CathexisVision MultiSite 4.1
Installation Guide

Contents

1. Introduction

This document details how to install CathexisVision MultiSite 4.1.

1.1 CathexisVision MultiSite

CathexisVision MultiSite is a cost-effective solution for multi-site management.

MultiSite installations can be accessed through the Carbon user interface. A MultiSite connection allows the user to view/review cameras and other resources from multiple sites, navigating with the following tabs:

- Monitoring
- Databases
- Maps
- Configuration
- Feature search
- Archive player
- Site monitors

Individual sites can select which resources will be viewable on MultiSite.

1.2 Specifications and Requirements

1.2.1 Software

- CathexisVision 2023.1 and later

- CathexisVision Carbon 4.1

1.2.2 General Requirements

- Operating system: Windows only.

- Minimum 4GB of RAM required.

1.2.3 Maximum Number of Sites

Note: The MultiSite server allows a maximum of 50 sites to be connected to it.

1.3 MultiSite Licensing

Refer to the **CathexisVision 2023 Software Product Description and Licensing** document for more information on CathexisVision licensing requirements.

✓ Included	O License required

CathexisVision Package	MultiSite connection
LITE	No
CORE	O Requires **per-camera enabler** license*.* O **Other feature licenses are required**: A Core site needs to have the appropriate licenses installed in order for Video Wall, Maps and Alarms to be presented in MultiSite. *See Notes 1 and 2 below.*
PROFESSIONAL	✓ PROFESSIONAL packages *do not* require per-camera enabler licenses for MultiSite. O **Other feature licenses are required**: A Professional site needs to have the appropriate licenses installed in order for Video Wall, Maps and Alarms to be presented in MultiSite. *See Notes 1 and 2 below.*
PREMIUM	✓ PREMIUM packages *do not* require per-camera enabler licenses for MultiSite. ✓ Video Wall, Maps and Alarms are included in Premium packages and are therefore presented in MultiSite **automatically**. *See Notes 1 and 2 below.*

Note 1: A **maximum of 50 sites** can be connected to the MultiSite server.

Note 2: Alarms and the Video Wall are supported in MultiSite 5.1 and later.

1.4 Documents

For information about connecting to MultiSite through the Carbon GUI, consult the following manuals, available on the Cathexis website (cathexisvideo.com):
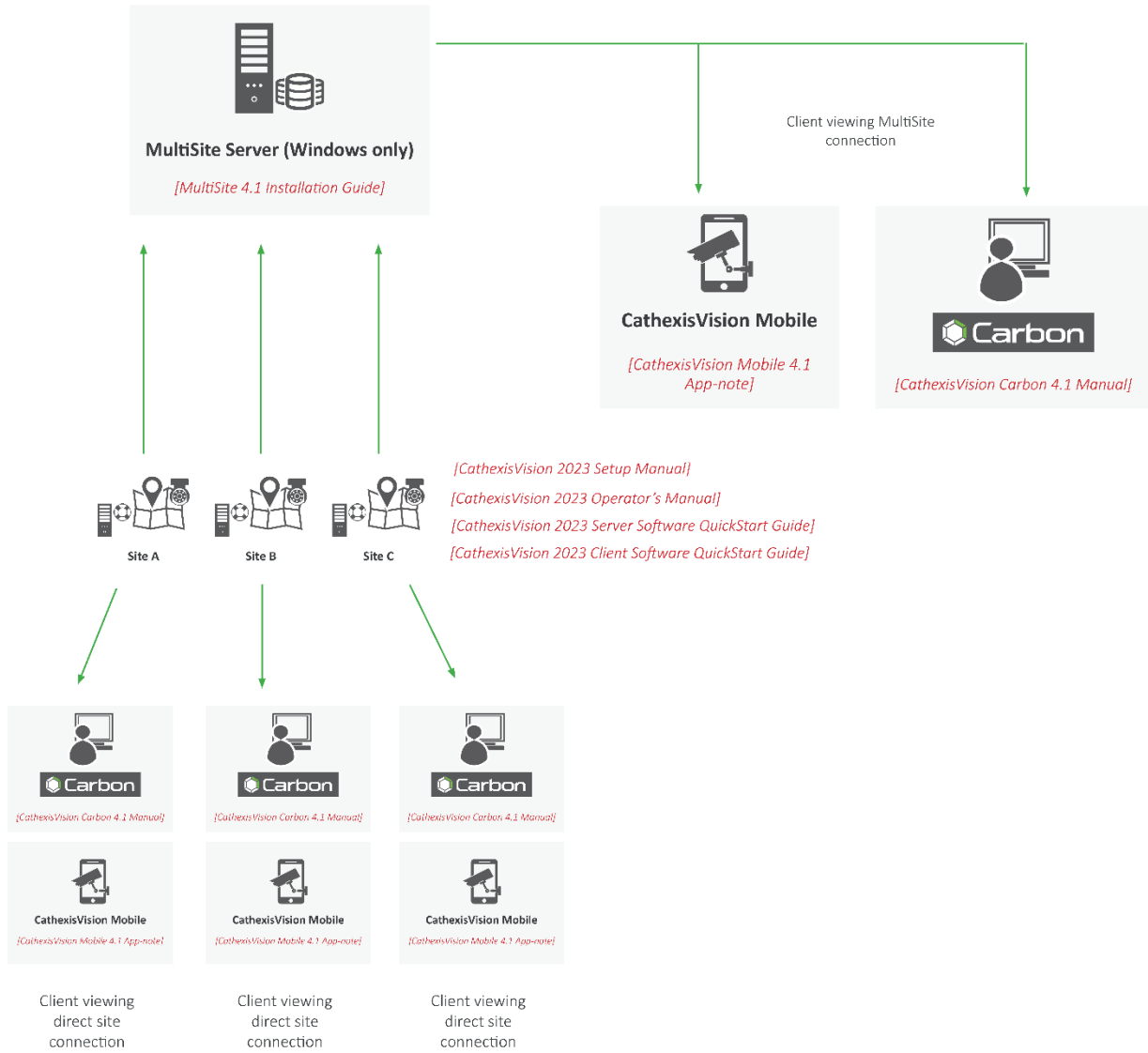
- **CathexisVision Carbon 4.1 Manual**
- **CathexisVision Carbon 4.1 White Paper**

For information about connecting to MultiSite through CathexisVision Mobile, consult the following:

- **CathexisVision Mobile 4.1 App-note**

For information on setting up the CathexisVision VMS, refer to the following:

- *CathexisVision 2023 Setup Manual*
- *CathexisVision 2023 Operator's Manual*
- *CathexisVision 2023 Server Software QuickStart Guide*

MultiSite Server (Windows only)

[MultiSite 4.1 Installation Guide]

Client viewing MultiSite connection

CathexisVision Mobile

[CathexisVision Mobile 4.1 App-note]

Carbon

[CathexisVision Carbon 4.1 Manual]

Site A   Site B   Site C

[CathexisVision 2023 Setup Manual]
[CathexisVision 2023 Operator's Manual]
[CathexisVision 2023 Server Software QuickStart Guide]
[CathexisVision 2023 Client Software QuickStart Guide]

Carbon
[CathexisVision Carbon 4.1 Manual]

Carbon
[CathexisVision Carbon 4.1 Manual]

Carbon
[CathexisVision Carbon 4.1 Manual]

CathexisVision Mobile
[CathexisVision Mobile 4.1 App-note]

CathexisVision Mobile
[CathexisVision Mobile 4.1 App-note]

CathexisVision Mobile
[CathexisVision Mobile 4.1 App-note]

Client viewing direct site connection

Client viewing direct site connection

Client viewing direct site connection

2. Installation Process

2.1 MultiSite Installation File

1. Download the MultiSite 4.1 installation file from the Cathexis website (https://downloads.cathexisvideo.com/).

2. Run the installer.

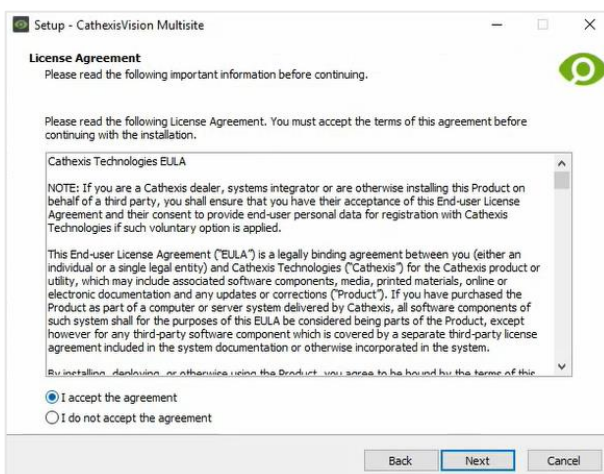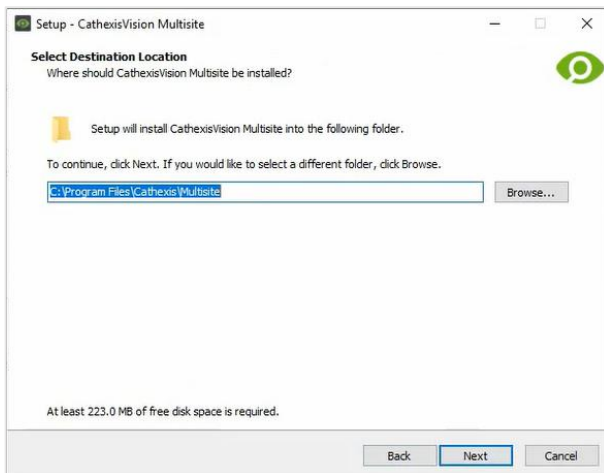| CathexisVision-Multisite-4.1.beta7 | 1/20/2023 10:56 AM | Application |

The CathexisVision MultiSite Setup Wizard will open.

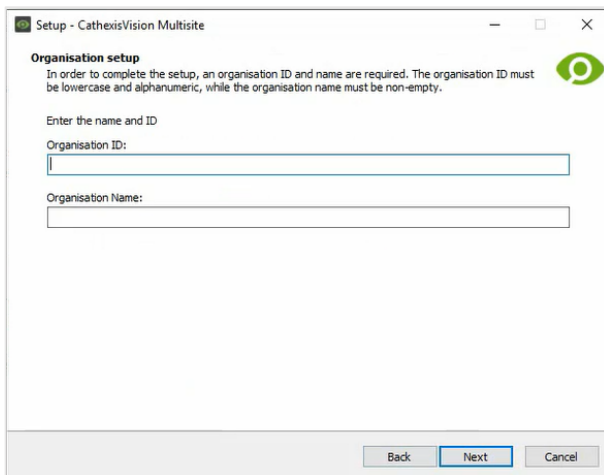### 2.2 MultiSite Setup Wizard

1. Click **Next** to continue.

2. Read the End User License Agreement.

3. Select "I accept the agreement".

4. Click **Next**.

5. Select the folder where CathexisVision MultiSite will be installed.

6. Click **Next**.

7. Enter the **Organisation ID** and **Organisation Name**.

   Note:

   - The Organisation ID must be lowercase alphanumeric. The Organisation Name field must be completed.

   - The user chooses their Organisation ID at the time of installation.

8. Click **Next**.
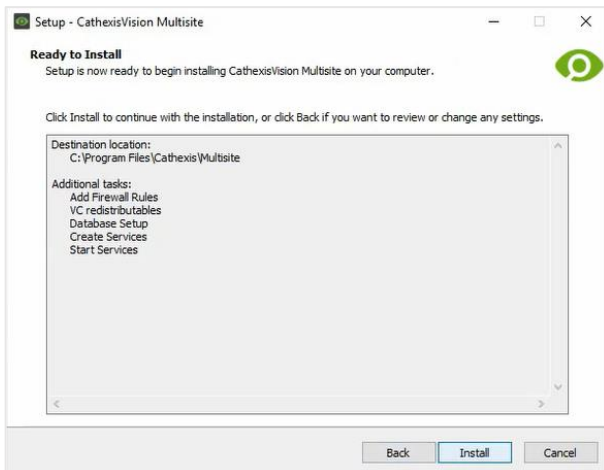
9. Review the installation settings.

10. Click **Install**.
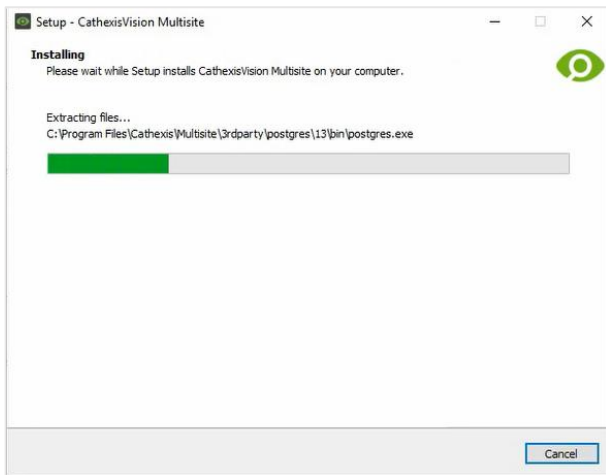
11. Wait while CathexisVision MultiSite is installed.

12. Once Setup has finished installing MultiSite, click **Finish**.

2.3 Check MultiSite Status

It is possible to check the status of the MultiSite installation at any point after installing it.

→ Find the CathexisVision icon in the taskbar.

→ Click it.
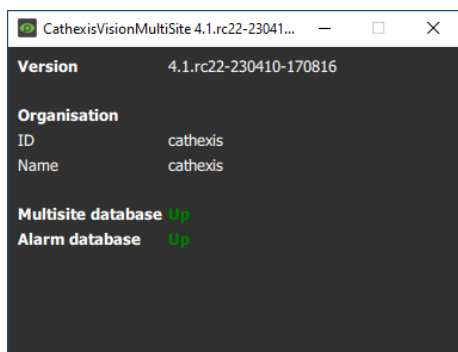
A window will open, displaying the following:

- CathexisVision MultiSite version
- Organisation ID
- Organisation name
- Multisite database status
- Alarm database status

3. Next Steps

After downloading and installing CathexisVision MultiSite, install the Carbon UI and configure the MultiSite connection. **Note**: For more information on connecting to a MultiSite installation using the Carbon user interface, consult the ***Carbon 4.1 Manual***.

3.1 Download and Install Carbon

Download and install CathexisVision Carbon (available on the Cathexis website https://downloads.cathexisvideo.com).

3.2 Add a MultiSite Connection in Carbon

Follow the steps below to:

• make the first connection to a MultiSite through Carbon

• Add CathexisVision sites to a MultiSite.

3.2.1 Configure MultiSite Connection

After opening Carbon for the first time, select the **Enterprise/MultiSite** connection type.
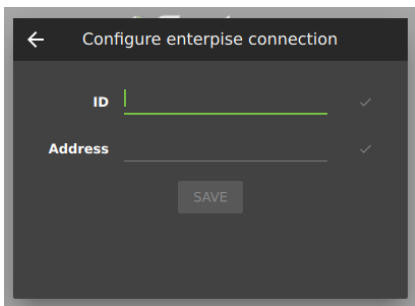
→ Enter an **ID** for the MultiSite connection.

→ Enter the **IP address** of the MultiSite server.

→ Click **SAVE**.

The user may then log in to MultiSite.

3.3.1.1 MultiSite Login
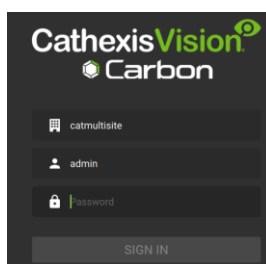
→ Enter the credentials for **username** and **password**.

> **Note**: The default login for MultiSite is
> **Username**: admin
> **Password**: 123456

→ Click **SIGN IN.**

3.2.2 Add a Site to MultiSite

To add a site (i.e. register a site with a MultiSite server):

1. The new site must be added to the MultiSite root domain.

2. The user must initiate a token from MultiSite.

3. This token must then be entered on CathexisVision client or server software.

3.2.2.1 Add New Site to Root Domain

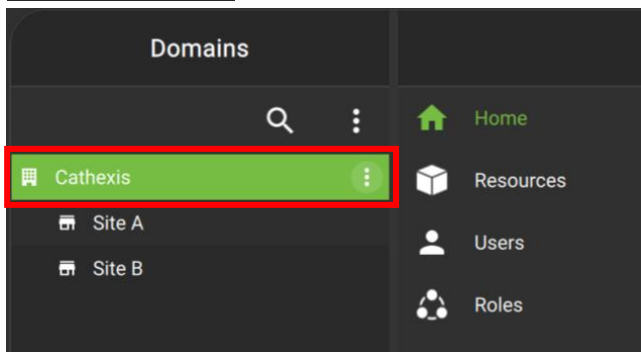In MultiSite, all sites are attached to the root domain (as opposed to Enterprise, which features a domain tree).
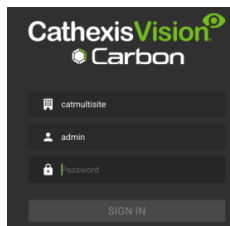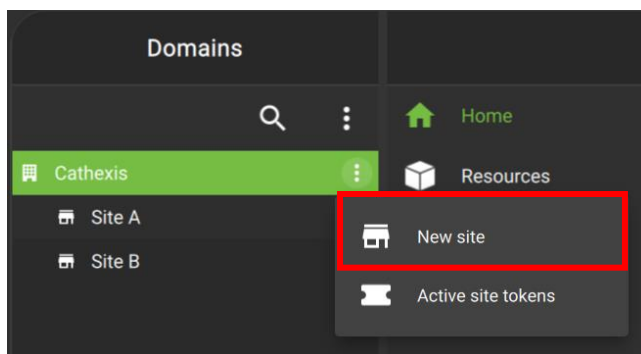

→ Log in to MultiSite through Carbon.
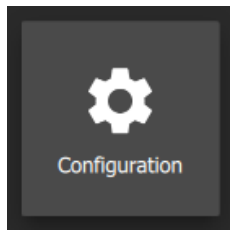
→ From the Carbon home screen, click the **Configuration** icon to open a new tab.

→ Click on the root domain. This action will highlight the root domain in green.

→ Hover the mouse over the right of the highlighted area. The menu icon will appear.

→ Click the menu icon.

→ Click **New site** to generate a token to add a new site.

The **New site window** will open.

3.2.2.2 New Site: Get Token

In the **New site window**:
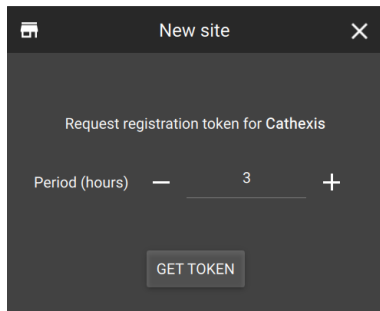
→ Select the period (in hours) for which the token will be valid.
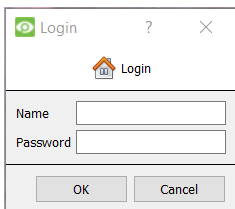
→ Click **GET TOKEN**.
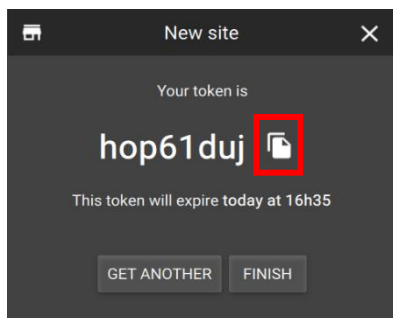
→ Click the **copy icon** to copy the token to the clipboard.
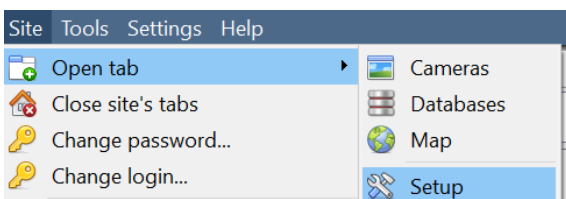
→ Click **FINISH**.

💡 **Note**: Clicking FINISH will complete the process of generating the token.

3.3 Connect CathexisVision Site to MultiSite

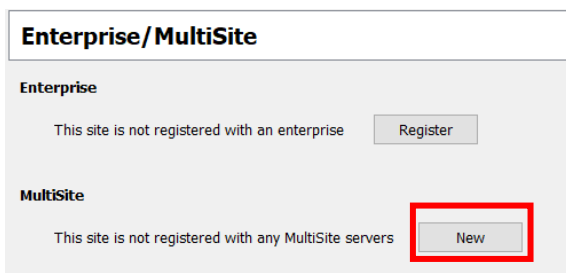→ **Log in** to the CathexisVision client or server interface.

→ Navigate to General setup by following the path: **Site / Open tab / Setup.**

→ 🏢 Click the **Enterprise/MultiSite icon** on the menu on the left.

→ From the Enterprise/MultiSite panel, click **New** under the MultiSite heading.

💡 **Note**: Each site that is connected to a MultiSite must have a unique name. If a site being added has the same name as a previously-added site, an error message will appear. To resolve the error message, the site will need to be renamed.
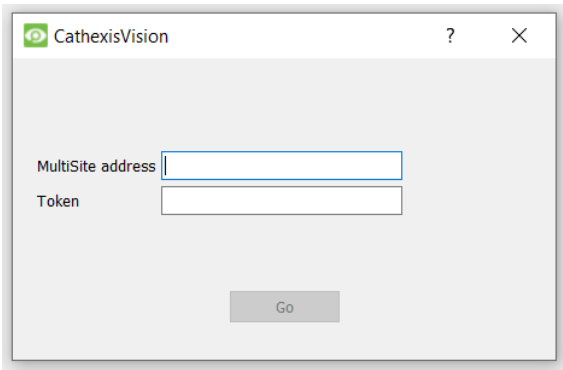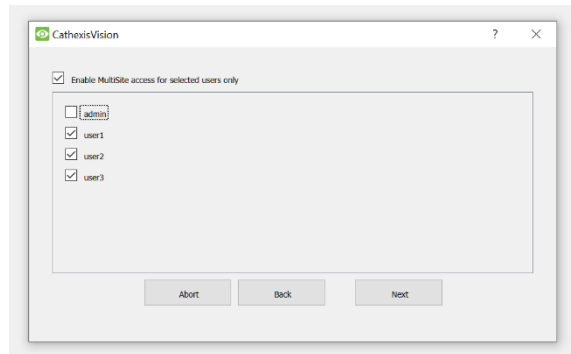
The administrator will enter or provide the **address**. (This is the IP address of the MultiSite server.)

→ Enter the **MultiSite address.**

→ Enter the **token number**.

→ Click **Go**.

The option to **Enable MultiSite access for selected users** will appear.

Enable MultiSite access for selected users only: If this option is enabled, the selected users (configured in CathexisVision) will be given access to the CathexisVision system through Carbon (MultiSite connection).

→ If choosing to enable MultiSite access for selected users only, check the box.

→ Then, check the boxes to select users. (In the following example, "user1", "user2" and "user3" have been selected.)
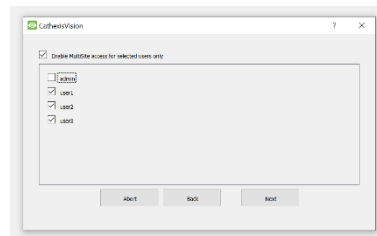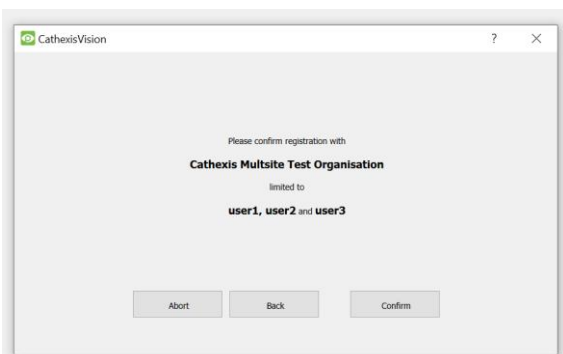
→ Click **Next**.

A window will open.

→ To confirm the site registration, click **Confirm**.

A window will pop up, confirming registration.

The Enterprise/MultiSite management area will now show that the site has been registered and a connection has been established.

MultiSite registration status: buttons

|	
Deregister	To deregister the site from the MultiSite server, click **Deregister**.
Change address	Click to change the address.
Edit users	To edit users, click **Edit users**.
Connected	The end of the row indicates the connection status.

3.4 View Added Site in Carbon

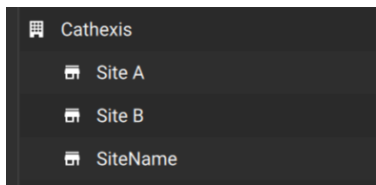To view the site, return to the Configuration tab in Carbon. Once refreshed, the site will appear on the folder tree.

To refresh:
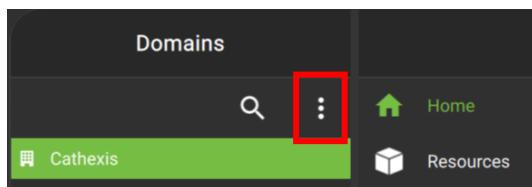
→ Click the horizontal ellipses (menu) icon.
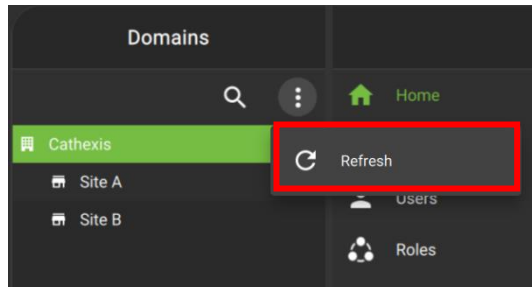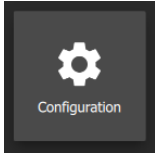

→ Click **Refresh**.

The newly-added site will appear in the folder tree.

## 3.5 Complete Configuration of Site Connection to MultiSite in Carbon

> **Note**: Complete the configuration of the site's connection to a MultiSite in the Configuration tab of Carbon.

→ Click **Configuration** to open a new tab from the home screen.

→ Select the site in the Domains panel on the left. The right configuration panel will show three tab options: General, **Settings** and Licenses.
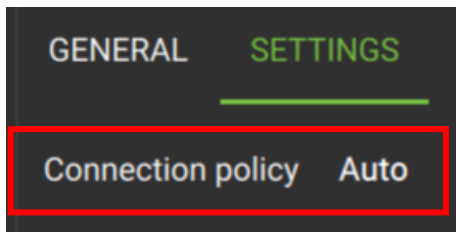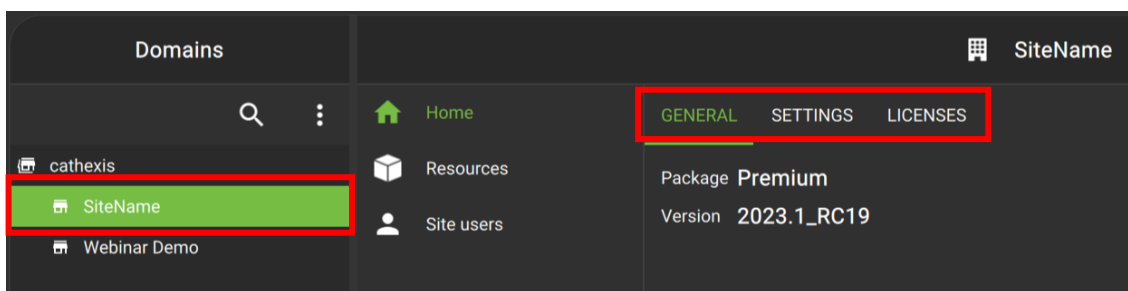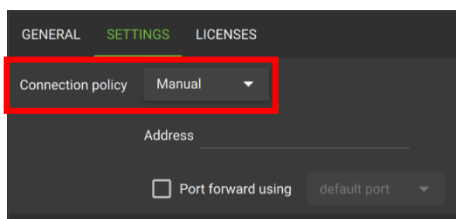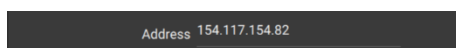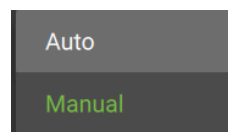
→ Select the Settings tab.

Under Settings, the user may edit the site's connection policy.

→ Click anywhere in the field.
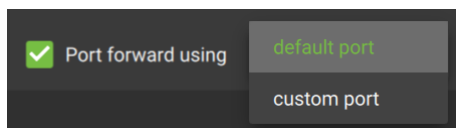
The options for editing will appear.

→ **Connection policy:** Choose between Manual and Auto. See table below for information on different connection types.

→ **Address (if Manual connection policy is selected)**: Enter the IP address.

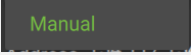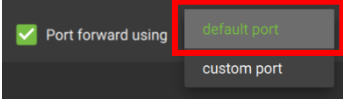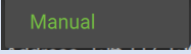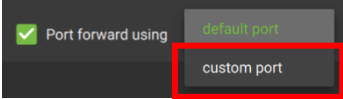→ **Port forward using**: Choose between default port and custom port.

→ Click the **save icon** to save changes.

3.5.1 Site Connection Types

Connection	Description – cases when connection type is used
Auto Auto	The MultiSite can determine the IP for the site by looking at the source address of the connection. Site → provides IP to → MultiSite (Carbon can get this IP)
Manual (port forwarding – *default port*) Manual	If the site sits behind a firewall, the details may be different. If the firewall has a single port opened and forwarded through to 30011 on the site, the operator can *enable port forwarding and use the default port*. Site → Firewall → different IP to site → *Manual port forwarding with default port if configured on firewall* (**30011** to 30011 on site)
Manual (port forwarding – *custom port*) Manual	If the site sits behind a firewall, the details may be different. If the firewall has a single port opened and forwarded through to 30011 on the site, the operator can *enable port forwarding and specify the port in the firewall which is being forwarded*. Site → Firewall → different IP and incoming port for site → *Manual port forwarding with custom port* (**custom port** to 30011 on internal site)

3. Conclusion

Please note that this document was designed to deal with the installation of CathexisVision MultiSite 4.1.

For further information about the CathexisVision software, consult the ***CathexisVision Setup Manual***, available on the Cathexis website: https://downloads.cathexisvideo.com/.

For support, please contact support@cathexisvideo.com.