



SYNAPSENSE[®]
a **PANDUIT**[®] company

SynapSense 7.2 Release Notes

Contents

- What's New in SynapSense Release 7.2? 2
 - General Product Changes 2
 - SynapSense Installation Changes 2
 - Environment Server Changes..... 2
 - Active Control Changes 2
 - MapSense Changes 2
 - Web Console Changes 3
 - Livelmaging Changes 3
 - SNMP Gateway Changes 4
- Known Issues 4
 - Web Console – Livelmaging 4
 - Web Console – Firefox Updates 4
 - Web Console – Microsoft Edge..... 4
 - Active Control Appliance 4
- Upgrading from Pre-6.8.1 5

What's New in SynapSense Release 7.2?

SynapSense 7.2 focuses on two new feature suites:

- **Tenant Management:** These new features are designed for colocation administrators. They allow colocation administrators to manage tenant locations and to ensure that the environmental conditions of these spaces meet Service Level Agreements with tenants. Administrators can use these features to provide their tenants with monthly reports and online information as proof that these conditions were met.
- **Enhanced Password Security:** The new Enhanced Password Security suite of features strongly enhances the system's password security, including support of SHA-2 encryption and user-configurable password restrictions.

General Product Changes

- None.

SynapSense Installation Changes

- None

Environment Server Changes

- None

Active Control Changes

- **Remote Control of CRAC Units.** This Active Control feature allows users to set a room control to Remote Control for DX in MapSense and manually set temperature setpoints in Web Console.
- **Configure Minimum Number of Online Cooling Units.** This feature provides the ability to configure the minimum number of cooling units to be left on in a room.

MapSense Changes

- **Tenant Management.** The new Tenant Management feature set allows colocation administrators to create, edit, remove, and view tenant cages in MapSense. Tenant Management assigns environmental objects to cages automatically.
- **Export Validation Enhancements.** Export Validation ignores components in Planning Groups that are set to not export.
- **Ability to Pan Across Floor Plan While Drawing a Room.** Allows you to pan

across a floor plan while drawing a room.

- **Drag-Select Enhancement.** Selects components only when the entire shape has been selected.
- **New Architectural Components.** Includes a generic ellipse, a column, and an uninstrumented in-row cooling unit.
- **Text Component Enhancement.** Eliminates the need to use the Properties panel to edit the text of a Text component.
- **Project Statistics Report Enhancement.** Now includes Room and Drawing area property values.
- **Floor Tile Offset Tool.** Helps users more accurately position the floor tile grid in a raised floor room.
- **Device Read Expression Constants.** Cooling device configuration read properties can now be configured to always use a constant value rather than read a value from the device.

Web Console Changes

- **Tenant Management Features.** These features allow administrators to create, edit, and remove tenants and SLAs in Web Console. Users can associate the cages created in MapSense with the tenants and SLAs created in Web Console.
- **Enhanced Password Security Features.** These features allow administrators to enforce stricter password rules for greater security.
- **Least Utilized Cooling Unit.** The room summary shows the least utilized floor plan cooling unit.
- **Average Subfloor Differential Pressure Metric.** Web Console displays a new property based on calculation of the average room subfloor differential pressure.
- **Significant Digits Configuration.** Preset number of decimal places for different data types to enhance accuracy.
- **Rack Delta Temperature Metric.** Measures temperature differences across a rack.
- **View Active Control Status on the Floor Plan.** Icons are now displayed on the floor plan to represent the current Active Control unit status.

Livelmaging Changes

- None

SNMP Gateway Changes

- None

Known Issues

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

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 – Firefox Updates

The SynapSense 7 Series Installation files include Firefox Version 52 and the plugin for IE. As of Firefox Version 55, the Flash plugin is considered unsecure and is disabled. If the server receiving the SynapSense 7 upgrade is connected to the Internet, Firefox automatically install updates and therefore disables the Flash plugin.

To prevent Firefox from disabling the Flash plugin:

1. Uninstall Firefox.
2. Reinstall Firefox Version 52.
3. Change the settings to not automatically update Firefox.

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.

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.