



Vision™

Service Manual

Platform Server

Software version 3.0

REF 521205090001

R_x ONLY

EN

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Introduction for service

This manual assists you with the service of your Stryker product. Read this manual to service this product. This manual does not address the operation of this product. See the Operations/Maintenance Manual for operating and use instructions. To view your Operations/Maintenance Manual online, see <https://techweb.stryker.com/>.

Expected service life

Major releases are expected to occur every three years at a minimum based on third-party software dependencies and associated software support life cycles. Backward compatibility to be maintained until the end-of-life date is established.

Contact information

Contact Stryker Customer Service or Technical Support at: 1-800-327-0770.

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Portage, MI 49002
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System requirements and recommendations

Note

- Stryker connected product must be Wi-Fi enabled.
- If minimum system requirements are not met, the system performance is impacted.
- Apply relevant software updates and patches when available.

Vision platform server system requirements:

- Virtual machine or dedicated server
- Windows server 2019 or 2022 operating system

Minimum requirements depend on the number of products connected to the system.

1 - 500 connected products

- 2.x GHz processor or higher with a total of 4 cores
- Memory: 32 GB RAM
- Hard drive: 300 GB

501 - 1000 connected products

- 2.x GHz processor or higher with a total of 8 cores
- Memory: 64 GB RAM
- Hard drive: 300 GB

Vision dashboard (client):

- A mini personal computer connected to a high definition (HD) 55-inch display at the nurses station.
 - **Google Chrome™** browser version 114 or higher
 - **Microsoft Edge™** browser version 111 or higher

- Optimized screen resolution from 1920 x 1080 - 3140 x 2160

Secure your network. Stryker recommends the following:

- Install antivirus/malware protection software
- Close unused network ports
- Disable unused services
- Manage access to system/network infrastructure
- Monitor network activity for irregularities

The following actions shall be completed:

- Stryker installation/log directories shall be whitelisted for the antivirus/malware protection software
- **Vision** communicates on port 443 (default TLS)
- Firewall configuration shall allow incoming traffic on port 443
- Disable weak or expired TLS/SSL protocols on the **Vision** platform server
- **Vision** users shall follow cybersecurity rules while interacting with the **Vision** platform server

Configuring the Vision platform server

After initial setup, you have access to these administrative tools:

- *Unit management* (page 6)
- *TV Units dashboard* (page 13)
- *Location management* (page 8)
- *TV client management* (page 11)
- *Viewing or editing **Vision** platform server settings* (page 14)
- *Changing the administrative password* (page 5)
- *About* (page 16)

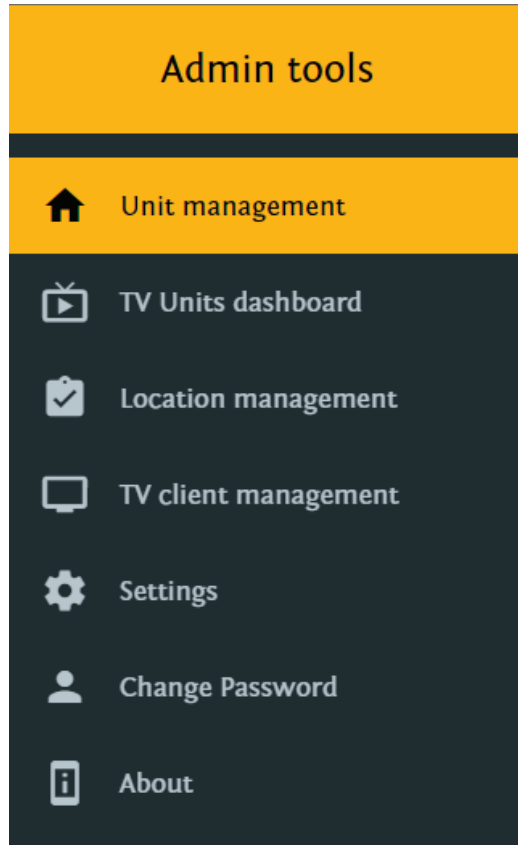


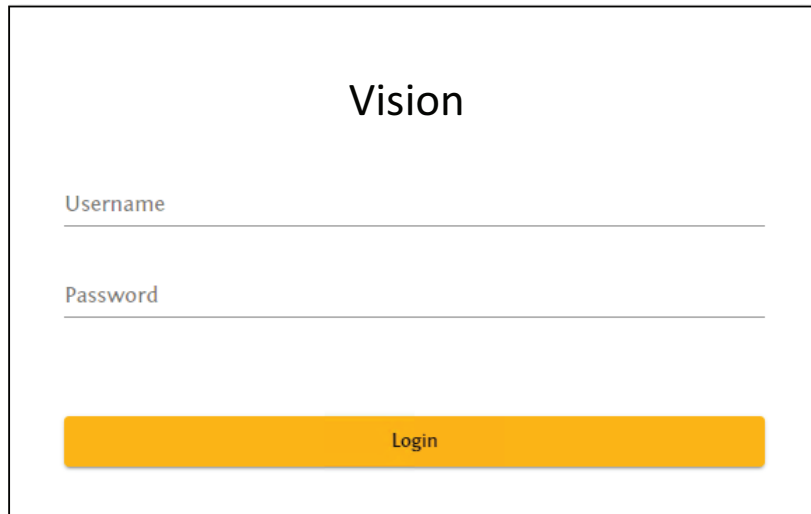
Figure 1 – Vision platform server

Logging in to the Vision platform server

The administrative account is a pre-configured system account for product configuration.

To log in to the **Vision** platform server:

1. Access the **Vision** platform server at <https://FQDN/login> (FQDN = Fully Qualified Domain Name) of the server hosting **Vision**.
2. Enter your username and password (Figure 2).



The image shows a login form for the Vision platform. At the top, the word "Vision" is centered in a large, black, sans-serif font. Below it, there are two input fields: "Username" and "Password", each with a horizontal line underneath. At the bottom of the form is a prominent yellow button with the text "Login" centered on it.

Figure 2 – Login

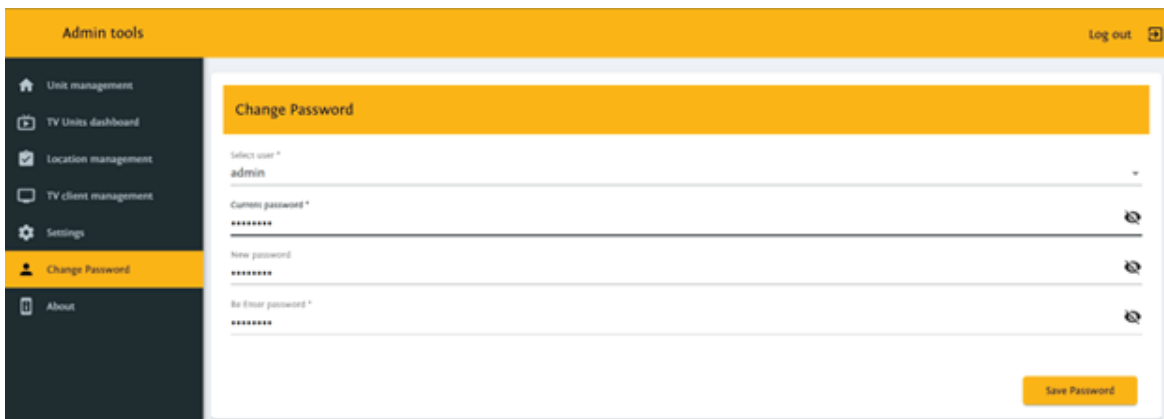
3. Select **Login**.

Changing the administrative password

The administrative account is a pre-configured system account for product configuration. You can change the password for the administrative account.

To change the administrative password:

1. Log in to the **Vision** platform server.
2. Select **Change Password**.
3. Enter the required information denoted by the * to change the password (Figure 3).



The image shows a screenshot of the "Admin tools" interface. The top navigation bar is yellow and contains "Admin tools" on the left and "Log out" with a user icon on the right. A dark sidebar on the left lists menu items: "Unit management", "TV Units dashboard", "Location management", "TV client management", "Settings", "Change Password" (highlighted in yellow), and "About". The main content area has a yellow header "Change Password". Below this, there are three input fields: "Select user*" with "admin" selected, "Current password*" with masked characters and a toggle icon, "New password" with masked characters and a toggle icon, and "Re Enter password*" with masked characters and a toggle icon. A yellow "Save Password" button is located at the bottom right of the form.

Figure 3 – Password change

4. Select **Save Password**.

Unit management

Creating a new unit

Units can represent a wing or floor of the facility. Units are required to assign locations (product/room locations) and TV clients.

To create a unit:

1. Log in to the **Vision** platform server.
2. Select **Unit management**.
3. Select **New unit (A)** (Figure 4).



Figure 4 – New unit

4. In the **New unit** page, enter the **Unit display name**, **Unit description**, and **Unit type**.
5. Select **Create**.

Note - The new unit appears in the **Unit management** page.

Editing a unit

To edit a unit:

1. Log in to the **Vision** platform server.
2. Select **Unit management**.
3. Select the **pencil icon** next to the unit that you want to edit.
4. Select the **down arrowhead** icon from the **Edit unit** title bar to expand the unit information (Figure 5).

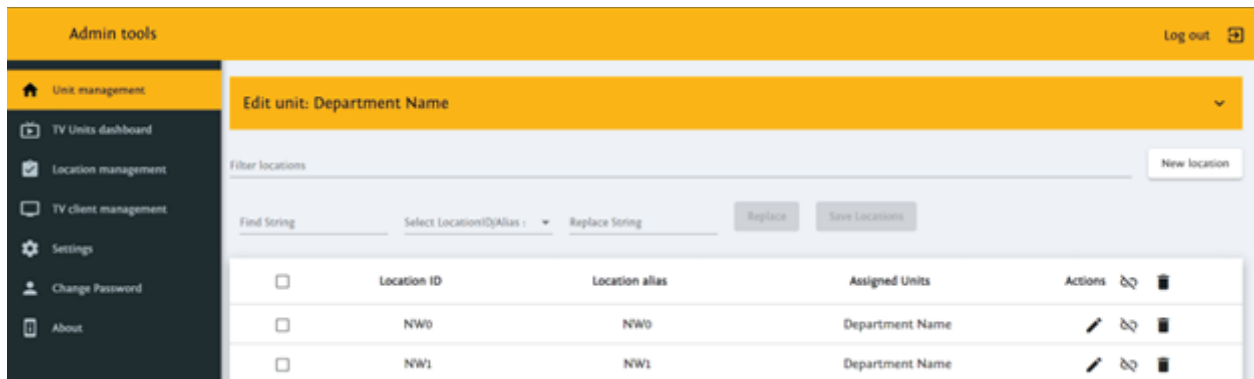


Figure 5 – Edit unit

5. Enter edits in the **Edit unit** page.
6. Select **Save**.

Deleting a single unit or multiple units

To delete a unit:

1. Log in to the **Vision** platform server.
2. Select **Unit management**.
3. Select the **trash can** icon next to the Assigned TV that you want to delete.
4. Select the **trash can** icon of the unit that you want to delete (Figure 6).

Note - You can select one or more **trash can** icons.

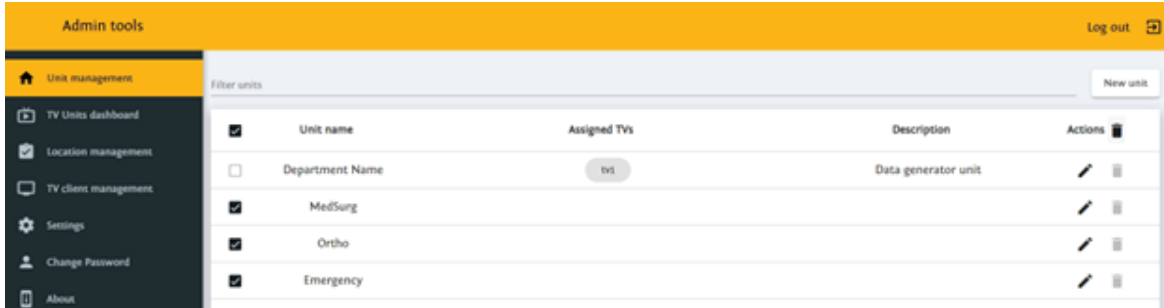


Figure 6 – Delete unit

5. In the **Delete unit** dialog, select **Yes** to confirm.

Location management

Importing locations

Locations are the products/rooms that are assigned to units for supervision. The **Vision** platform server imports locations.

Note - See the **iBed Server Installation/Configuration Manual** to update the product/room locations list when you make equipment changes.

To import locations:

1. Log in to the **Vision** platform server.
2. Select **Location management**.
3. Select **Import locations**.
4. Select **Choose file**.
5. In the **Windows Explorer** dialog, select the XML file, and select **Open**.
6. Select **Import**.

Note - You can import up to 1500 locations.

The new locations appear in the **Location management** page.

Assigning a location to a unit

Assign one or multiple locations to a unit for supervision on the TV client.

To assign a location to a unit:

1. Log in to the **Vision** platform server.
2. Select **Location management**.

Note - You must import a location before you can assign a location to a unit. See *Importing locations* (page 8).

3. Select **Target unit** (A) and choose the appropriate unit from the dropdown list (Figure 7).

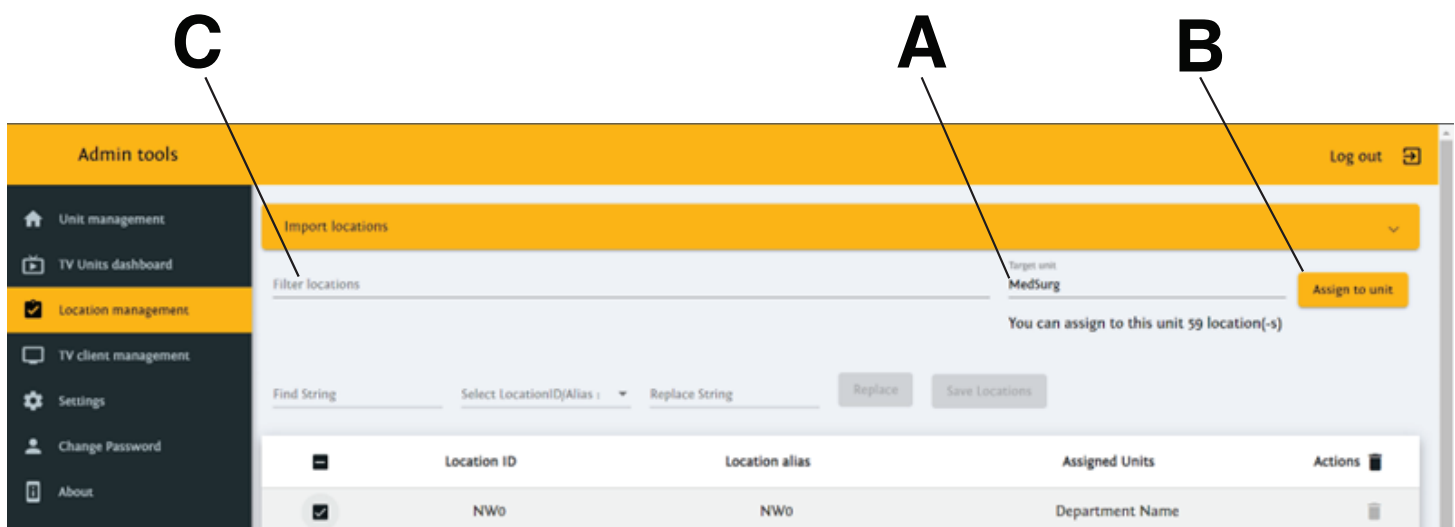


Figure 7 – Assign multiple locations

4. From the listed locations, select the checkbox for the locations that you want to add to the unit.
5. Select **Assign to unit** (B) to assign the selected locations.

Note - Enter your search text on the **Filter locations** line (C) to filter locations.

Editing a location within a unit

To edit a location within a unit:

1. Log in to the **Vision** platform server.
2. Select **Unit management**.
3. Select the **pencil** icon next to the unit location that you want to edit.
4. Enter the edits for **Location ID** and **Location alias**.
5. Select **Save**.

Unassigning a location from a unit

When a location changes, you may need to unassign the location from a unit.

To unassign a location from a unit:

1. Log in to the **Vision** platform server.
2. Select **Unit management**.
3. Select the **pencil** icon (A) of the unit that you want to unassign from the location (Figure 8).
4. Select the **disconnect** icon (B) next to the location that you want to unassign from the unit.
5. In the **Unassign location** dialog, select **Yes** to confirm.

Note - The unassigned location appears in the **Location management** page.

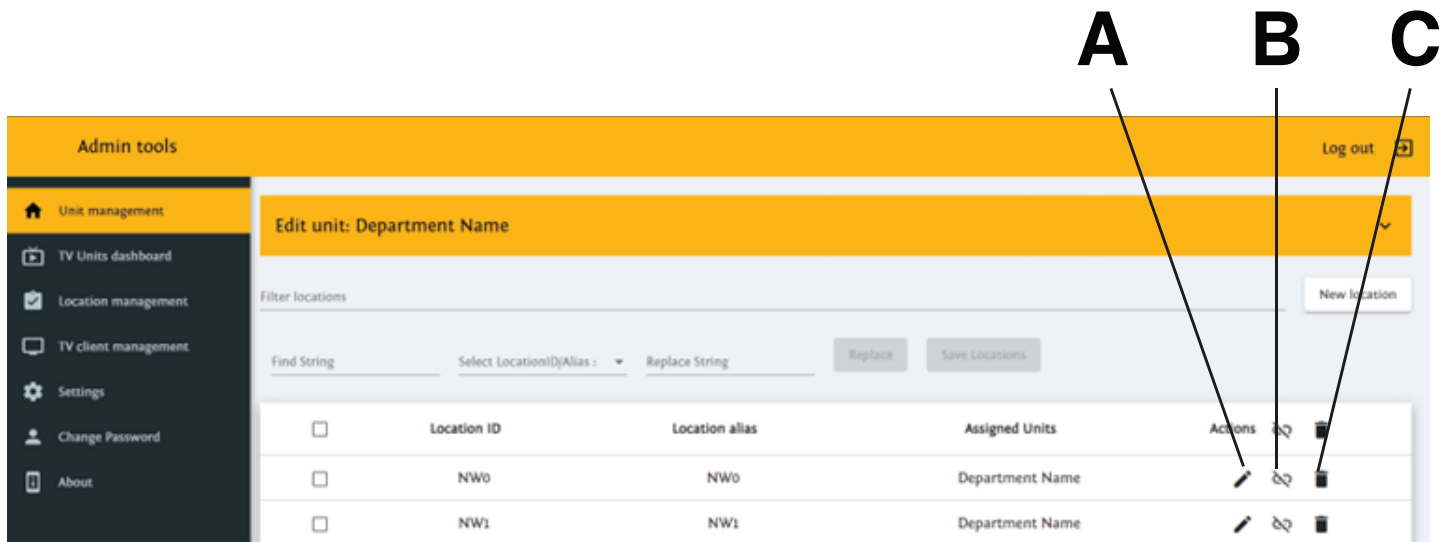


Figure 8 – Edit unit

Deleting a location

You can delete a location from either the **Unit management** or the **Location management**.

1. To delete a location from **Unit management**:
 - a. Log in to the **Vision** platform server.
 - b. Select **Unit management**.
 - c. Select the **pencil** icon (A) for the unit that you want to delete locations from (Figure 8).
 - d. Select the **trash can** icon (C) next to the location that you want to delete.
 - e. In the **Delete location** dialog, select **Yes** to confirm.

2. To delete a location from **Location management**:
 - a. Log in to the **Vision** platform server.
 - b. Select **Location management**.
 - c. Select the **trash can** icon next to the location that you want to delete.
 - d. In the **Delete location** dialog, select **Yes** to confirm.

TV client management

Creating a TV client

Note - Stryker recommends using a LAN connection for the TV client.

To create a TV client:

1. Log in to the **Vision** platform server.
2. Select **TV client management**.

Note - You must create a unit before you can assign a TV client.

3. Select **New TV (A)** (Figure 9).
4. In the **New TV** page, enter the following:
 - **TV ID:** The TV username used to log in to the **Vision** platform server
 - **Password:** Auto-generated or created manually
 - **Target unit:** Select the dropdown to select the desired unit
 - **Description:** User created description
5. Select **Create**.

Note - The new TV client appears in the **TV client management** page.

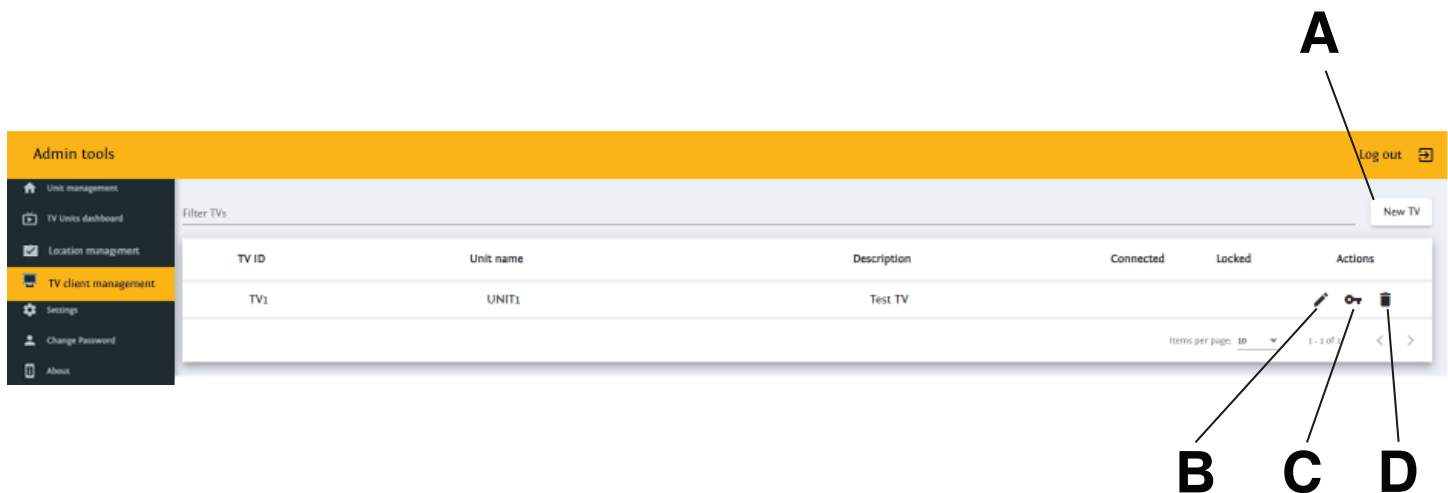


Figure 9 – TV client management

Resetting a TV client password

To reset a TV client password:

1. Log in to the **Vision** platform server.
2. Select **TV client management**.
3. Select the **key** icon (C) next to the TV client that you want to reset (Figure 9).
4. In the **Reset password for:** page, enter the new password.
5. Select **Reset**.

Note

- If you change or reset the password for a TV client that is actively logged in, the TV client will not log out of the current dashboards.

- Locking behavior: If a **Vision** dashboard is logged in and an administrator manually checks the locked checkbox, that TV client will be forced to log out (Figure 10). The locking behavior forces anyone that is logged into the system to log out. The user will need to log in with the new password.

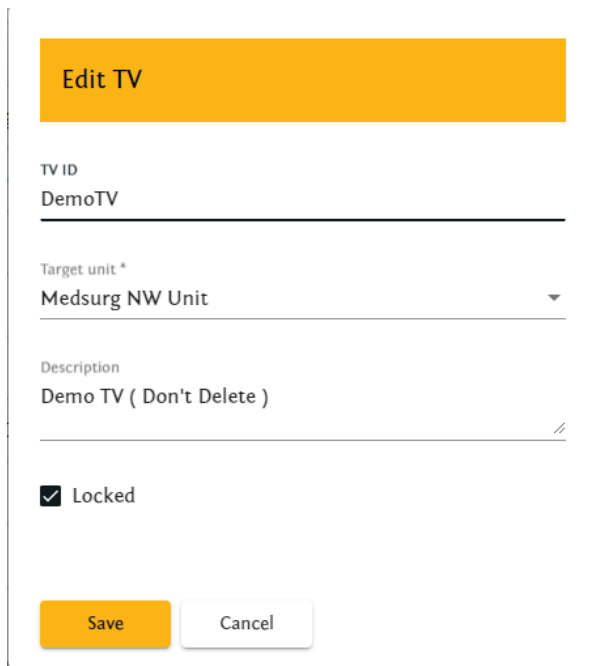


Figure 10 – Resetting TV client password

Editing a TV client

To edit a TV client:

1. Log in to the **Vision** platform server.
2. Select **TV client management**.
3. Select the **pencil icon** (B) next to the TV client that you want to edit (Figure 9).
4. Edit the client in the **Edit TV** page. You can edit the following:
 - **TV ID**: The TV username to log in to the **Vision** platform server
 - **Target unit**: Dropdown to select a unit
 - **Description**: User created description
 - **Locked**: Check to lock/unlock the TV client account
5. Select **Save**.

Deleting a TV client

To delete a TV client:

1. Log in to the **Vision** platform server.
2. Select **TV client management**.
3. Select the **trash can icon** (D) next to the TV client that you want to delete (Figure 9).
4. In the **Delete TV** dialog, select **Yes** to confirm.

TV Units dashboard

The **TV Units dashboard** allows you to view any **Vision** dashboard from the administrative screen.

To view the **TV Units dashboard**:

1. Log in to the **Vision** platform server.
2. Select **TV Units dashboard**.
3. Select **Units** dropdown list.
4. Select the unit that you want to view.

Viewing or editing Vision platform server settings

To view or edit the **Vision** platform server settings:

1. Log in to the **Vision** platform server.
2. Select **Settings**.
 - a. Select **Basic** from the **Select Authentication** dropdown (Figure 11).
 - b. Select **Basic Email settings** to view and test (A) the **Vision** platform server email configuration.

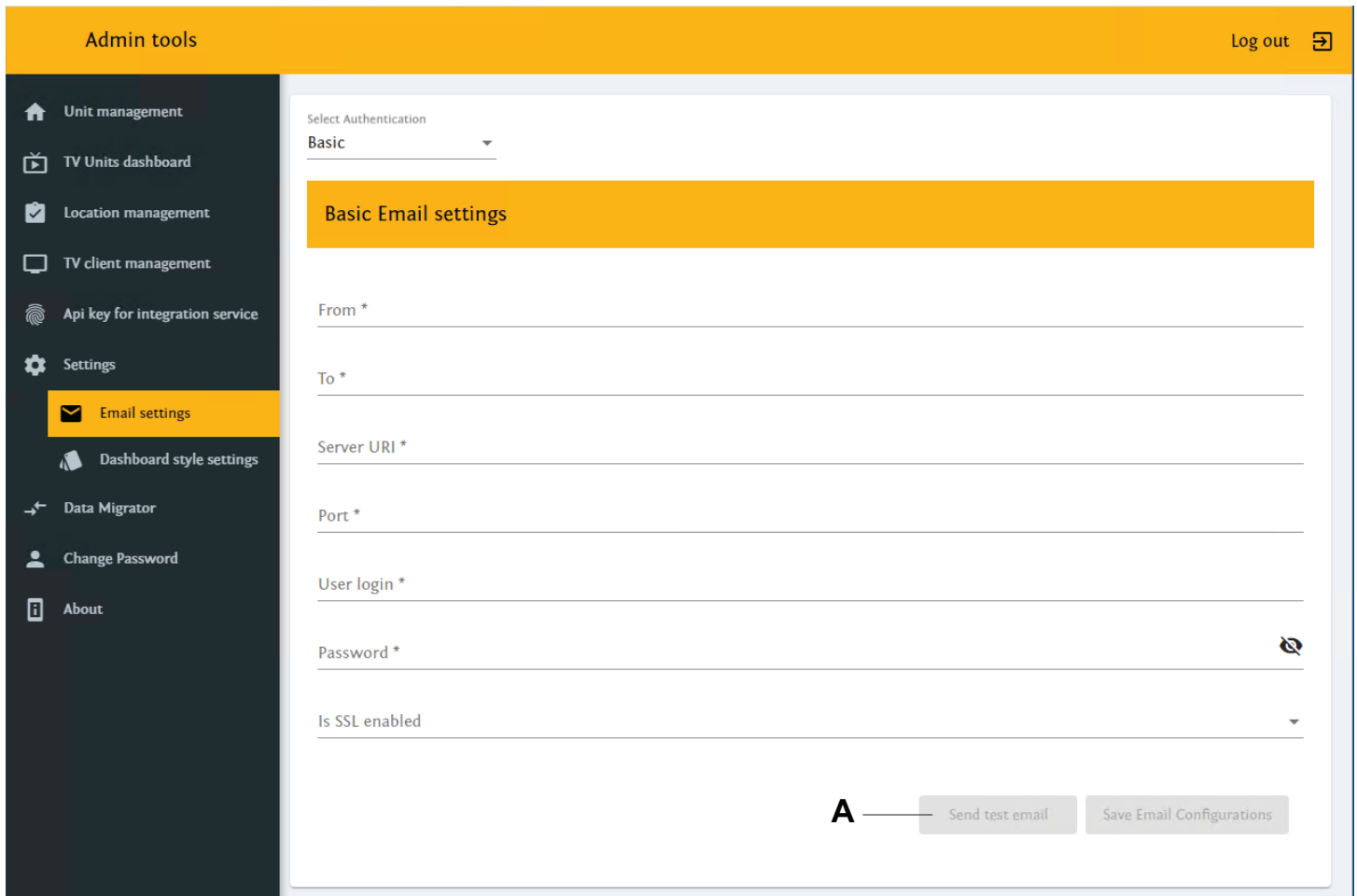


Figure 11 – Basic Email settings

- c. Select **Dashboard style settings** to view the **Vision** platform server style configuration (Figure 12).

Note - You can configure dashboard styles globally or for individual monitors.

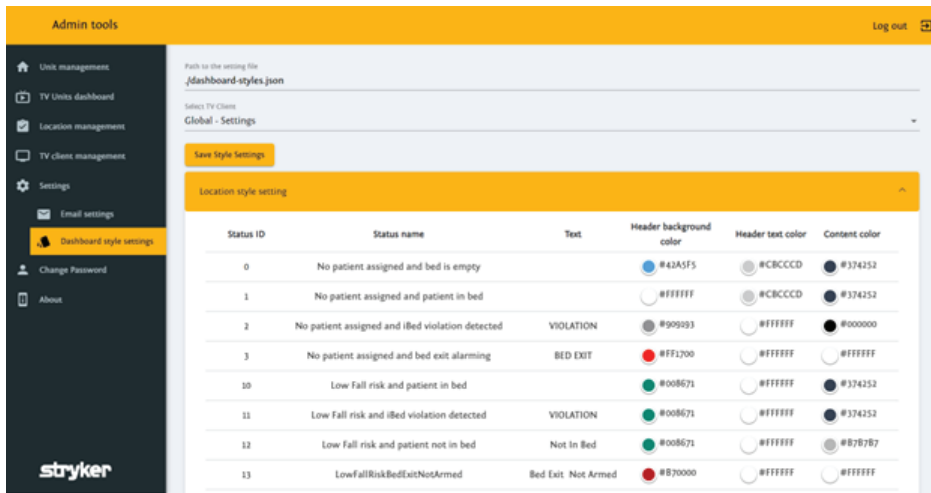


Figure 12 – Dashboard style settings

3. Select the scope from the **Select TV Client** dropdown list.
 - a. Double-click the left mouse button to edit text fields.
 - b. Select the colored circle to change the color.
4. Once changes have been made, **Save Style Settings** turns orange.
5. Select **Save Style Settings** to save new dashboard style settings.

About

The legal description of this product is found on the About page (Figure 13).

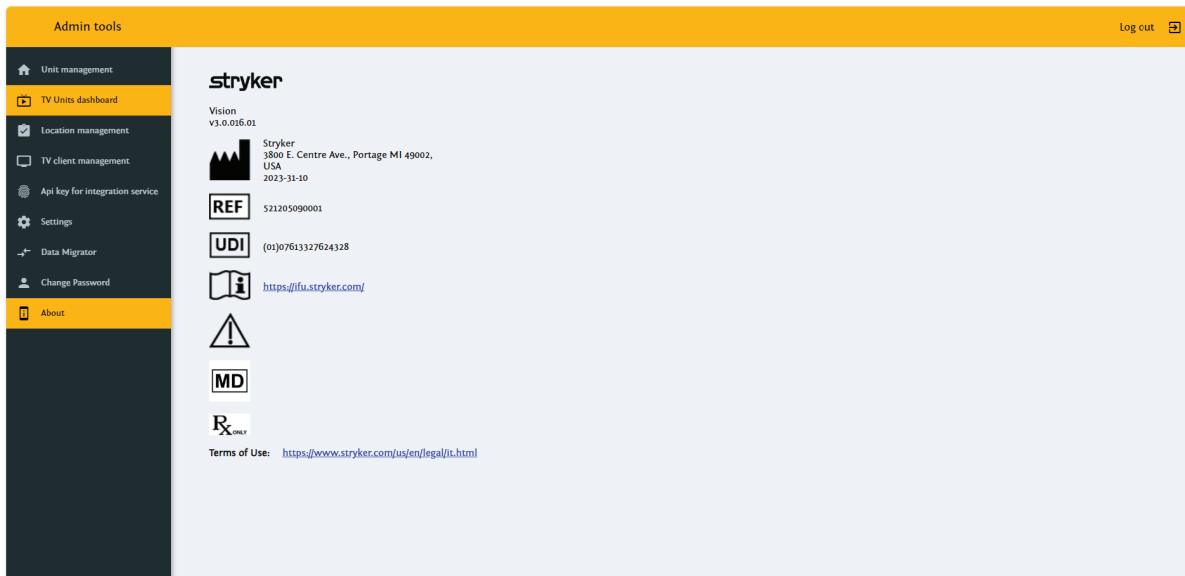


Figure 13 – About

Security

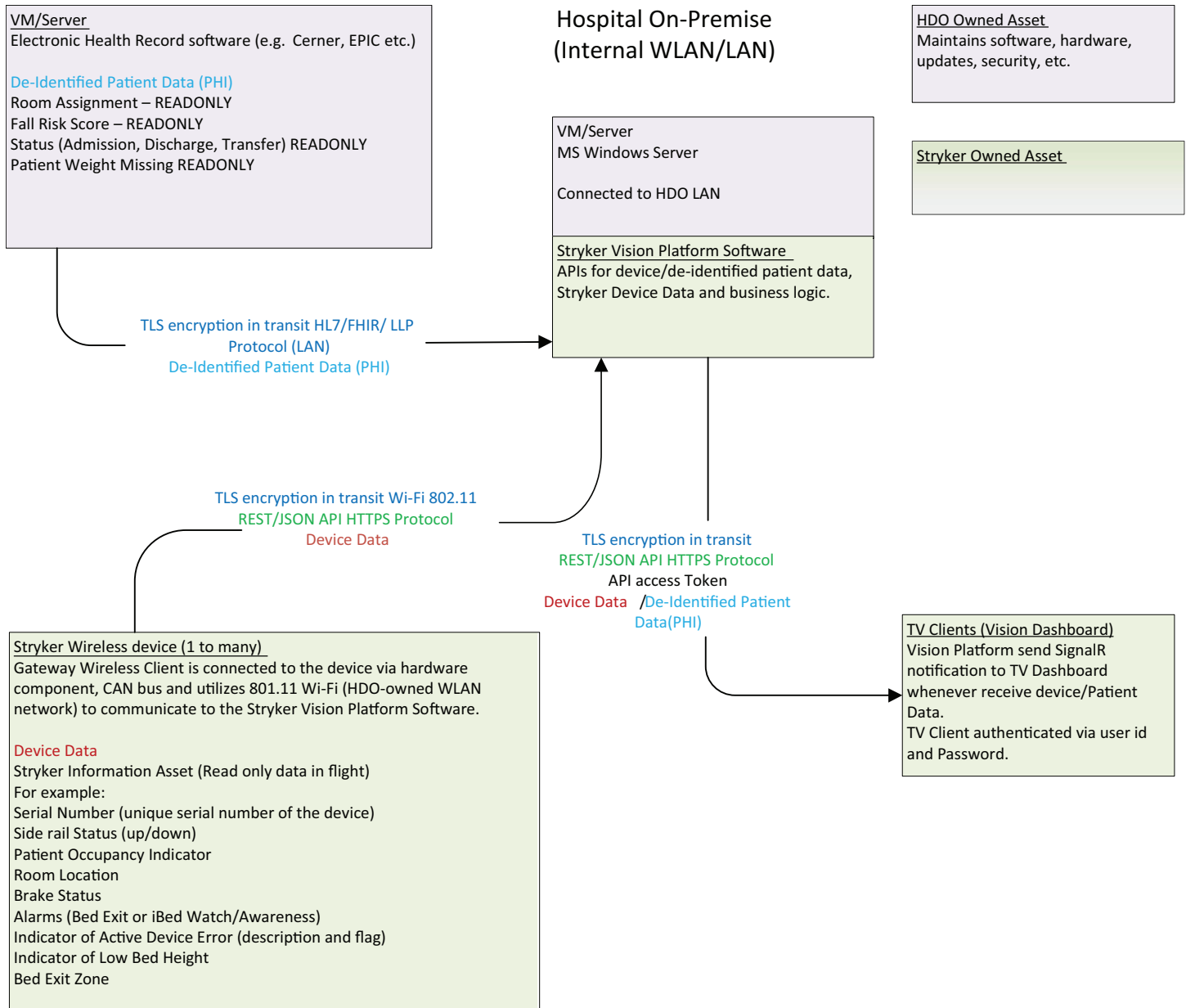


Figure 14 – Security block diagram



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