



Manitou 2.1.35 Release Notes

September 2022

Manitou®

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Enhancements/Features

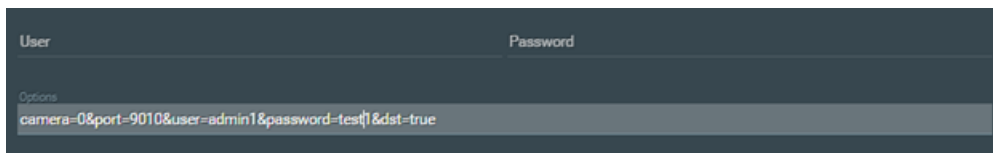
Update the Report Publisher to be compatible with new OAuth from Office365

Office365 is discontinuing support for Basic Authentication beginning October 1st. To accommodate this, the Report Publisher needs to be updated to be compatible with the changes from Office365. Please contact support to set up a time to update to the latest files. Any site that is using Office365 currently will need to update their report publisher as outlined in this document: [Configuring Office365 for Publisher](#).

We added security features when storing device passwords

What changed?

We added distinct username/password fields to the Devices (cameras) page in the Manitou Web Client.

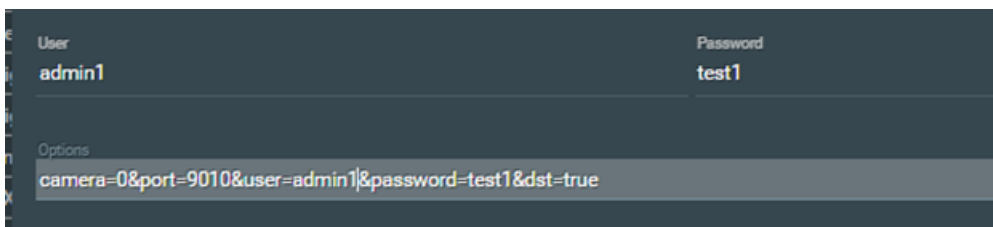


User	Password
Options camera=0&port=9010&user=admin1&password=test1&dst=true	

Users requested the ability to store usernames and passwords in a method where the passwords were not exposed to anyone who can view the screen.

How does this change impact the user?

For the monitoring centers who wish to use this feature, they can remove the usernames and passwords from the Options string and add them to the appropriate blanks.

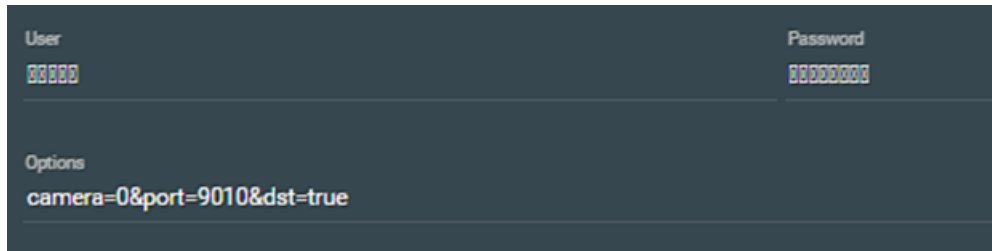


User	Password
admin1	test1
Options camera=0&port=9010&user=admin1&password=test1&dst=true	



User	Password
admin1	test1
Options camera=0&port=9010&dst=true	

As shown in the screenshots, when the usernames and passwords are added to their fields, and removed from the Options string, the passwords will be stored in an encrypted manner and be hidden from view. This only needs to be done if you wish to hide the passwords from view.



The screenshot shows a dark-themed web form with three input fields. The first field is labeled 'User' and contains several masked characters. The second field is labeled 'Password' and also contains masked characters. The third field is labeled 'Options' and contains the text 'camera=0&port=9010&dst=true'.

Note: The new user and password fields are OPTIONAL and not required. Customers may continue to put the user and password as plain text in the Options field.

CAVEATS:

- These are two NEW fields
- Once data is entered and saved, these **CANNOT** be decrypted
- For Exacqvision, for health status to work, the user and password need to stay in the OPTIONS field.
- Copying an account will not copy the Device User or the Device Password

We added 'Discover' features to Digital Watchdog for VCC

We added the ability to use Digital Watchdog's device discovery features to find and pre-populate all available camera devices, on a cloud-based NVR, to the Manitou Web Client. Complete details for the use of this feature may be found in the documentation located at [Manitou-Digital-WatchDog-Device-Discovery](#).

We Created a Media Gateway to be compatible with new OAuth from Office365

Office365 is discontinuing their support for Basic Authentication beginning October 1st. Media Gateway needs a driver to support the changes and requirements from Office365. We created a new Universal Connector type of O365OAUTH that is compatible with Office 365 disabling their Basic Authentication. Any site that is using Office365 currently will need to update their mail server and Media Gateway as outlined in this document: [Configuring Office 365 for Universal Connector](#).

Application Corrections

Resolved Issues

We improved how the Video Control Center (VCC) Connects to HikVision devices

Users reported that they were sometimes unable to connect to HikVision devices, and when they were, sometimes the video controls were hidden by Visiotech controls. To help, we added additional logging to help diagnose connection problems. We also added some intelligence in the backend so the VCC could determine the appropriate time to display the video controls or not.

We added parameters to improve connections to HikVision devices

The following Parameters were added for HikVision devices:

--- LINKMODE

----- Connection method : 0- TCP, 1- UDP, 2- Multicast mode, 3- RTP, 4-RTP/RTSP, 5-RSTP/HTTP

----- Acceptable values: (case insensitive) (Default: 0, TCP)

LINKMODE=<int> or <string> ie: linkmode=0 and linkmode=tcp are equal.

{ 0, TCP } (TCP Link Mode)

{ 1, UDP } (UDP Link Mode)

{ 2, MULTI } (Mult-Play Link Mode)

{ 3, RTP } (RTP Link Mode)

{ 4, RTSP } (RTP/RTSP Link Mode)

{ 5, HTTP } (RTSP/HTTP Link Mode)

--- STREAM

----- Code stream type : 0-Main stream, 1-Substream, 2-Code stream 3, 3-Code stream 4, and so on...

----- Acceptable values: (case insensitive) (Default: 0/1 auto-determined if not specified)

STREAM=<int>

{ 0 } (Main Stream)

{ 1 } (Sub-Stream)

{ 2 } (Code Stream 3, not typically used)

{ 3 } (Code Stream 4, not typically used)

{ 4 } (Sub-Stream 5, not typically used)

... and so on.

Example Usage:

Device-Address: 172.16.142.224

Device-Options: camera=3&user=admin&password=12345&port=8000&linkmode=rtp&stream=0&log

Device-Type: VCC HIK5

Resolved Issues

We fixed an issue that prevented AR numbers from being saved

On a NON-INTERFACED accounting company, the AR Numbers were not being stored when added to a customer.

We addressed an issue that prevented all TXTypes from being displayed

Some users reported that, even when clicking the 'All' checkbox on the Transmitters screen, they were still not seeing all available TXTypes.

We resolved an issue that prevented the Web Client installer from retaining OAUTH settings

The most recent version (update 34) of the Web Client installer was not retaining OAUTH settings during the upgrade, which may have reverted the User Password Expiration setting back to 90 days.

We fixed an issue that prevented some reports from being run

Custom reports, when added to Manitou, were not displaying or auto-filling Dealer level custom report fields, despite those fields being a part of the custom report. These reports still run in the Operator Workstation.

We improved the business rules for Escalation in Enhanced Action Patterns

It was possible, when creating an Action Pattern, to use the Escalate command to escalate to the identical Event Code, Transmitter, Area, and Zone. Doing so would create a loop, since the same action pattern would be used.

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We addressed issues that may have cause problems with the MSM Command Line Interface

There were some configurations of the MSM where, when using the Command Line Interface (documented in the Manitou Configuration Parameters Document), where the MSM was not updating current DB information with the MMonitor. This caused unpredictable behavior.

We resolved an issue that prevented easy password entry by operators

Update 34 introduced new options for password privacy within Manitou. The default behavior is for the new option to be disabled. Sites that updated to 34 and left the default setting reported that they could not select a password from the list (as they had been previously able).

Resolved Issues

We fixed an issue that caused errors in custom report in non-U.S. systems

Users in Australia reported that, when running a custom report, they received errors stating 'Invalid date format'. We made several fixes surrounding date entry in custom reports to resolve this.

Supported Environments

Minimum System Requirements

- Windows Server 2012 R2
- 8 GB Memory
- Dual Core Processor
- MS SQL Express 2012 / MS SQL Server 2012
- 50 GB of Free Space for Database
- Windows 10 for Operator Workstations