



CathexisVision MultiSite 5 Installation Guide

Contents

1. Introduction	3
1.1 CathesisVision MultiSite	3
1.2 Specifications and Requirements	3
1.3 MultiSite Licensing.....	4
1.4 Documents.....	5
2. Installation Process.....	6
2.1 MultiSite Installation File.....	6
2.2 MultiSite Setup Wizard.....	6
2.3 Check MultiSite Status.....	8
3. Next Steps.....	9
3.1 Download and Install Carbon	9
3.2 Add a MultiSite Connection in Carbon	9
3.3 Connect CathesisVision Site to MultiSite	11
3.4 View Added Site in Carbon	13
3.5 Complete Configuration of Site Connection to MultiSite in Carbon	14
4. Conclusion	16

While Cathesis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit nor implied. Specifications are subject to change without notice.

1. Introduction

This document details how to install CathesisVision MultiSite 5.

1.1 CathesisVision MultiSite

CathesisVision 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
- Monitors*
- Alarms

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

*Supported in MultiSite 5.1 and later

1.2 Specifications and Requirements

1.2.1 Software

- CathesisVision 2023.1 and later
- CathesisVision Carbon 5

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 *CathesisVision 2023 Software Product Description and Licensing* document for more information on CathesisVision licensing requirements.

Included
 License required

CathesisVision Package	MultiSite connection
LITE	No
CORE	<ul style="list-style-type: none"> <input type="checkbox"/> A camera channel on a CORE site requires a per-camera enabler license in order for it to be presented in MultiSite. <input type="checkbox"/> Other site feature licenses are required: A CORE site needs to have the appropriate licenses installed in order for its resources to be presented in the MultiSite Video Wall and Maps. Note: Alarms are unavailable for CORE sites connecting to MultiSite.
PROFESSIONAL	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cameras on PROFESSIONAL sites are presented for use in MultiSite automatically. <input type="checkbox"/> Other site feature licenses are required: A PROFESSIONAL site needs to have the appropriate licenses installed in order for its resources to be presented in the MutiSite Video Wall, Map and Alarms.
PREMIUM	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cameras on PREMIUM sites are presented for use in MultiSite automatically. <input checked="" type="checkbox"/> Video Wall, Map and Alarms are included in PREMIUM site packages. Therefore, site resources are presented in the MultiSite Video Wall, Map and Alarms automatically.

License code	Feature license required for site resources to be presented in MultiSite
CMSC-1001	Per-camera enabler
CVGA-2001	Video Wall
CMAP-2000	Maps
CMSA-2000	Alarms

1.4 Documents

For information about connecting to MultiSite through the Carbon GUI, consult the following manuals, available on the Cathesis website (cathesisvideo.com):

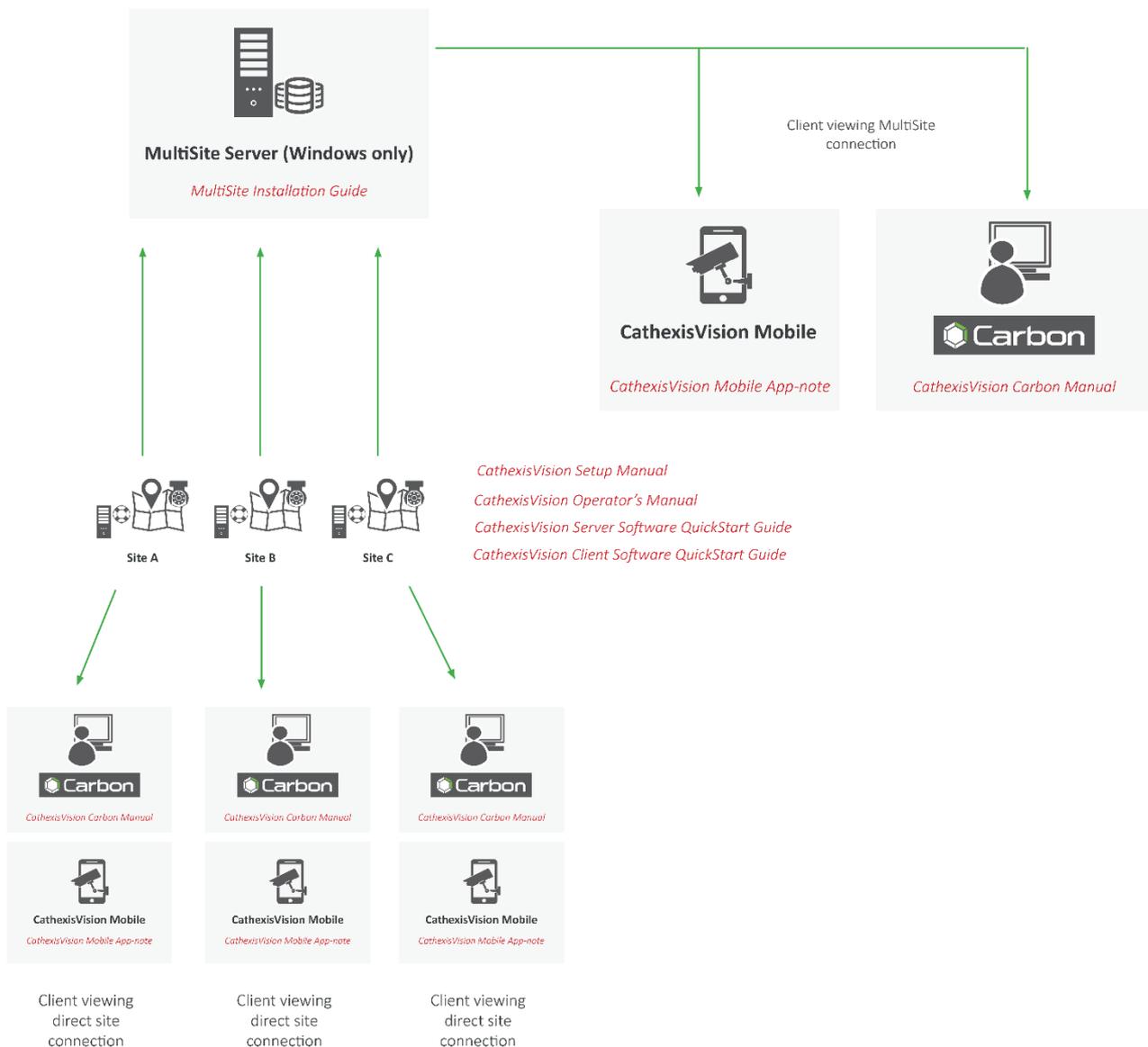
- ***CathesisVision Carbon 5 Manual***
- ***CathesisVision Carbon 5 White Paper***
- ***CathesisVision Carbon 5 Operator's Guide***

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

- ***CathesisVision Mobile 5 App-note***

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

- ***CathesisVision Setup Manual***
- ***CathesisVision Operator's Manual***
- ***CathesisVision Server Software QuickStart Guide***



2. Installation Process

2.1 MultiSite Installation File

1. Download the MultiSite 5 installation file from the Cathexis website (<https://downloads.cathesisvideo.com/>).

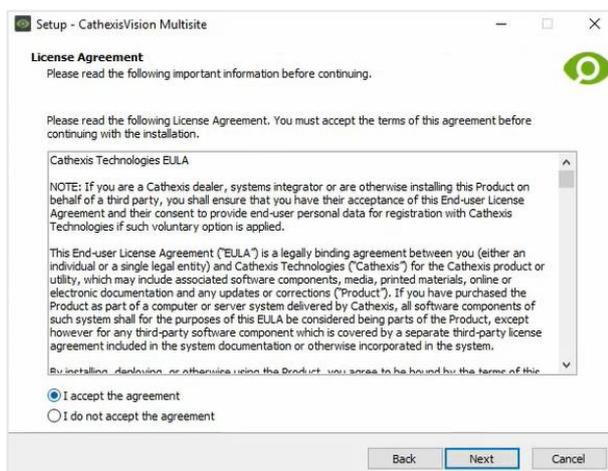
2. Run the installer. CathexisVision-Multisite-5.1.exe

The CathexisVision MultiSite Setup Wizard will open.

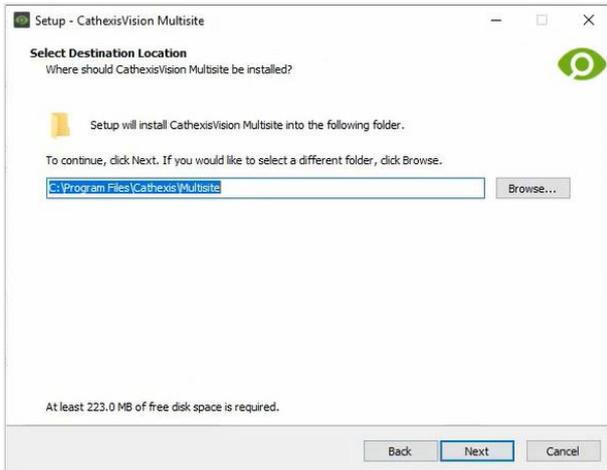
2.2 MultiSite Setup Wizard



1. Click **Next** to continue.

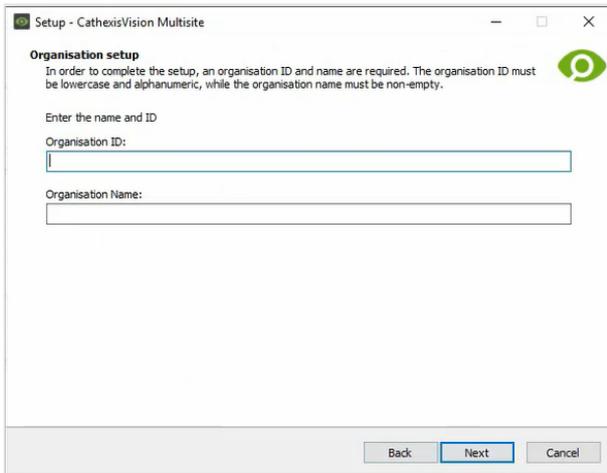


2. Read the End User License Agreement.
3. Select "I accept the agreement".
4. Click **Next**.



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

6. Click **Next**.

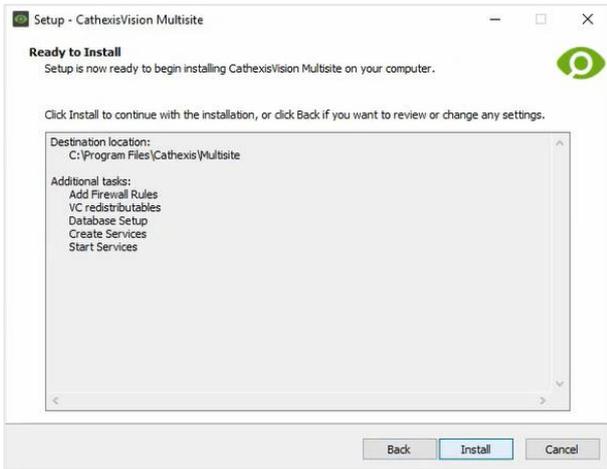


7. Enter the **Organisation ID** and **Organisation Name**.

Note:

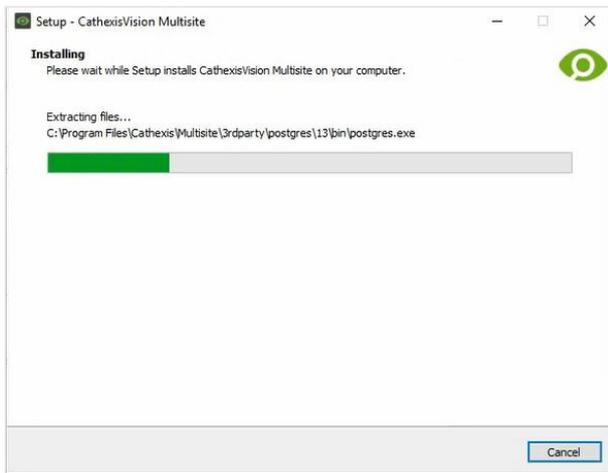
- The Organisation ID must be lowercase alphanumeric. The Organisation Name field must be completed.
- The user chooses their Organisation ID at the time of installation.

8. Click **Next**.

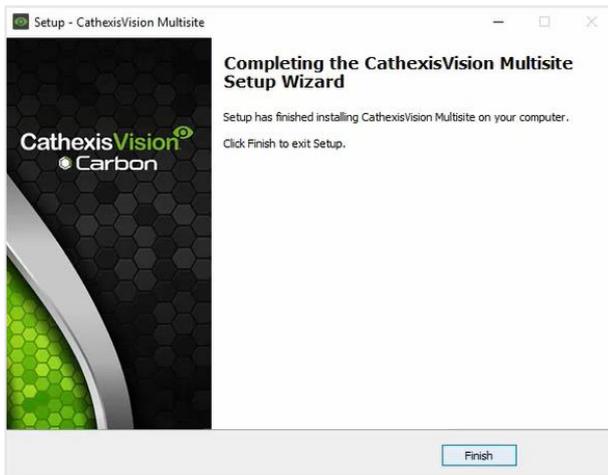


9. Review the installation settings.

10. Click **Install**.



11. Wait while CathexisVision MultiSite is installed.



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

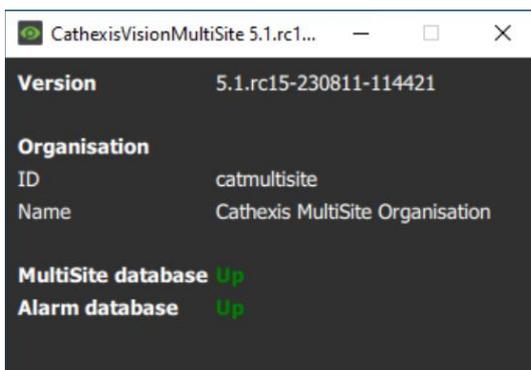
2.3 Check MultiSite Status

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 CathesisVision 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 Manual*.

3.1 Download and Install Carbon

Download and install CathesisVision Carbon (available on the Cathesis website <https://downloads.cathesisvideo.com>).

3.2 Add a MultiSite Connection in Carbon

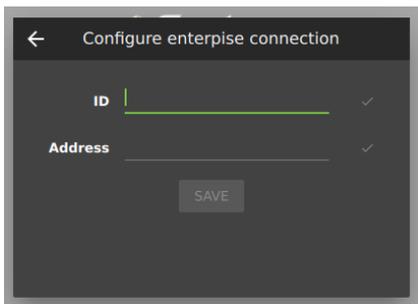
Follow the steps below to:

- make the [first connection](#) to a MultiSite through Carbon
- [Add CathesisVision 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. (**Note:** The ID is chosen during setup/installation. See [2.2](#))

→ Enter the **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):

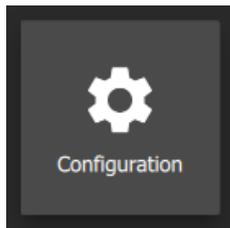
1. The new site must be [added](#) to the MultiSite root domain.
2. The user must initiate a [token](#) from MultiSite.
3. This token must then be [entered](#) on CathesisVision client or server software.

3.2.2.1 Add New Site to Root Domain

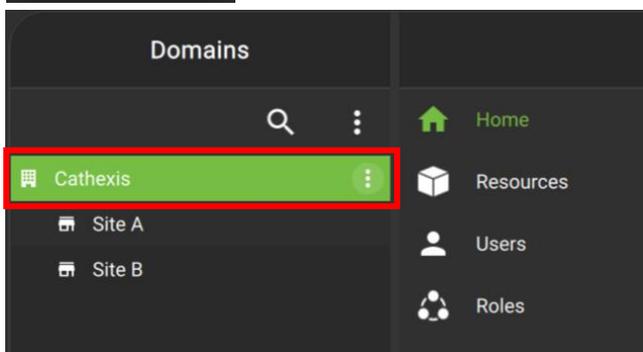
In MultiSite, all sites are attached to the root domain (as opposed to Enterprise, which features a domain tree).



→ Log in to MultiSite through Carbon.



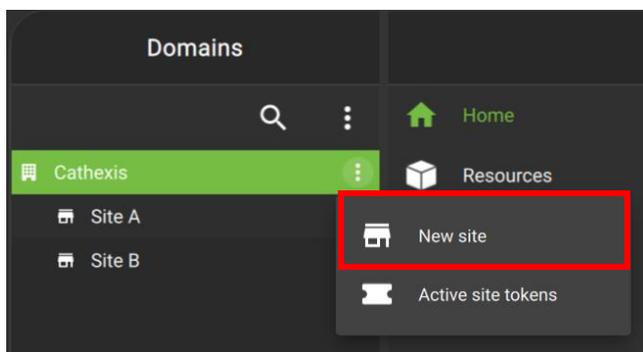
→ From the Carbon home screen, click the **Configuration** icon to open a new tab.



→ 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.

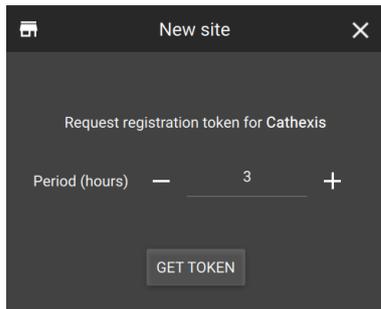


→ Click **New site** to generate a token to add a new site.

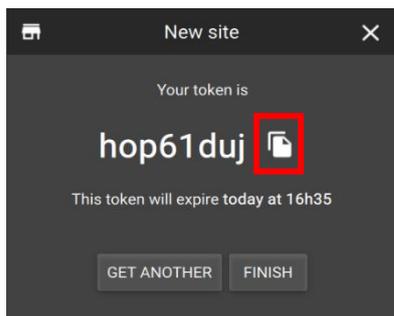
The **New site window** will open.

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**.

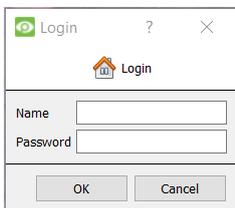


- Click the **copy icon** to copy the token to the clipboard.
- Click **FINISH**.

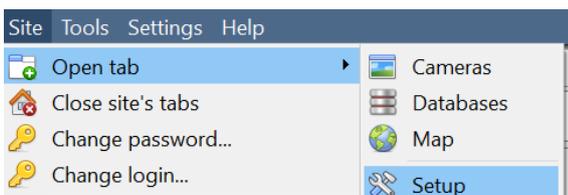


Note: Clicking FINISH will complete the process of generating the token.

3.3 Connect CathexisVision Site to MultiSite



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



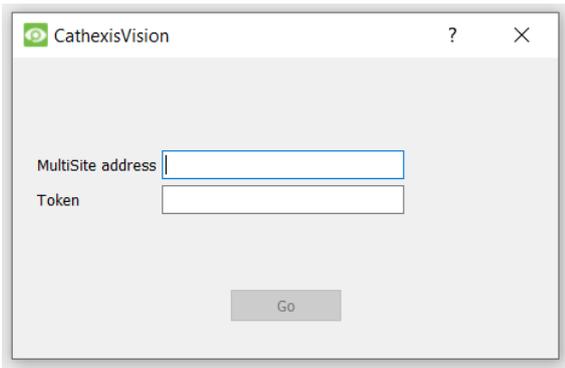
→ Navigate to General setup by following the path: **Site / Open tab / Setup**.

→  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.

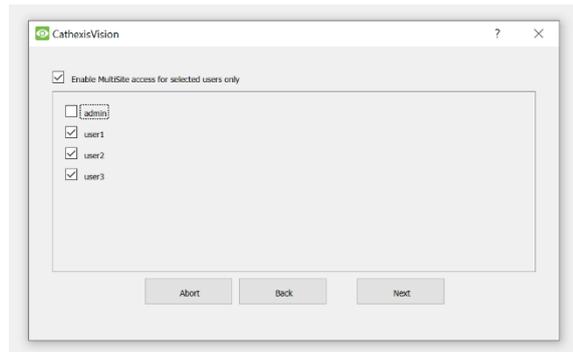


The administrator will enter or provide the **address**. (This is the IP address of the MultiSite server.)

→ Enter the **MultiSite address**.

→ Enter the **token number**.

→ Click **Go**.



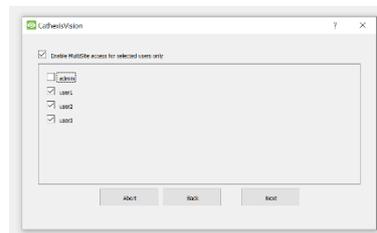
The option to **Enable MultiSite access for selected users** will appear.



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

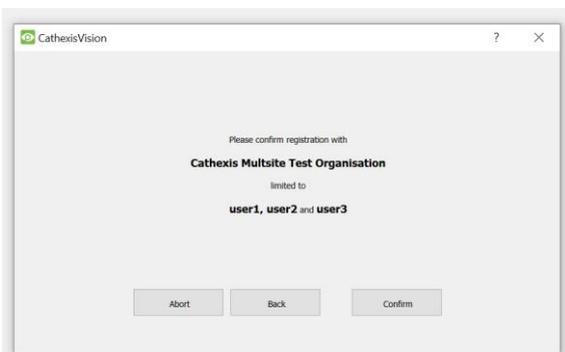


→ Click **Next**.

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.

cathesis at address **192.168.35.30** limited to **admin**

Deregister

Change address

Edit users

Connected

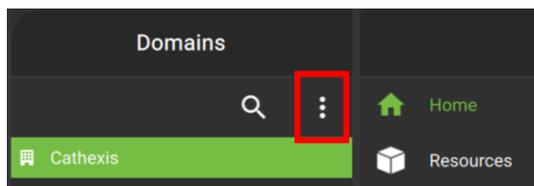
MultiSite registration status: buttons

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

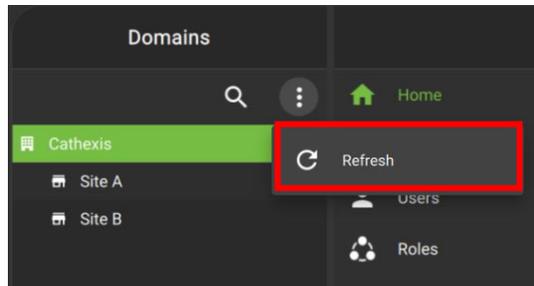
3.4 View Added Site in Carbon

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

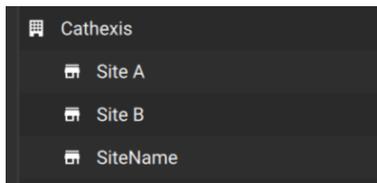
To refresh:



→ Click the horizontal ellipses (menu) icon.



→ Click **Refresh**.

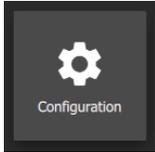


The newly-added site will appear in the folder tree.

3.5 Complete Configuration of Site Connection to MultiSite in Carbon

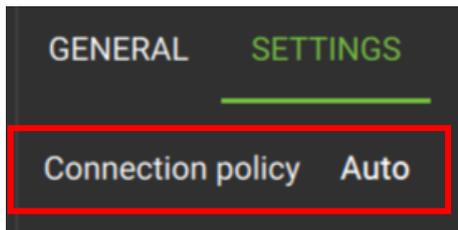
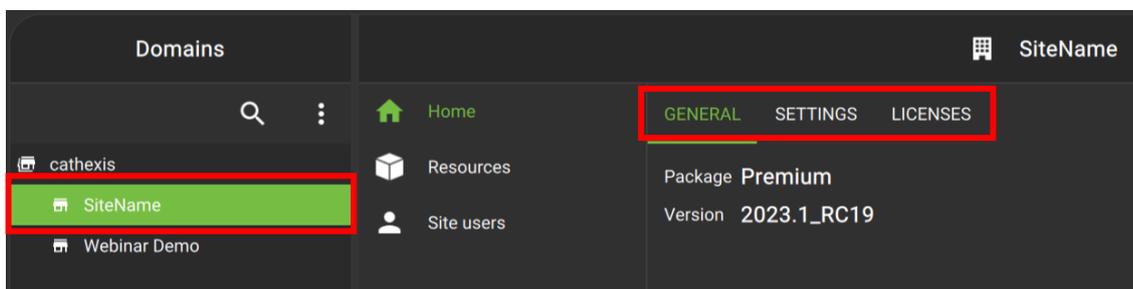


Note: Complete the configuration of the site's connection to a MultiSite in the Configuration tab of Carbon.



→ 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.

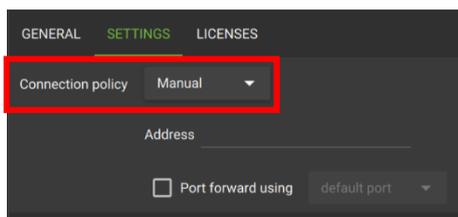


→ Select the Settings tab.

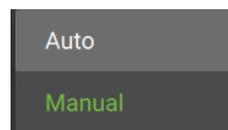
Under Settings, the user may edit the site's connection policy.

→ Click anywhere in the field.

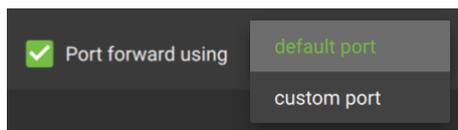
The options for editing will appear.



→ **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.

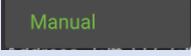


→ **Port forward using:** Choose between default port and custom port.



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

3.5.1 Site Connection Types

Connection	Description – cases when connection type is used
<p>Auto</p> 	<p>The MultiSite can determine the IP for the site by looking at the source address of the connection.</p> <p>Site → provides IP to → MultiSite (Carbon can get this IP)</p>
<p>Manual (port forwarding – default port)</p> 	<p>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 <i>enable port forwarding and use the default port</i>.</p>  <p>Site → Firewall → different IP to site → <i>Manual port forwarding with default port if configured on firewall (30011 to 30011 on site)</i></p>
<p>Manual (port forwarding – custom port)</p> 	<p>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 <i>enable port forwarding and specify the port in the firewall which is being forwarded</i>.</p>  <p>Site → Firewall → different IP and incoming port for site → <i>Manual port forwarding with custom port (custom port to 30011 on internal site)</i></p>

4. Conclusion

Please note that this document was designed to deal with the installation of CathesisVision MultiSite 5.

For further information about the CathesisVision software, consult the ***CathesisVision Setup Manual***, available on the Cathesis website: <https://downloads.cathesisvideo.com/>.

For support, please contact support@cathesisvideo.com.