GETTING STARTED GUIDE

EMEMS

ALERTWERKS EMEMS EMEMS SOFTWARE

24/7 TECHNICAL SUPPORT AT 1.877.877.2269 OR VISIT BLACKBOX.COM





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CHAPTER 1: OVERVIEW



1.1 INTRODUCTION

This manual is a Getting Started Guide. It is a walkthrough of the HTML5 UI of EMEMS Software and a demonstration of its important features.

This is not a complete setup manual. We'll explain only the important sections with a little more detail.

98% of AlertWerks features are also on the HTML5 UI and configuring them matches the Windows client (wx).

1.2 EMEMS SOFTWARE FEATURES

- EMEMS Software has a built-in web server (HTML UI) that provides access to AlertWerks management without installing a separate AlertWerks client program. You just need an HTML5 compatible web browser running on any device to be able to manage your AlertWerks installation (more on this feature later).
- Supports new sensors such as ILPM and Temperature and Humidity Sensor String.
- AlertWerks code is written on a modern compiler, so it has better performance on modern OS's.
- AlertWerks now has a memory dump feature that will help troubleshoot and fix issues. Your support staff and engineers will
 primarily use this feature.

Further development and new features will be added to the HTML5 interface.

NOTE: Some existing features are missing from the HTML UI, but the feature coverage is over 98% compared to the Windows client.

- AlertWerks is fully Unicode aware; you can specify and use Unicode characters (for example, for path names and action names).
- The Backup & Restore feature should produce smaller backups when video recording is used (it doesn't include the Reserved folder in the backup).
- EMEMS Software includes a graph library.
- When you uninstall EMEMS Software, the default option is to keep your user data and settings (but you can choose to remove them).

Licensing features for AlertWerks:

- The product requires activation for using more than one sensor of each type, but the demo usage doesn't require online registration with email. AlertWerks will use an offline Default license.
- If you already have a paid Active license and online access, AlertWerks will automatically activate itself after installation. There is no need to run the Activation Wizard on first use.
- You can also activate using a license file that has been sent over email. There is no need to copy and paste a long activation key (but this method is still supported).

CHAPTER 2: INSTALLATION AND UPGRADE



Installation is designed to be simple and easy. To install, run the installer and follow the wizard.

2.1 SERVER INSTALLATION

If you have used AlertWerks installer before, the steps are identical, except for configuring the built-in web server's ports for the server installation.

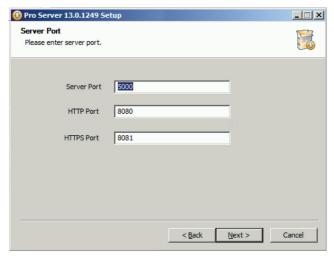


FIGURE 2-1. SERVER PORTS

The installer will ask you for ports for the Web UI (HTTP, HTTPS) and server port (which is used by the monitored devices to communicate with AlertWerks).

You may change them if the ports are in use by other applications, e.g. Oracle database server Web UI. The installer will check and notify you if the ports are in use.

Important note: You need to ensure that your firewall, security or antivirus software is not blocking the ports noted above, or that any other application running on the computer is not using these ports. For example, Skype, which can run on port 8080.

2.2 CLIENT INSTALLATION

The Windows client installation in AlertWerks won't ask you for the web server's port configuration as it's a server component.

However, normally you don't need to install AlertWerks client software if you have a web browser on the device - except for when using some of the Windows client-only features.

Here are some installation examples:

- 1. Install Server with Client you can manage AlertWerks locally with both the Windows client and the HTML5 UI.
- 2. Install Windows Client Only you can manage AlertWerks locally with both the Windows client and the HTML5 UI.
- 3. Access the Server from Web Browser from Another Device (Mobile or Desktop) you don't need to install anything on your device, just open the server's URL and log in to manage it.



CHAPTER 2: INSTALLATION AND UPGRADE



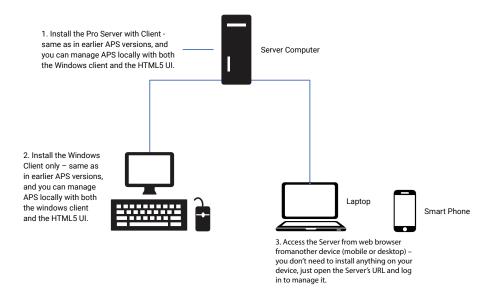


FIGURE 2-2. INSTALLATION



There is a built-in web server (HTML UI) in AlertWerks that provides access to AlertWerks management without installing a separate AlertWerks Windows client program.

You need an HTML5 compatible web browser running on any device (mobile or desktop) to be able to manage your AlertWerks installation. Just open the server's URL and log in (see on the next page).

Important note: the HTML UI is designed for Google Chrome and Firefox only (no Safari, Edge or MS IE browsers), and we only support these browsers. You'll get a warning pop-up message if you log in with an unsupported browser. Some features might not work correctly with an unsupported HTML5 compatible browser, such as MS Edge.

3.1 FEATURES

98% of AlertWerks features are also on the HMTL5 UI, and configuring them matches the Windows client (wx). Changing a setting or adding an action or sensor etc. will also appear in the Windows client and vice versa.

You can view the changes made in the Event Logs which list the user and the device's IP address that made the change.

There are some HTML UI-only settings that are only accessible from the HTML5 UI, such as Language (for HTML display language) and Services (where you can change web server ports).

3.2 WORKSPACES AND DESKTOPS

All your workspaces, desktops, user settings and configurations are stored on the AlertWerks server and changing your device or browser will have no effect on your configured settings. They will "follow you" anywhere using either the Windows client or HTML UI (provided that you log in as the same user).

Please note: a desktop or workspace configured in the Windows (wx) client is not compatible with the HTML5 interface and vice versa. You'll need to recreate your environment for the different clients.

3.3 LOG IN TO HTML5 UI

To log in using the HTML5 interface, point your browser to the server's IP address and port. The default ports (8080 and 8081).can be seen on the previous page.

For example, to access AlertWerks on 10.1.1.121 IP address: http://10.1.1.121:8080

NOTE: By default, the HTTP is disabled on the HTML5 login so it will be redirected to https://10.1.1.121:8081. This can be changed in the Server Settings >> Services page.

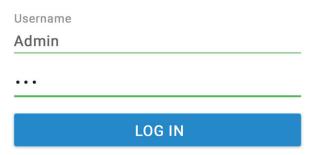


FIGURE 3-1. LOGIN SCREEN

NOTE: The default administrator username is Admin and you only have this username after first installation.

The password is what you've set in the installer for the Administrator (Admin) username.







FIGURE 3-2. SET ADMINISTRATOR PASSWORD

3.4 DEFAULT WORKSPACE WITH SENSORS AND GRAPHS

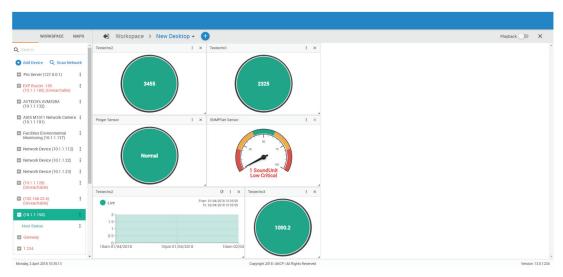


FIGURE 3-3. SENSORS AND GRAPHS

NOTE: By default, the workspace (New Desktop) is empty. You need to drag and drop sensors on it to display them.



3.5 WORKSPACES

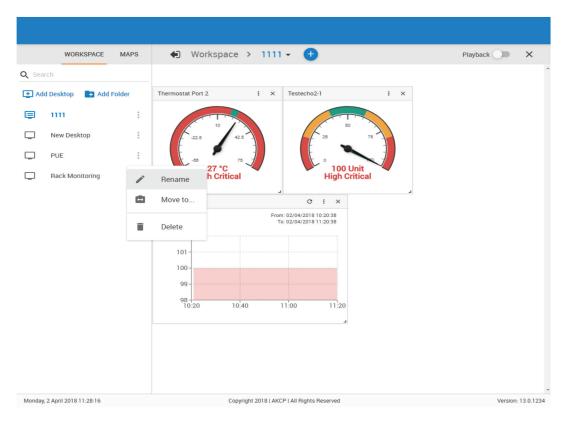


FIGURE 3-4. WORKSPACE



3.6 MAPS

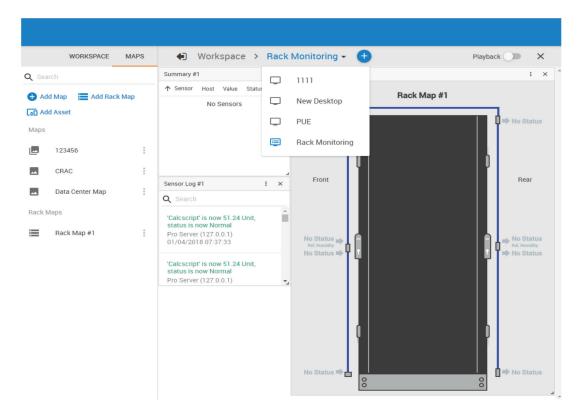


FIGURE 3-5. MAPS

You can manage sensor maps and rack maps from here.



3.7 VIDEO PLAYBACK

NOTE: Live video view from the cameras needs to be dragged to a desktop. Recording Policies must be configured to be able to use this feature.

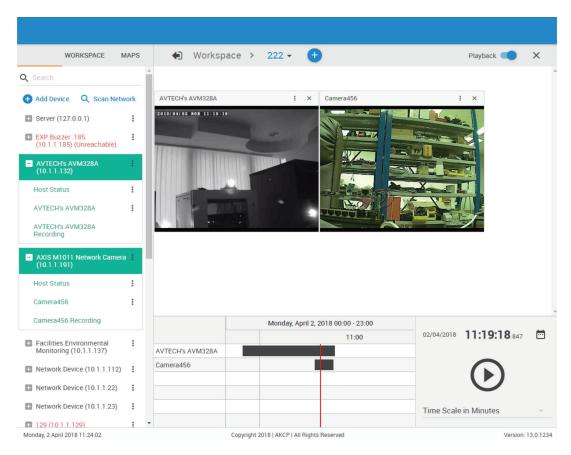


FIGURE 3-6. VIDEO PLAYBACK



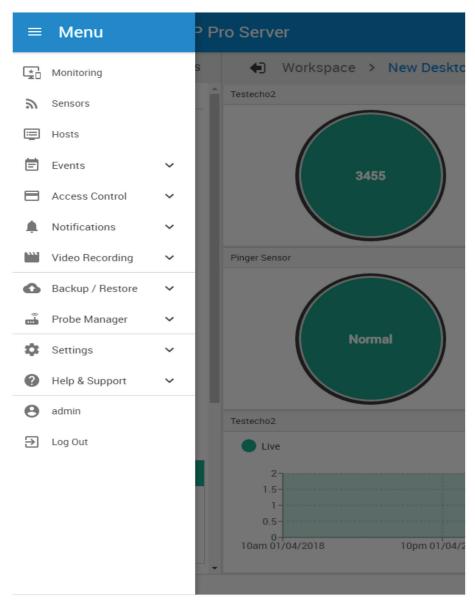


FIGURE 4-1. MENU OPTIONS



4.1 HOSTS MENU

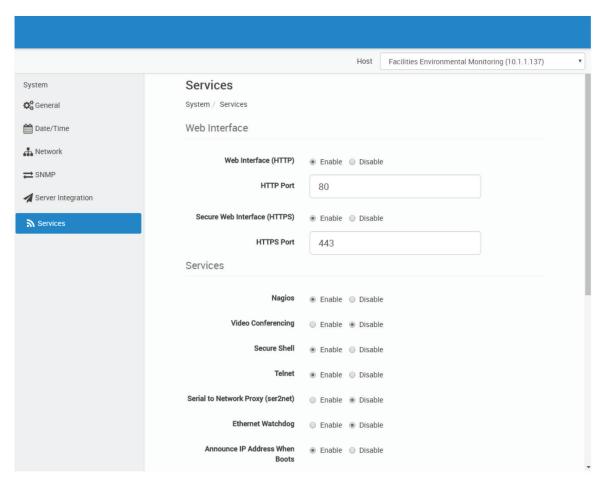


FIGURE 4-2. HOSTS MENU

The contents of this page will vary depending on the selected unit type that has been added to the AlertWerks console and is available for configuring.

If there are no available hosts, it will display the message "No hosts available."



4.2 SENSORS MENU

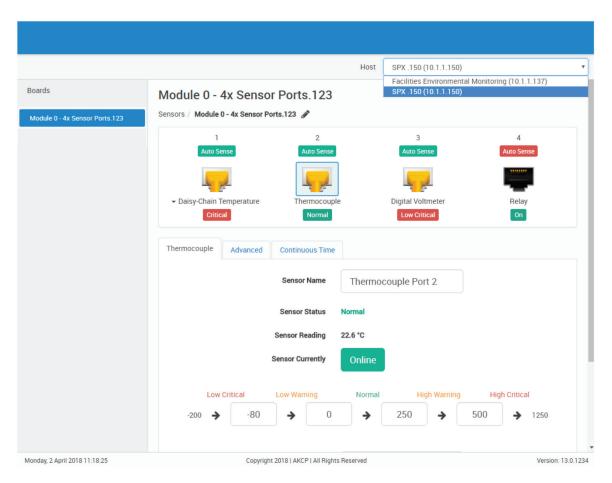
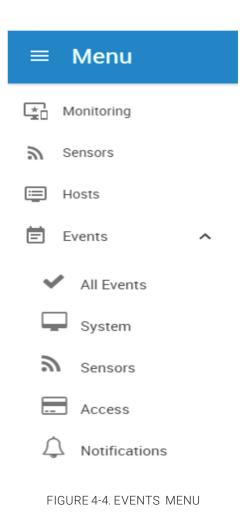


FIGURE 4-3. SENSORS MENU

The contents of this page will vary depending on the selected unit type that has been added to the AlertWerks console and has available sensors for configuring.



4.3 EVENTS MENU





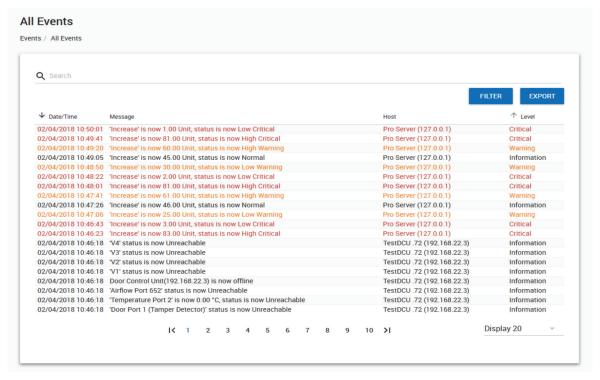


FIGURE 4-5. ALL EVENTS SCREEN



4.4 ACCESS CONTROL MENU

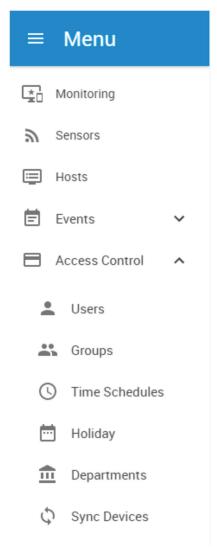


FIGURE 4-6. ACCESS CONTROL MENU



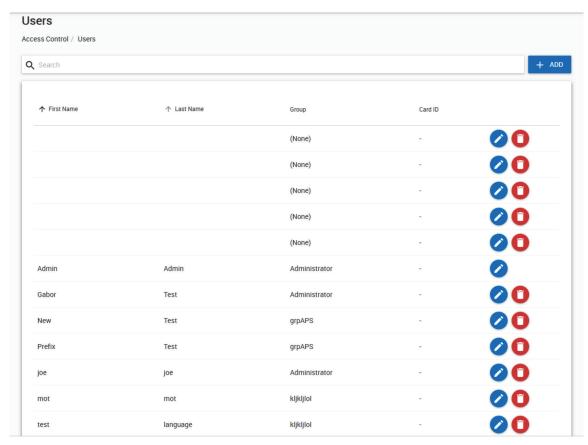


FIGURE 4-7. ACCESS CONTROL USERS



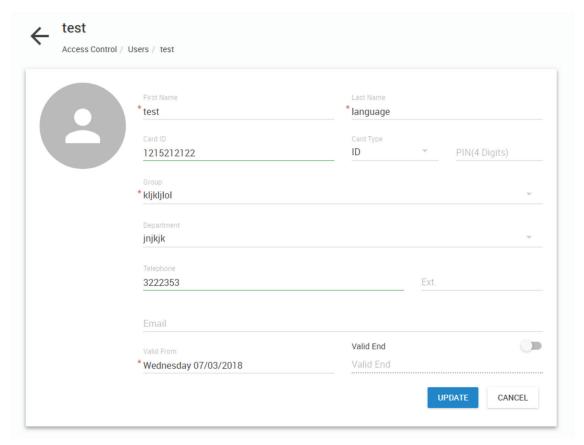


FIGURE 4-8. ACCESS CONTROL TEST



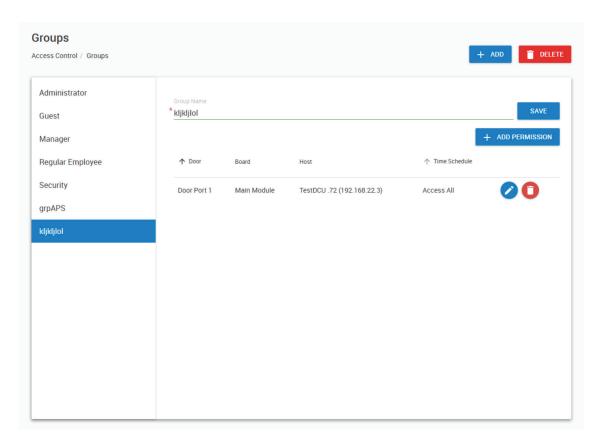


FIGURE 4-9. ACCESS CONTROL GROUPS



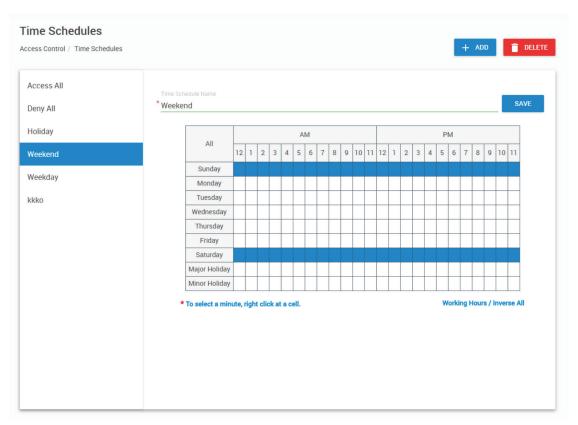


FIGURE 4-10. ACCESS CONTROL TIME SCHEDULES

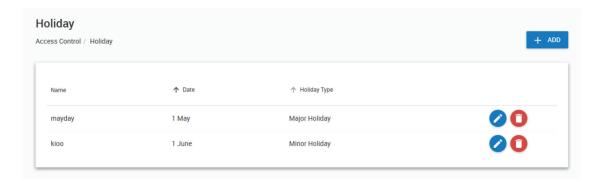


FIGURE 4-11. ACCESS CONTROL HOLIDAY



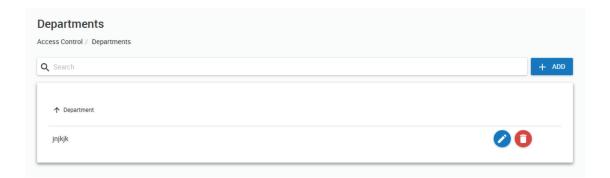


FIGURE 4-12. DEPARTMENTS

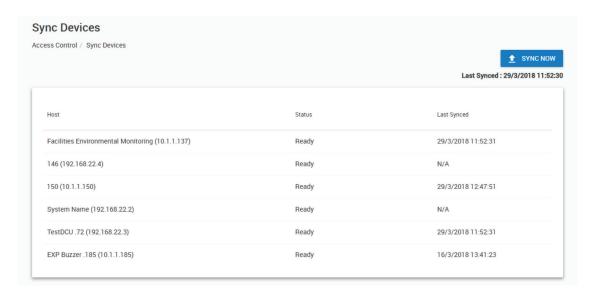


FIGURE 4-13. SYNC DEVICES



4.5 NOTIFICATIONS MENU

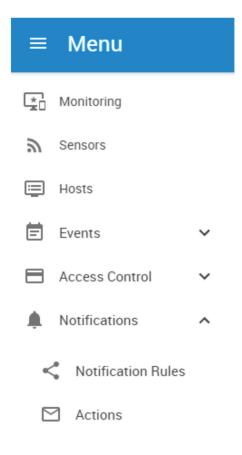


FIGURE 4-14. NOTIFICATIONS MENU



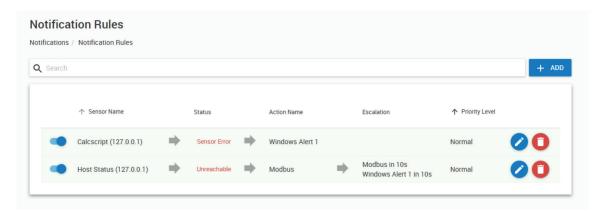


FIGURE 4-15. NOTIFICATION RULES

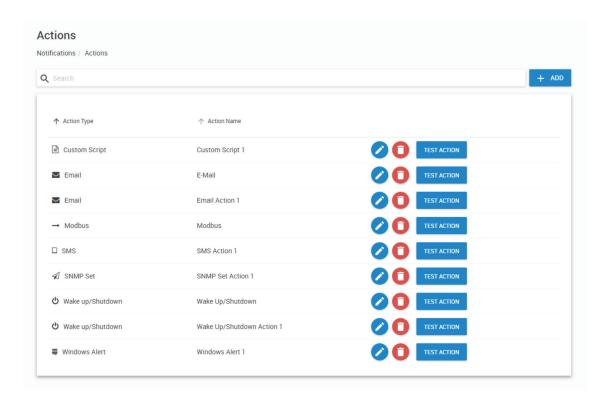


FIGURE 4-16. ACTIONS



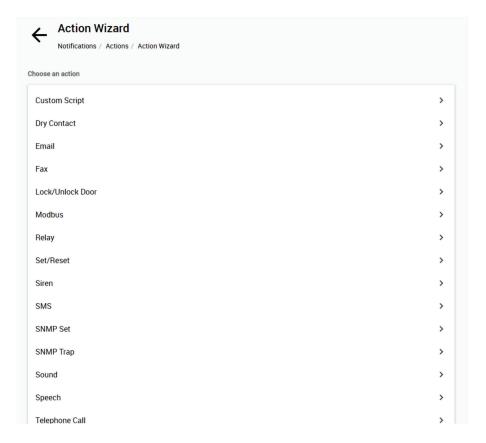


FIGURE 4-17. ACTION WIZARD SCREEN

Configuring new actions has the same options as with the Windows client (wx).

NOTE: Some actions are not supported on the HTML5 UI such as Skype notification.



4.6 VIDEO RECORDING MENU

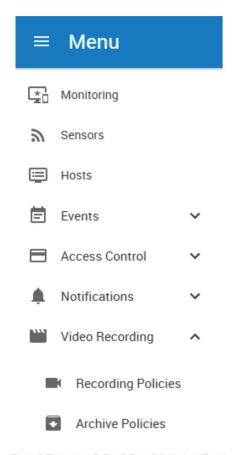


FIGURE 4-18. VIDEO RECORDING MENU





FIGURE 4-19. RECORDING POLICIES

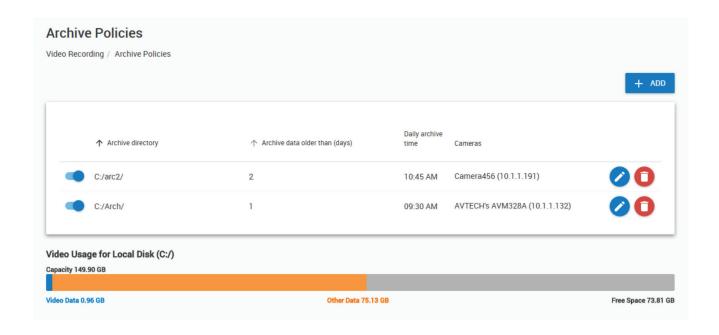


FIGURE 4-20. ARCHIVE POLICIES





4.7 BACKUP AND RESTORE MENU

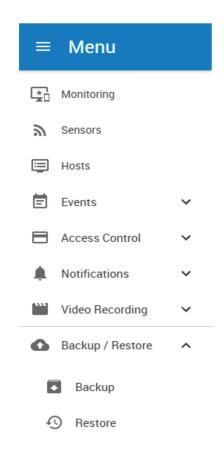


FIGURE 4-21. BACKUP AND RESTORE MENU



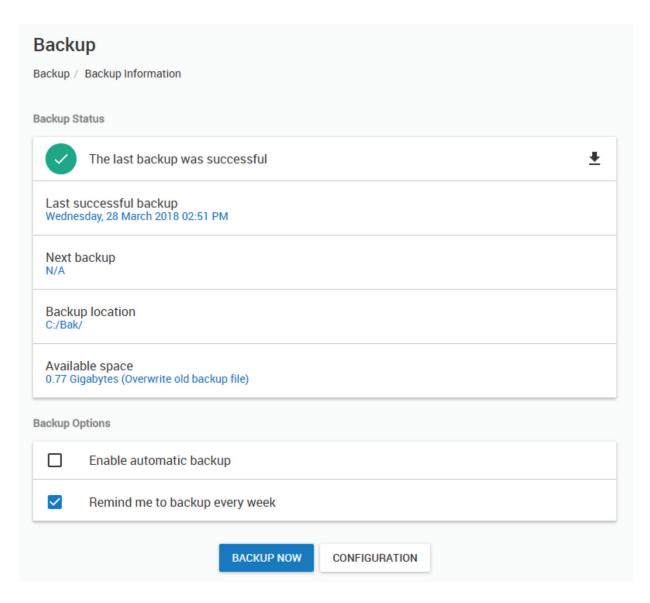


FIGURE 4-22. BACKUP



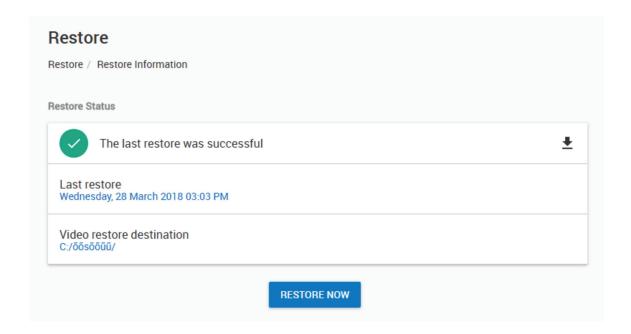


FIGURE 4-23. RESTORE

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4.8 PROBE MANAGER MENU

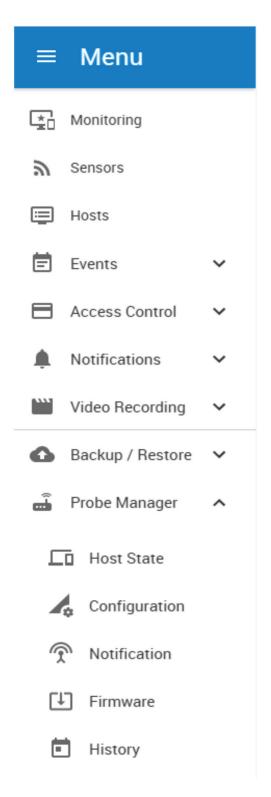


FIGURE 4-24. PROBE MANAGER MENU



↑ Host	↑ IP Address	State	Description	Firmware	
EXP Buzzer .185	10.1.1.185	Unreachable	1.0.4210 Mar 15 2018 01:03:59	1.0.4210	НТТР
ACCESO HUB AVALOS	10.1.1.171	Disabled	Door Control Unit SEC-MX25Vtt01 Mar 06 2018 11:43:53	SEC-MX25Vtt01	НТТР
b143.	10.1.1.143	Disabled	1.0.4199 Mar 7 2018 01:03:56	1.0.4199	НТТР
Facilities Environmental Monitoring	10.1.1.137	Ready	securityProbe 5E SEC-MX25Vtt01 Mar 06 2018 11:43:53	SEC-MX25Vtt01	НТТР
SP2 .129	10.1.1.129	Unreachable	sensorProbe2 v 2.0 SP2473 280416	SP2473	НТТР
146	192.168.22.4	Unreachable	11.0.4209 Mar 14 2018 17:05:04	1.0.4209	НТТР
SPX .150	10.1.1.150	Ready	1.0.4209 Mar 14 2018 17:05:04	1.0.4209	НТТР
Test - ILPM-LR-CTMS	10.1.1.115	Disabled	1.0.4196 Mar 5 2018 16:53:05	1.0.4196	НТТР
Sys Name	10.1.1.208	Disabled	sensorProbe8 v 2.0 SP8474 080917	SP8474	нттр

FIGURE 4-25. HOST STATE



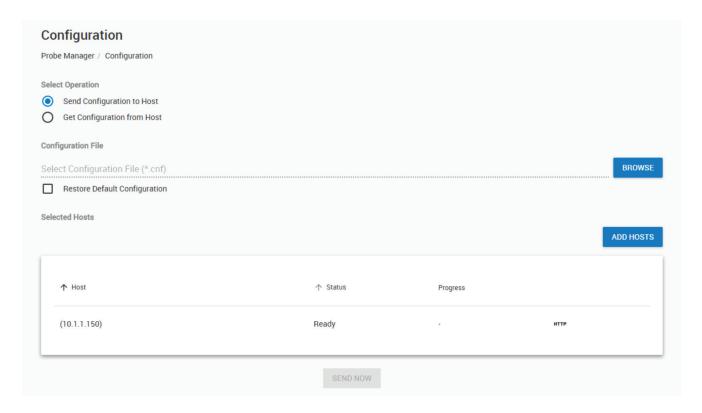


FIGURE 4-26. CONFIGURATION

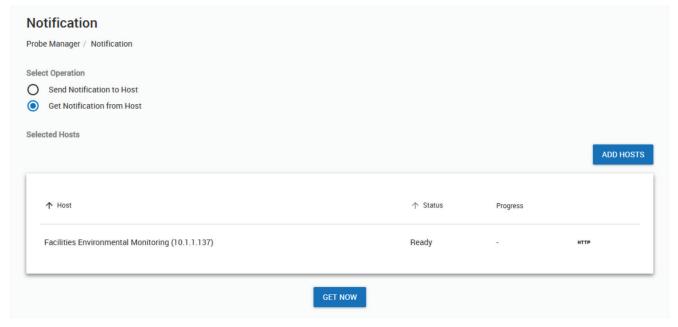


FIGURE 4-27. NOTIFICATION





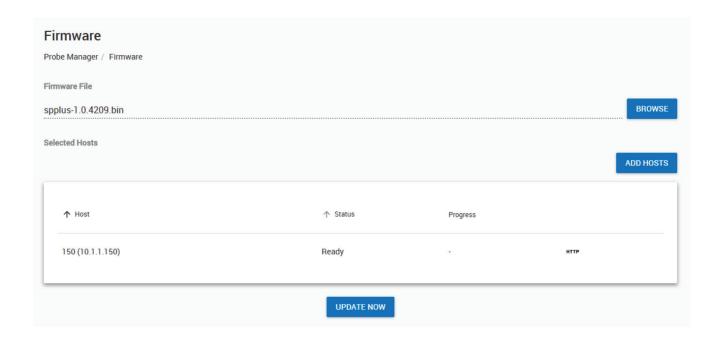


FIGURE 4-28. FIRMWARE



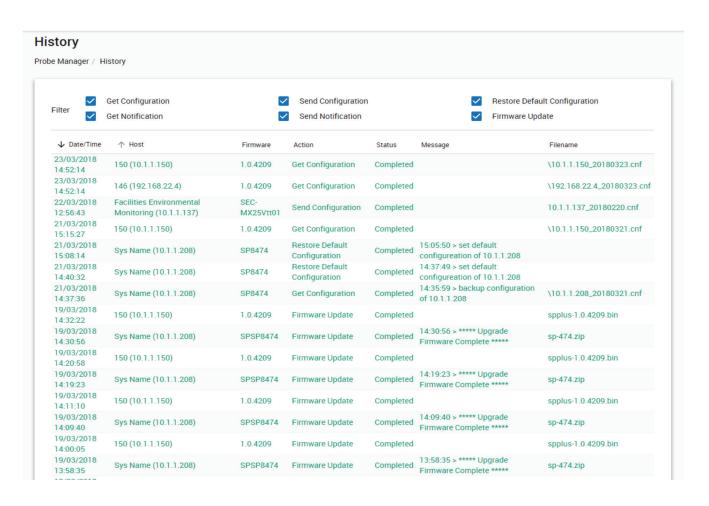


FIGURE 4-29. HISTORY



4.9 SETTINGS MENU

≡	Menu	
<u> </u>	Monitoring	
2	Sensors	
	Hosts	
	Events	~
	Access Control	~
•	Notifications	~
****	Video Recording	~
•	Backup / Restore	~
â	Probe Manager	~
*	Settings	^
+2	Account Settings	
E	Server Settings	
E	User Settings	

FIGURE 4-30. SETTINGS MENU



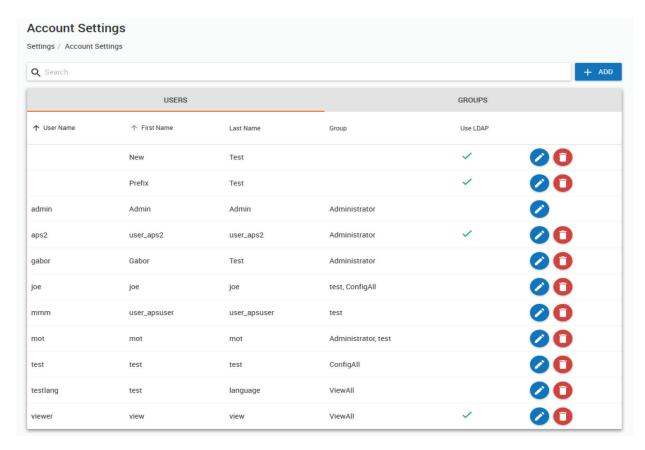


FIGURE 4-31. ACCOUNT SETTINGS, SCREEN #1

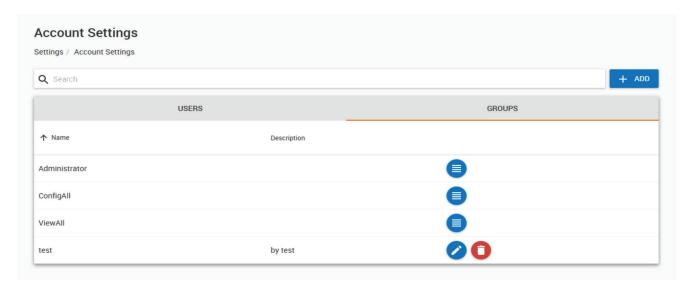


FIGURE 4-32. ACCOUNT SETTINGS, SCREEN #2





In Server settings, most of the options match with the Windows (wx) client, except:

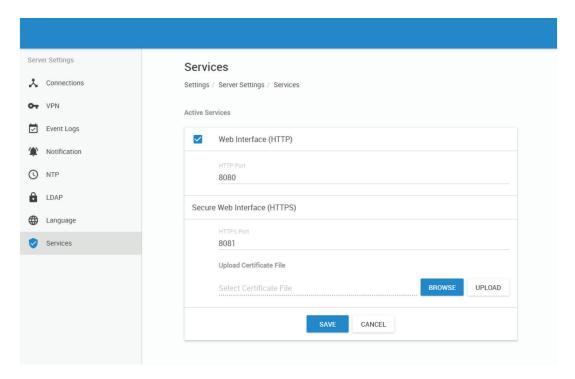


FIGURE 4-33. SERVICES

In Services, you can choose the web interface's ports, enable/disable HTTP and change the SSL certificate.



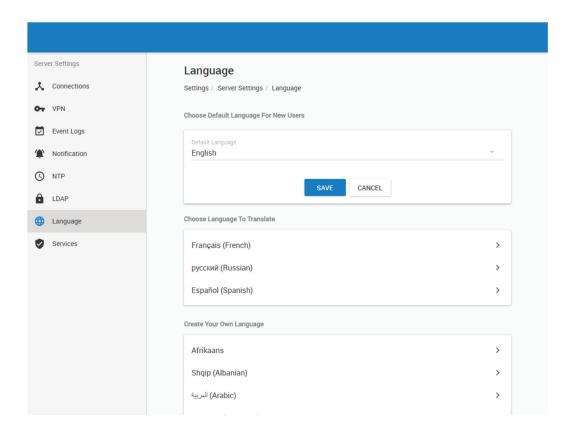


FIGURE 4-34. LANGUAGE

In Language, you can change the display language of the HTML UI, change translations or create new language files. You can also choose a default language for new user accounts.



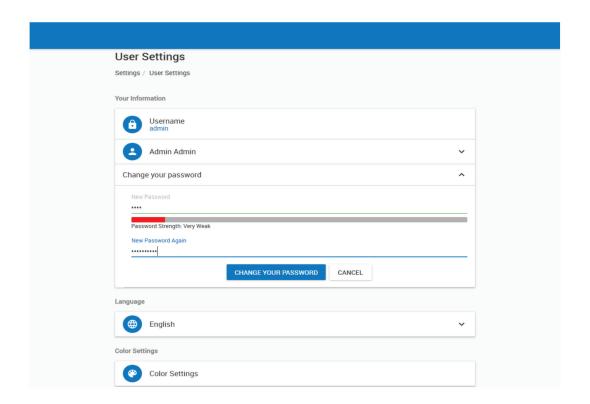


FIGURE 4-35. USER SETTINGS



4.10 HELP AND SUPPORT MENU

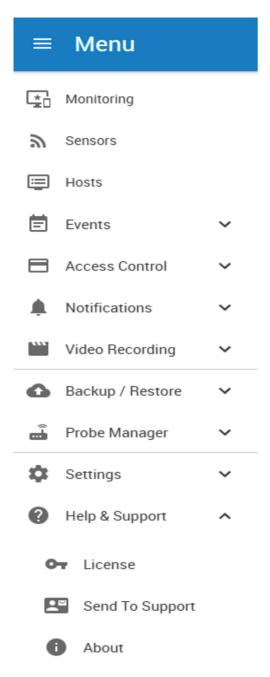


FIGURE 4-36. HELP AND SUPPORT MENU



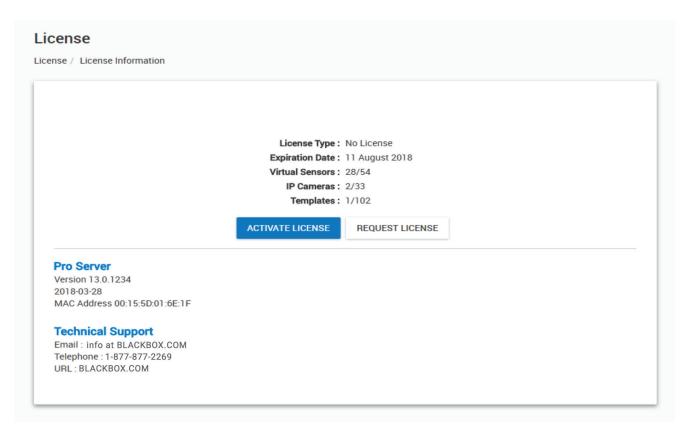


FIGURE 4-37. LICENSE



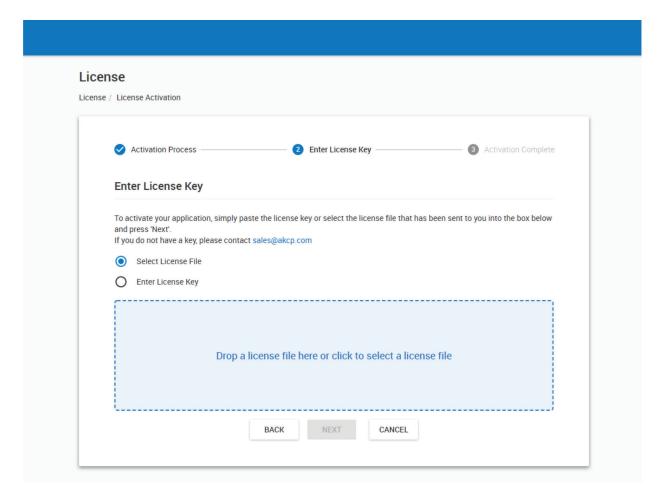


FIGURE 4-38. ENTER LICENSE KEY SCREEN

In EMEMS Software, the licensing also supports activation by license file, in addition to the existing copy and paste of the key.

IMPORTANT NOTE: If you use virtual machines, ensure that the VM has a fixed MAC address assigned to it. With a dynamic MAC, the AlertWerks license cannot be activated.



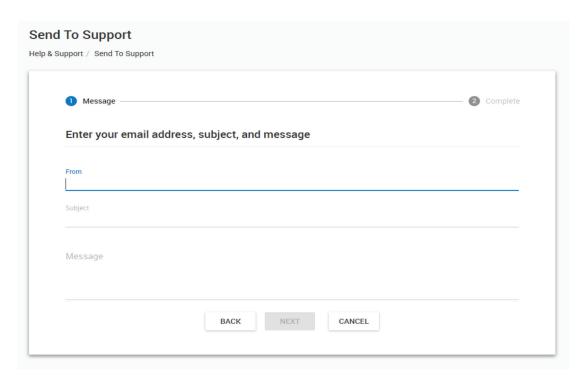


FIGURE 4-39. SEND TO SUPPORT SCREEN

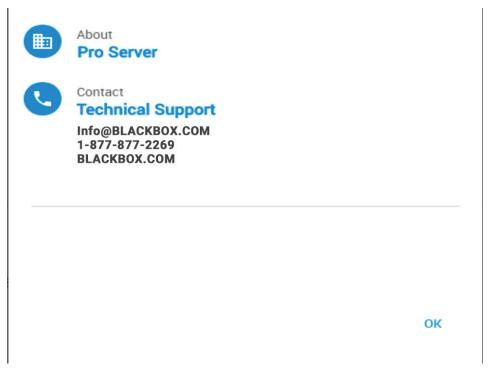


FIGURE 4-40. TECHNICAL SUPPORT INFORMATION

APPENDIX: DISCLAIMER/TRADEMARKS



A.1 DISCLAIMER

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