **Bottom Intake Sensor**.

Web Console – Livelmaging

Customers with implementations that generate more than 250 images per 5-minute cycle should increase the Livelmaging memory settings to accommodate the volume of saved images. For example, a data center with eight floors and five rooms within each floor will generate 7 image layers x 5 rooms x 8 floors = 280 images per 5-minute cycle.

To change memory settings:

1. Go to C:\Program Files\SynapSense\SynapViz\SynapViz.ini.
2. Locate Virtual Machine Parameters=-Xrs -Xms256M -Xmx2048M.
3. Increase the setting to: Virtual Machine Parameters=-Xrs -Xms256M -Xmx3072M.

Web Console – Microsoft Edge

Web Console does not support the Microsoft Edge browser.

Active Control Appliance

Sometimes, after a firmware update, you will need to perform a synched CAT reboot of the appliance units.

Signs that this reboot is required include:

- Areas of Effect do not form.
- State transition of CRAC/CRAH does not initiate Area of Effect calculation.
- Room and CRAC/CRAH Summary pages do not fully render.

In a DX deployment, if the pair of appliance units are rebooted together, cooling units in the STANDBY state will be accounted as units needing attention post reboot.

- To rectify, the user will need to go to each unit identified as needing attention and will need to set to DISENGAGED and then back to AUTOMATIC.
- If the overcooled conditions are still present on the data center floor, the Active Control algorithm will set units in AUTOMATIC back to STANDBY.

Upgrading from Pre-6.8.1

SynapSoft 6.8.1 fixed two critical issues reported at multiple customer sites. The issues affect all installations of SynapSoft since 6.5. Upgrading to this version from a pre-6.8.1 version must follow the upgrade process defined in TCN 51 Upgrading to Release 7.0 to resolve those critical issues. Contact Panduit Technical Support for more information.

Upgrading from SynapSoft 6 Series to 7.3 installer would install OpenJDK 8 if it cannot find OracleJDK in the path.