Setup Tab: Reports

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[1] While Cathexis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit, nor implied.
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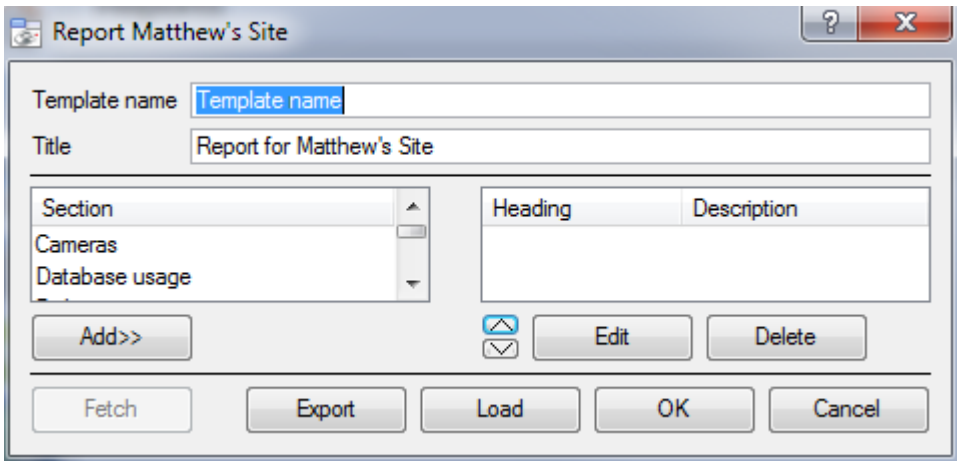
1 Reports

CatVision offers extensive reporting on both the Hardware, and Software, that comprise your Site. A very practical feature of Reports is the ability to create **Report Templates**. These are pre-defined sets of reports that will pull the same information each time. One of the real benefits of the Templates is the ability to retrieve the reports on a schedule.

a. Controls

Add, Edit or Delete

To Create a Report, or edit a new one, click on either New or Edit. In the Report Template Editing window below you will see two columns. The column on the left is populated with all the available Report Variables. The column on the right is filled with the variables that you wish the current Report Template to use.



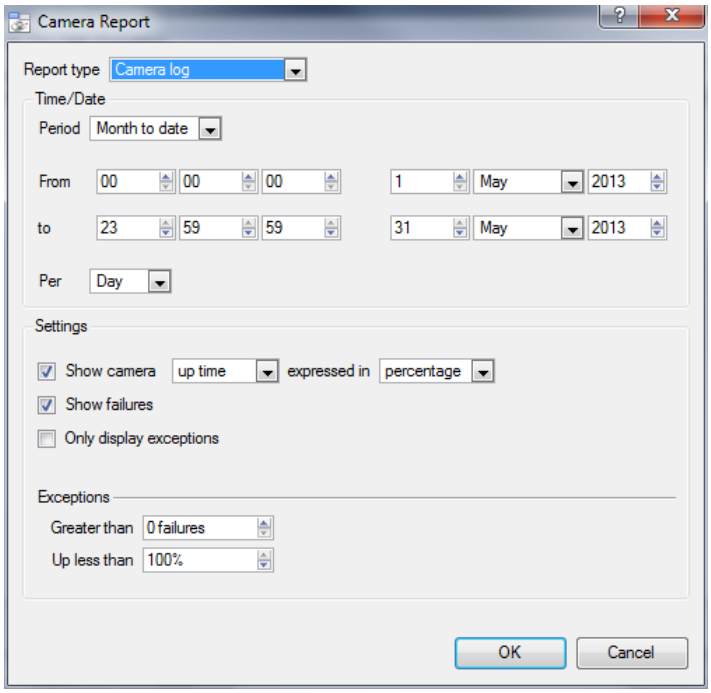
Template Name is the name of the Template.
Title will be the title of Report that is produced.
Add will add the selected variable to the Report's list of active variables.
Edit will edit a variable selected from the active list.
Export will export the Template as local file on the Master NVR, which can then be imported to another Site using the **Load** button.

Fetch will generate the Report that you have setup, based on the variables that are currently populating your active variables list.

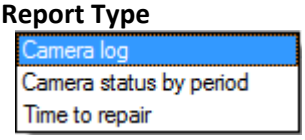
Note:

- Many of the report variables will require some setup.
- The reports will appear wherever the variable appears in the list. So add them in the order that you want them to appear in the report.

- ***Cameras***



Report Type

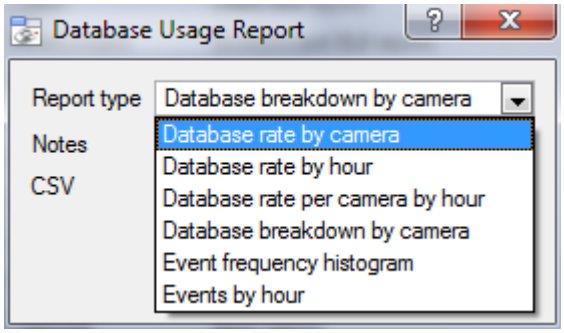


Choose one of the descriptive Report Types.

Show failures tells the report to show the number of failures for a camera over the given period (a failure is when the camera goes from working to not working i.e. it fails)

Only display exceptions tells the reports to only show cameras that meet the exception criteria, which the user specifies on that same page. This is useful if you only want to see the problem cameras.

- ***Database Usage***

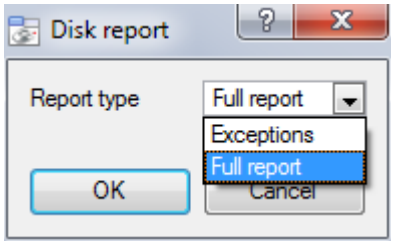


Report Type. Choose from one of the descriptively titled Database Report Types.

Notes. You may add some notes about the report, or why you are fetching it.

CSV. This will generate the information in Comma Separated Values, instead of a table. This is a standard representation of data, and can be moved into a spread-sheet if necessary.

- ***Disks***



Report Type.
A Full Report will contain all available information on the Disks, including temperature, and Raw Read Error Rates.

An Exception Report will contain only information on Exceptions that have occurred.

- ***Environment***

Environment will fetch information about the environment inside your servers. Such as voltages, CPU temperatures, and fan speeds.

- ***File Systems***

This will bring up a report on the File System setup of the unit. This includes the partitions of the drives, which partition they are, and how full they are.

When adding a File Systems report you will be prompted to choose between a report of all file-system information, and one that just pulls the data on Exceptions.

Note: This feature is only available on NetBSD units.

- ***Hardware***

This will fetch a full list of the relevant hardware components inside your servers. (Includes pc hardware, and Cathexis specific hardware)

- ***Licenses***

This will fetch a list of all the licenses on all of the units attached to your site. (This will exclude the Base Stations.)

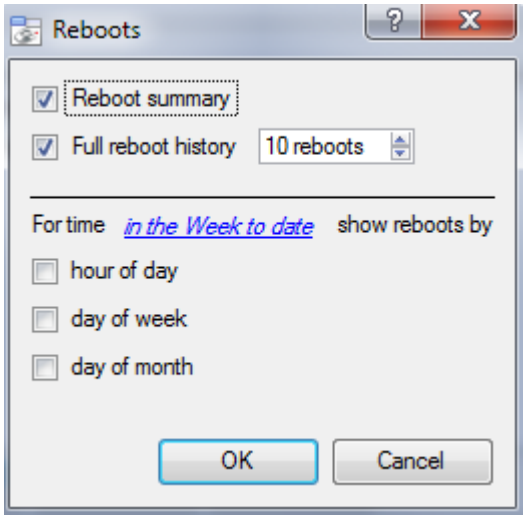
- ***Network Time Protocol Queries***

If you have setup NTP, this report will pull all NTP query related information.

- ***RAID***

If you have setup a RAID storage system this report will fetch the relevant RAID information for you.

- ***Reboots***



Reboots are an important problem to monitor.

If you want to fetch reboot reports for a period other than *in the Week to date*, click on the hyperlink.

This will take you to the calendar settings, where you may set the report to pull information from a

- **From-To** period. (E.g. from X date-and-time, to Y date-and-time)
- From the **previous** X hours, or
- Over a **period** of time, starting at a set time, on a set day.

- ***Recording Times***

The amount of time each camera, on each server, has spent recording.

- ***Software***

This will list the version of CatVision running on each server.

- ***System***

This will list the Time Zone related information. (Time, Time Zone, Daylight Savings.)

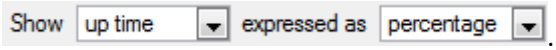
- ***System Setup***

This relates to the cameras/encoders attached to your system, and how they are setup. There are two options a **Camera Recording Setup** report, and an **Encoder Setup** report.

Camera Recording Setup	This will pull all the information related to the actual recording of images. Such as the frame-rate of recording, the pre-event recording time, and the post-event recording time.
Encoder Setup	This will pull all the information related to the setup of the encoders. Such as: the Type of Encoder, the IP address of the encoder, the name of the camera, which input(physical input on the Encoder) it represents, the Firmware etc.

- ***Unit Up-Time***

Up-Time is the amount of time that your unit stays on between reboots, or failures. It is of similar importance to Reboots.

And an important setting is 

. You may either show Up-Time, or Down-Time. You may also express the Up/Down-time as a percentage, or in time units.

- ***User Defined***

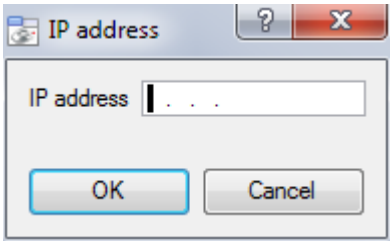
When adding a User Defined variable you will be presented with an empty text editor box.

The text you add here will simply be added as a section in the report. You may use this to add any general notes, or information you need to appear in the report.

- ***VMX Counters and VMX Temperatures***

Each brings up a different set of information about VMXs attached to your servers.

- ***Windows Unit***

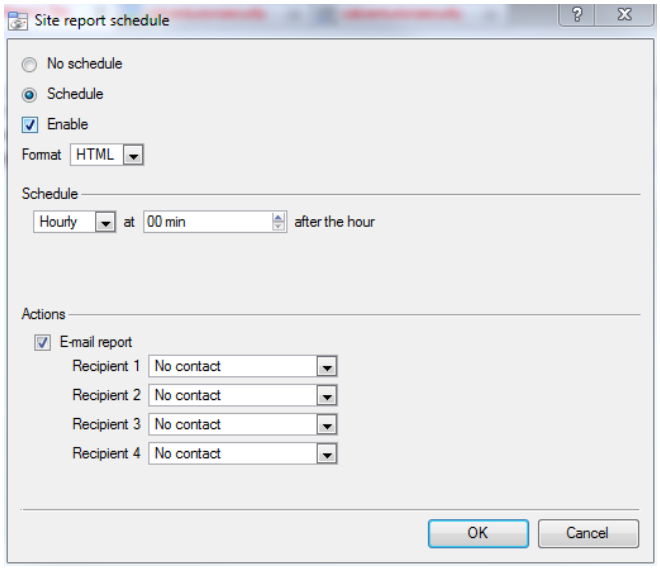


When adding a Windows Unit you will be prompted to enter an IP address.

This report will pull information for Windows Base Stations that use your Site.

This will include hardware, and software information about the Base Station, as well as the CatVision applications that it has been using.

Schedule



To add a Schedule to a report: Select a report from the Reports list, and click on the Schedule button.

Format. Emailed reports are sent in HTML format.

Schedule. The actual schedule may be generated of a variety of time frames, from hourly to monthly.

Actions
If you have setup emailing on your site, and setup some Site Contacts, then you may email the reports when they are generated.

Fetch

This will pull the report for the Template that you have Chosen.

At the bottom of the fetch window you have four options.

1. **Print** the report
2. **Export** the report as an HTML file, for later use.
3. **Email** the report
4. **Archive** the report
    a. The archived reports are filed under Install_Path\sitedb\reports.
    E.g. C:\Program Files (x86)\Cathexis catVision Suite WRV\sitedb\reports