CatMobile Setup

Contents[1]

1 Requirements 2
a. Operating system and Corresponding CatVision Software 2
2 Setup 3
a. Networking 3
b. Enabling on Windows, and Fedora Units 3
c. On NetBSD Units 4
d. On Browser 4
e. On Phone 4

[1] While Cathexis 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 Requirements

a. Operating System and Corresponding CatVision Software

This is a list of the different operating systems that CatVision runs on, along with the corresponding software versions, and updates, needed to have Mobile access to CatVision.

NetBSD 4.0 DSS

5041h software: Apply *remote_upgrade.tgz.html5_5041h_2.001_RC17.40*

5042d software: Apply *remote_upgrade.tgz.html5_5042d_2.001_RC17.40*

5043a software: Apply *remote_upgrade.html5.40*

Windows NVR

5042d software: Extract *html5_5042d_2.001_RC17_win32.zip* in the NVR installation directory.

5043a software: Enable "CatMobile Access" in the General setup.

Linux NVR

5043a software: Enable "CatMobile Access" in the General setup.

Supported Desktop browsers:

Minimum requirements are HTML5 with WebM video streaming support. Navigating to the CatMobile web app will indicate your level of browser support.

- Firefox 4 or later
- Internet Explorer 9 or later (with WebM installed)
- Minimum version 8.0

Supported mobile devices:

- iOS 5 or later
- Android 2.3 or later with OpenGL ES 2.0 support.

TCP Ports Used:

HTTP:80 (TCP)

2 Setup

a. Networking

To access individual servers from outside of the LAN on which they are situated you need to make some network changes. Specifically you will have to setup Port Forwarding on your external router, which will route connections to specific servers.

This is because any network access outside of the LAN will come through an external router, which connects to the internet via a single IP address (which is either static or dynamic). To redirect the incoming connections to the correct unit we have to associate specific ports with specific units. [2]

By default all HTTP connections go via port 80, so when you type an IP address into your HTTP browser you will either be directed to the router through which that network accesses the internet, or the main HTTP server on that network.

As an example scenario:

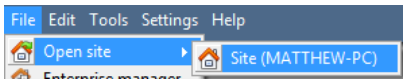
You have forwarded port 8181 to a unit with the IP address 100.100.100.100, a public IP address of 200.200.200.200, and you have an HTTP server setup on that unit. Type the public IP into your browser, followed by :8181 [e.g. 200.200.200.200:8181] the router will pass your connection straight through to the HTTP server on unit 100.100.100.100.

Note: For information on setting up Port Forwarding look to www.portforward.com

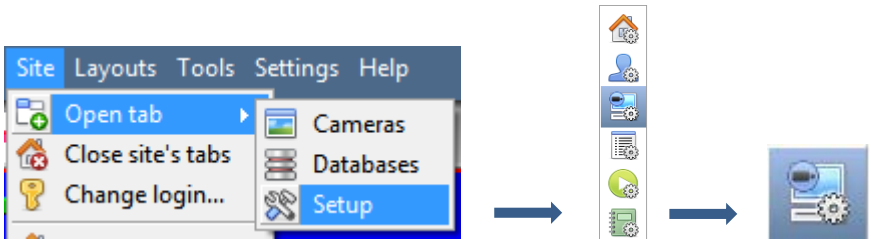
b. Enabling on Windows, and Fedora Units

Mobile access requires access to individual cameras. This means that you need to enable access on a server, by server, basis. To do so follow these instructions:

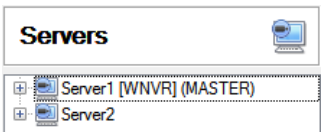
Click on File —> Open Site —> siteName



Site —> Open Tab —> Setup —> Configure Servers



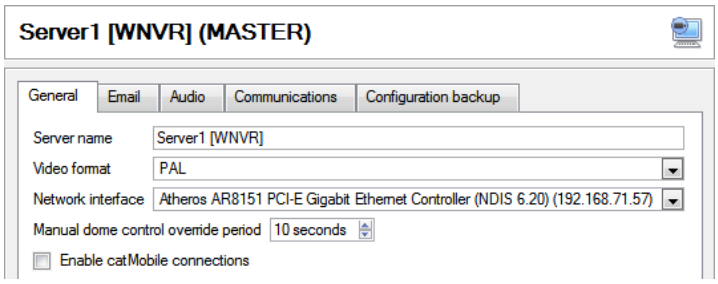
Select Individual Servers from the Servers Panel



As you can see there are two servers on this site [Server1, and Server2].

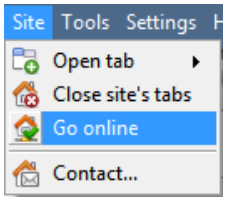
You have to select each one and configure it to allow remote Mobile connections.

[2] Think of it like postal addresses. A block of flats represents a LAN, and the external IP address of this LAN is the street address of the block of flats. By setting up Port Forwarding we add the address of individual units to the address.



Once you have selected your server the options for this particular server will appear in the panel to the right, headed with the server's name. Under General check the box titled

and click



Note: This will restart the system, and you need to go *Site —> Go Online* in order to restart the system.

Mobile access is now enabled for this particular server. Make sure to repeat these steps for each server whose cameras you want available for Mobile viewing.

c. On NetBSD Units

Upgrade DVR units to 5041g3/5042c3 or above.
Upgrade DVR units with new HTML 5 remote upgrade file.

d. On Browser

The core requirement needed to run CatMobile is HTML5. (E.g. the latest Mozilla Firefox.)

Firefox

Minimum version 4.0

Internet Explorer

Minimum version 9.0
You will need to have the WebM addition installed. If you do not have it, IE will prompt you to do so, and direct you to a download location.

Chrome

Minimum version 8.0

e. On Phone

CatMobile for iPhone, iPad, and iPod touch is available on the Available on the App Store [3]

CatMobile for Android is available on the ANDROID APP ON Google play [4]

[3] Apple, the Apple logo, iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

[4] Android is a trademark of Google Inc. Google Play is a trademark of Google Inc.