

DMS

User Guide

LiveAction, Inc. 960 San Antonio Road, Ste. 200 Palo Alto, CA 94303, USA +1 (888) 881-1116 https://www.liveaction.com

Copyright © 2022 LiveAction, Inc. All rights reserved

20220929-DMU_222a

Contents

Chapter 1	IntroductionIAbout the DMS1DMS portal1DMS on LiveWire1DMS communications2DMS registration2DMS automatic activation3
Chapter 2	Enabling DMS Support 4 DMS Support From the LiveAdmin Utility. 4
Chapter 3	Using DMS

CHAPTER 1

Introduction

About the DMS

The DMS (Device Management Service) is an SaaS based cloud service provided as part of the LiveWire maintenance subscription for managing, configuring, and monitoring certain aspects of LiveWire devices, both physical appliances and virtual. The DMS is the preferred way to manage and configure one or more LiveWire appliances from a single pane of glass in the cloud.

This guide describes how the DMS works in conjunction with your network and LiveWire device. Additionally, instructions for setting up and using DMS with your LiveWire device are also included.

DMS portal

The DMS portal is hosted in the cloud and is part of a larger service known as the *LiveAction Customer Portal* (*https://cloudkeys.liveaction.com/*). The DMS portal displays all of a customer's LiveWire devices, both physical and virtual, in an interactive list. From the DMS portal many aspects of the LiveWire devices can be configured individually, as well as in bulk.

DMS on LiveWire

The DMS service running on the LiveWire device is the liaison between the DMS portal and the LiveWire device. The DMS service is enabled by default, but can be enabled or disabled from the LiveAdmin Utility on the LiveWire device. See *DMS Support From the LiveAdmin Utility* on page 4.

DMS communications

The diagram below illustrates how communication flows between LiveWire and the DMS.



LiveWire and the DMS portal both communicate through a well-defined REST-API over HTTPS. If necessary, LiveWire can also be configured to use a proxy server using LiveAdmin.

All communications between LiveWire devices and the DMS portal are initiated by the device. In other words, from the LiveWire point of view communication is outbound only. This is more secure, and practical, since most enterprise networks allow connections to be done from the inside-out, but not from the outside-in. This means that all actions initiated by the user through the DMS portal are queued up until the device connects to the DMS and requests the configuration. The default interval for how often LiveWire checks the DMS for configuration changes is 10 minutes. The interval can be changed using the LiveAdmin utility.

DMS registration

When a LiveWire is purchased, it is entered into the DMS automatically, and associated with the customer account. If it is the first LiveWire the customer has purchased, the account is created, and an email invite will be sent with a link to login to the DMS portal account.

When a LiveWire device is first connected to the network and either gets an IP automatically through DHCP or is given a static IP address, it will reach out to the DMS portal and register itself. During the registration process, the DMS will attempt to activate the LiveWire, and the DMS will return any configuration changes that were made using the DMS portal.

When a user logs in to the DMS portal they will see all of their LiveWire devices. Even if the devices have not been connected to the network, configuration changes can still be made to the device. When the device does connect to the DMS portal, the configuration changes will be applied to the LiveWire.

DMS automatic activation

During the registration process, the DMS portal will automatically activate the LiveWire. The result of the activation is a license file that is installed onto the device. With the license installed, the user will not have to perform this process manually the first time they connect using Omnipeek. Instead, the user will be able to go right to work on creating a capture and using LiveWire.

If the LiveWire is factory reset, it will lose the activation file. In this case, when the LiveWire is given an IP address and registers with the DMS portal, it will be given the license file again, and become activated.

CHAPTER 2

Enabling DMS Support

DMS Support From the LiveAdmin Utility

The LiveAdmin utility on LiveWire lets you view and configure a variety of settings from the LiveAdmin views in the left-hand navigation pane of the utility. Before you can use the DMS for LiveWire, you must enable DMS support (enabled by default) in the *Omni* view of the LiveAdmin utility, as described below.

To enable DMS support in the LiveAdmin utility:

1. From a browser window on a computer connected to the same network as LiveWire, enter the IP address for LiveWire in the URL box as *<IP address>:8443* (e.g., 192.168.1.21:8443). The LiveAdmin Login screen appears.

LiveAdmin	
Password	
Login	

2. Enter the default password 'admin' and click Login.

Note If you are using Omnipeek Web, you can also access the LiveAdmin Login screen by clicking *System Configuration* from either the Omnipeek Login screen, or by clicking *Configure System* from within Omnipeek itself.





3. Go to the *Omni* view, select the *DMS* option, and then click the *Enable DMS* check box to enable DMS support. To learn more about each of the LiveAdmin views, see the *LiveWire User Guide*.

Liv	veAdmin		2021-09-28 09:31:43 GMT -11:00 💧 Administrator 👻
*	DASHBOARD	Omni	
*	AUTHENTICATION	DMS	Device Management Server Settings
*	MONITOR	Factory Reset	The Device Management Server (DMS) is the preferred way to manage and configure LiveAction devices from
٠	OMNI	Backup Restore	the cloud. In order to enable the DMS for this device, enable the checkbox below. When the DMS is enabled, configuration changes can still be made with the LiveAdmin page, but changes made with the DMS will overwrite local changes. For instructions on how to register and manage devices from the DMS, please visit
٩	SUPPORT		MyPeek.
0	TIME	(Apply
	UPDATE		

4. Click Apply.

5. Continue to Managing and Configuring LiveWire Devices on page 7.

CHAPTER 3

Using DMS

Managing and Configuring LiveWire Devices

If you have one or more LiveWire devices, you can use the DMS to manage and configure these devices from the cloud. In order to use the DMS server for the LiveAction appliance, you must first enable the *Enable DMS* option in the LiveAdmin utility as described in *DMS Support From the LiveAdmin Utility* on page 4.

- **Note** When DMS is enabled, you can make local changes to the LiveWire device using the LiveAdmin utility; however, changes made with the DMS will overwrite any local changes made with the utility.
- **Note** All DMS communications require that the LiveWire device has Internet access and is able to access various websites including *https://mypeek.liveaction.com* and *https://cloudkeys.liveaction.com* using TCP over port 443. If necessary, configure a DNS server to resolve the URLs above.

Additionally, all DMS communications are initiated by the LiveWire device, so it is not necessary to open a port in the firewall for communications.

To use DMS to manage and configure your LiveWire device:

Log into the LiveAction Customer Portal at https://cloudkeys.liveaction.com/.

Note A link to the LiveAction Customer Portal and a temporary password is emailed to the customer whenever a LiveAction appliance is purchased. Use the customer email and temporary password to log into the customer portal. You will be required to change the temporary password upon first login.

	İON ™ er Portal

2. Click the *LIVEWIRE/LIVECAPTURE* tab at the top of the customer portal to configure the devices. The LiveWire devices associated with your account are displayed in the list of devices.

DMS Devices tab

The DMS Devices tab displays the LiveWire devices associated with your account. A description of each of the available options and settings in the Devices tab is provided below:

			Device							plates			
Dev	rice State:	lp: 3 Dowr	n: 2 N/A:	3	Registered Dev	ices: Prese	nt: 7 None	e: 1	Acti	vation Status:	Present: 5	None: 3	
emp	late 👻 Cor	nfigure Up	grade Re	fresh					Q Search				
	DEVICE SERI 🗘	DEVICE NAME	HOST NAME	DEVICE STATE	IP ADDRESS 🗘	MODEL 🗘		ADDRESS \$	ASSET TAG 🗘	TIME ZONE	EXPIRATION 🗘	END OF LIFE 🗘	N
	Device S	Device N	Host Na	All ~	IP Addre	Model	Location	Address	Asset Tag	Time Zone	Expiratio	End Of Li	
	LA20201150	GiangOnEdg	GiangOnEdg	• Down	192.168.1.195	Edge	Halo		ch address c	America/Ne		2022-05-31	A
	SV20171250	livewire-747	livewire-747	• Up	10.0.0.44					America/Los	2100-01-01	2022-08-26	
	SV20170450	liveaction		 N/A 	10.8.1.203					Pacific/Midw	2100-01-01		
	SV20170100	test	test	N/A			location	address	Chris	America/Los	2100-01-01		lo
	SV20161050	Capture Engi	liveaction-85	• Up	10.0.0.57					America/Los	2100-01-01		
	SV20170100	otter		Down	10.8.1.50					America/Los	2100-01-01		
	SV20150800	livewire-429		• N/A						America/Los	2100-01-01		
	LR20141200	Capture Engi	liveaction	• Up	10.0.0.53		carlsbad			America/Los	2100-01-01	2022-08-12	

Device State

The Device State displays whether the device is able to connect to the DMS portal.

- *Up*: Displays the number of devices that were able to connect the DMS portal.
- *Down*: Displays the number of devices the DMS portal has not heard from in the last two intervals. The default interval is 10 minutes.
- *N/A*: Displays the number of devices that are not available to the DMS portal.

Registered Devices

The *Registered Devices* displays the number of devices that have registered with the DMS portal.

- **Present**. Displays the number of devices that have registered with the DMS portal.
- None: Displays the number of devices that have not registered with the DMS portal.

Activation Status

The Activation Status displays the number of devices that have been activated.

- Present: Displays the number of devices that have been activated with the DMS portal.
- *None*: Displays the number of devices that have not been activated with the DMS portal.

Template

Click the **Template** button to select a template to apply to the selected devices. Templates allow you to apply version-specific settings to one or more devices. To create a template or modify an existing template, see *DMS Templates tab* on page 18.

Dev	rice State:	Jp: 3 Down	n: 2 N/A:	3	Registered Dev	vices: Preser	nt: 7 None	: 1	Acti	vation Status:	Present: 5	None: 3	
Templ	late 👻 Co	nfigure Up	ograde Ref	fresh ····		Selected: 1			Q Search				
Q Sei	arch	NAME \$	HOST NAME	DEVICE STATE	IP ADDRESS 🗘	MODEL 🗘		ADDRESS 🗘	ASSET TAG 🗘	TIME ZONE	EXPIRATION 🗘	END OF LIFE 🗘	
ograd	le Device S	Device N	Host Na	All ~	IP Addre	Model	Location	Address	Asset Tag	Time Zone	Expiratio	End Of Li	
	LA20201150	GiangOnEdg	GiangOnEdg	Down	192.168.1.195	Edge	Halo		ch address c	America/Ne		2022-05-31	
	SV20171250	livewire-747	livewire-747	• Up	10.0.0.44					America/Los	2100-01-01	2022-08-26	
~	SV20170450	liveaction		 N/A 	10.8.1.203					Pacific/Midw	2100-01-01		
	SV20170100	test	test	• N/A			location	address	Chris	America/Los	2100-01-01		
	SV20161050	Capture Engi	liveaction-85	• Up	10.0.0.57					America/Los	2100-01-01		
	SV20170100	otter		Down	10.8.1.50					America/Los	2100-01-01		
	SV20150800	livewire-429		• N/A						America/Los	2100-01-01		
	LR20141200	Capture Engi	liveaction	• Up	10.0.0.53		carlsbad			America/Los	2100-01-01	2022-08-12	

Configure

Click the *Configure* button to configure the selected devices. If multiple devices are selected, certain configuration options will not be available and greyed out; for example, the *Device Name*. There are tabs available for configuring *Settings*, *Time Settings*, and *Authentication*.

Settings

CONFIGURE test					×
Settings	Time S	Settings	Authe	entication	
Device Name *		Host Name *			
Device Name		Host Name			
Location		Address			
Location		Address			
End of Life Date		Asset Tag			
End of Life Date	8	Asset Tag			
IP Assignment *					
Static	~				
Address *		Netmask *			
Address		Netmask			
*Note: If the default IP address is changed, yo appliance using the new address af Gateway *					
Gateway					
DNS					
Server Address				Ado	d Server
Cancel			F	Reset	Apply

• *Device Name*: Displays the unique name given to the device. Type a new name to change the name.

- Host Name: Displays the host name of the device used by DNS.
- *Location*: Displays the general location of the device. Type a new location to change the location. We suggest entering the physical location of the device for the organization. For example, 'Office.'
- Address: Displays the mailing address of the device. For example, 123 Main St., New York, NY.
- End of Life Date: Displays the date when the device should be replaced.
- Asset Tag: Displays the asset tag of the device. Type the asset tag to change it.
- Notes: Type any notes to add to the device you are configuring.
- *IP Assignment*: Displays the current IP assignment for the device. You can select either *DHCP* or *Static*. If the IP Assignment is *DHCP*, then the IP assignment is configured automatically via the DHCP server. If the IP Assignment is *Static*, then the options below are available:
- **Important!** LiveWire is pre-configured to obtain an IP address automatically from a DHCP server; however, we strongly recommend the use of a static IP address for LiveWire. If DHCP is selected as the *IP Assignment*, and if the address should change on a new DHCP lease, then you must look up the new IP address assigned to LiveWire.
 - **Note** If *DHCP* is selected, you have approximately two minutes to connect LiveWire to your network in order for the DHCP server to assign an IP address. If an IP address is not assigned to LiveWire by the DHCP server within two minutes of being connected to the network, LiveWire defaults to a static address of 192.168.1.21. Please make sure LiveWire is connected to your network within the two minute time period from the time you click **Apply**. If you reboot LiveWire, the two minute clock is also reset.
 - Address: Displays the IP address assigned to the device. Type a new address to change the IP address.
 - *Netmask*: Displays the netmask address assigned to the device. A netmask address, combined with the IP address, defines the network associated with device. Type a new address to change the netmask address.
 - *Gateway*: Displays the gateway address, also known as 'default gateway,' assigned to the device. When the device does not have an IP route for the destination, the IP packet is sent to this address as it does not know how to direct it locally. Only a single default gateway can be defined. Type a new address to change the gateway address.
 - *DNS*: Enter the address of any DNS (Domain Name Server) servers to add to the configuration. A Domain Name Server translates domain names (e.g., www.liveaction.com) into an IP address. To add a DNS server, enter the address of the server, and click **Add Server**. Multiple DNS name servers can be defined. You can also edit or delete any defined DNS servers.
 - Add Server. Click to add the DNS server to the configuration.
 - DNS Servers: Displays the DNS servers added to the configuration.
 - Edit DNS: Click to edit or update the DNS server in the configuration.
 - Delete DNS: Click to delete the DNS server from the configuration.
 - DHCP Timeout. Displays the amount of time (in seconds) the device will wait for a DHCP address.

Time Settings

Settings	Time Settings	Authentication		
Time Zone *				
America/New York (UTC-05:00)				~
NTP Server				
NTP Server		Add Se	erve	r
NTP Servers				
).ubuntu.pool.ntp.org				
.ubuntu.pool.ntp.org			/	
.ubuntu.pool.ntp.org				
3.ubuntu.pool.ntp.org				
ntp.ubuntu.com				

- *Time Zone*: Displays the time zone of the device. Select a different time zone to change the time zone.
- *NTP Server*. Enter the address of any NTP servers to add to the configuration, and then click **Add Server**.
- *NTP Servers*: Displays the list of NTP servers added to *Time Settings*. You can click the **Edit** icon to edit an NTP server in the list, or click the **Trash** icon to remove an NTP server from the list.

Authentication

CONFIGURE IN	veaction						:
Set	tings		Time Settings		/	Authentication	
	hentication only arty authentication				Q Search		
Name ♦	Туре 🗘	Host 🗘		Port 🗘	In Use 🗘	Action	
			No server found				
Cancel						Reset	Apply

- Enable OS authentication only. Select this option to use the local OS authentication.
- *Enable third-party authentication*: Select this option to use TACACS+ or RADIUS authentication. If this option is selected, click **Add** to configure the new authentication setting.
 - *Add*: Click to add a new authentication setting. You will need to configure the new authentication setting.

- Search: Enter the text string to search the list of authentication settings.
- Name: Displays the name of the authentication setting.
- Type: Displays the type of authentication, which can be either 'RADIUS' or 'TACACS+.'
- *Host*: Displays the host of the authentication setting.
- Port. Displays the port of the authentication setting.
- Secret: Displays the secret key of the authentication setting.
- In Use: Displays whether or not the authentication setting is in use.
- *Action*: Click the *Edit* icon to edit the authentication setting, or click the *Trash* icon to delete the authentication setting.
- Apply. Click to save the authentication setting.

Upgrade

Click the **Upgrade** button to upgrade the selected appliance remotely through the DMS. The version that the appliance is upgraded to is the latest shipping version of the appliance. There is no capability to upgrade to a previously released version.

UPGRADE SETTINGS	liveaction				×
🔵 Disable 🛛 🗿 Enable					
Date and Time		^		^	
03/07/2022		12]:[11	РМ
		\sim		\sim	
		0	Canc	el	Apply

- Disable: Select to disable the upgrade on the selected devices.
- *Enable*: Select to enable the upgrade on the selected devices. If you enable the upgrade, you are presented with settings to specify the date and time the upgrade should take place. Because all communications are initiated from the device once every ten minutes, the upgrade will happen as the result of the device communicating with the network, sometime on or after the selected time.
- Apply. Click to save the changes to the selected devices.

Refresh

Click the **Refresh** button to refresh the list of devices.

Elipsis (...)

Click the **Elipsis** (...) to view the following options:

- Power and Reset
- Change Password
- Share
- Create Template

Power and Reset

Select the Power and Reset option to perform the actions below on the device.

ACTIONS SV201704500001	×
Actions	
Note: Once LiveWire is powered off, you need to manually button to power it back.	/ press the
None Power Off Reboot Factory Reset Clear Activation Id	
Cancel	Apply

- *None*: Select to not perform an action on the selected appliances.
- *Power Off.* Select to power off the selected device. Once the device is powered off, you must manually press the power-on button on each of the devices to power them back on.
- *Reboot*: Select to reboot the selected appliances.
- Factory Reset. Select to reset the selected appliances to their factory default settings.
- Clear Activation ID: Select the check box to clear the activation ID.

Important! If you select *Factory Reset* on a LiveWire Edge (or by either pressing the reset button or from the command line), then you will also need to also select *Clear Activation ID* for that appliance in the DMS.

Change Password

Select the *Change Password* option to change the password of the selected devices.

CHANGE PASSWORD		×
Current Password		
Current Password		
New Password		
New Password		
Confirm Password		
Confirm Password		
	Reset	Submit

- *Current Password*: Enter the current password.
- New Password: Enter the new password. The new password must meet the following requirements:

Must have 5 different characters than the last password.

Must be at least 6 characters. Must contain at least 1 number Must contain at least 1 uppercase character. Must contain at least 1 lowercase character. Must contain at least 1 special character.

• Confirm Password: Enter the new password again.

Share

Select the *Share* option to share the selected devices with other users who manage and configure appliances. You will need to add a user by completing the *Manage Users* dialog.

MANAGE USERS SV201701001384		×
Add User		
First Name		
First Name		
Last Name		
Last Name		
Email		
Email		
	Reset	Add
Primary User		
Secondary User(s)		
No users found.		

- First Name: Type the first name of the user.
- *Last Name*: Type the last name of the user.
- *Email*: Type the email address of the user.
- *Reset*: Click to clear the *Add User* values.
- Add: Click to add the user to the list of secondary users.
- *Primary User*. Displays the primary user of the device when the device was registered with LiveAction. If multiple appliances are selected in the list of devices, the *Primary User* is not displayed.
- Secondary User(s): Displays any secondary users assigned to the device. If multiple appliances are selected in the list of devices, the Secondary User(s) are not displayed.

Create Template

Select the *Create Template* option to create a template based on the configuration of the selected device. Once created, the template can be selected when you click the **Template** button. See also *Template* on page 8 and *DMS Templates tab* on page 18.

Search

Use the *Search* field to locate a specific device in the list of devices. Simply enter a text string to display all appliances that match the text string.

≡	LiveActio		LIVENX	LIVEWIRE/LIVECAPT	URE SUPPOR	T CASES [DOWNLOADS					• 1	a -
			Devices	5					Tem	plates			
De	vice State: U	lp: 3 Dowr	n: 2 N/A:	3	Registered Dev	ices: Pres	ent: 7 Non	e: 1	Acti	vation Status:	Present: 5	None: 3	
Temp	plate 👻 Cor	nfigure Up	grade Ret	fresh					Q Search				
	DEVICE SERI 🗘	DEVICE NAME 🗘	HOST NAME	DEVICE STATE	IP ADDRESS 🗘	MODEL 🔇		ADDRESS 🗘	ASSET TAG 🗘	TIME ZONE 🗘	EXPIRATION 🗘	END OF LIFE 🗘	NOT
	Device S	Device N	Host Na	All ~	IP Addre	Model	Location	Address	Asset Tag	Time Zone	Expiratio	End Of Li	N
	LA20201150	GiangOnEdg	GiangOnEdg	Down	192.168.1.195	Edge	Halo		ch address c	America/Ne		2022-05-31	Add
	SV20171250	livewire-747	livewire-747	• Up	10.0.0.44					America/Los	2100-01-01	2022-08-26	
	SV20170450	liveaction		• N/A	10.8.1.203					Pacific/Midw	2100-01-01		
	SV20170100	test	test	N/A			location	address	Chris	America/Los	2100-01-01		lots

Display Columns

Click the **Display Columns** icon and then select the columns you want to display in the list of devices.

	● 1
Presen	t: 5 None: 3
	Device Serial
	Device Name
Exp 🔽	Host Name N
-	Device State Add
100	IP Address
.100	Model
100 🔽	Location lots
.100 🔽	Address
100 🔽	Asset Tag
100 🔽	Time Zone
100 🔽	Expiration Date
	End Of Life Date
	Notes
2	Version
2	Engine Type
2	Shared Users Count
~	Scheduled Action(s)
-	Configuration Status
	Registered
	Activation Status
	Save

Export to CSV

Click the **Export to CSV** icon (...) to display an option for exporting the list of devices to a .csv file.



Check Box

To select a device in the list of devices, select the check box of the desired devices. Selecting the check box at the top of the column allows you to select or clear the check boxes of all devices in the list of devices.

	LiveActio		
Dev	ice State:	lp: 3 Down	n: 2
Templ	ate 👻 Cor	nfigure Up	grade
	DEVICE SERI 🗘	DEVICE NAME	HOST
	Device S	Device N	Н
	LA20201150	GiangOnEdg	Gian
	SV20171250	livewire-747	livev
	SV20170450	liveaction	
	SV20170100	test	test
	SV20161050	Capture Engi	livea
	SV20170100	otter	
	SV20150800	livewire-429	
	LR20141200	Capture Engi	livea

Devices column headings

Descriptions of the columns displayed in the list of devices are provided below.

Tip Below each of the column headings is either a text box or list box that you can use to filter the devices displayed in the list of Devices. To filter using the text box, simply enter a text string to display the devices that match the text string. To filter using a list box, click the box and select an option to display the devices that match that option.

De	vice State:	Jp: 3 Dow	n: 2 N/A:	3	Registered Dev	ices: Preser	nt: 7 None	e: 1	Acti	vation Status:	Present: 5	None: 3	
Temp	olate 👻 Co	nfigure Up	ograde Re	fresh					Q Search				•
	DEVICE SERI 🗘	DEVICE NAME	HOST NAME 🗘	DEVICE STATE	♦ IP ADDRESS	MODEL \$		ADDRESS 🗘	ASSET TAG 🗘	TIME ZONE	EXPIRATION 🗘	END OF LIFE 🗘	h
	Device S	Device N	Host Na	All ~	IP Addre	Model	Location	Address	Asset Tag	Time Zone	Expiratio	End Of Li	
	LA20201150	GiangOnEdg	GiangOnEdg	• Down	192.168.1.195	Edge	Halo		ch address c	America/Ne		2022-05-31	1
	SV20171250	livewire-747	livewire-747	Down	10.0.0.44					America/Los	2100-01-01	2022-08-26	
	SV20170450	liveaction		• N/A	10.8.1.203					Pacific/Midw	2100-01-01		
	SV20170100	test	test	N/A			location	address	Chris	America/Los	2100-01-01		le
	SV20161050	Capture Engi	liveaction-85	Down	10.0.0.57					America/Los	2100-01-01		
	SV20170100	otter		Down	10.8.1.50					America/Los	2100-01-01		
	SV20150800	livewire-429		• N/A						America/Los	2100-01-01		
	LR20141200	Capture Engi	liveaction	Down	10.0.0.53		carlsbad			America/Los	2100-01-01	2022-08-12	

- Device Serial: Displays the serial number of the device.
- Device Name: Displays the name of the device.
- Host Name: Displays the host name of the device used by DNS.
- *Device State*: Displays whether the device is *Up* or *Down*. A device is up if it has contacted the DMS in the last 25 minutes.
- *IP Address*: Displays the IP address of the device. The *IP Address* value is a link which can be used to connect directly to Omnipeek running on the device. This makes it easy to use the DMS as a launch pad to access all of the devices being managed. It can also be used to discover the *IP Address* in the case where the device is set to DHCP, or for some other reason the *IP Address* is not known. The *IP Address* is provided by the device every time the device connects back to the portal, which by default is every 10 minutes. This way, if the *IP Address* of the device changes, the *IP Address* value displayed in the DMS portal will reflect that.
- Model: Displays the model of the device (Edge, 1100, 3100, or Virtual).
- *Location*: Displays the location of the device.
- *Address*: Displays the address of the device. Typically, this is the mailing address where the device is located.
- Asset Tag: Displays the asset tag of the device.
- *Time Zone*: Displays the time zone of the device.
- *Expiration Date*: Displays the date that the maintenance on the device will expire. Once the expiration date has passed, you can still access the DMS and use it to manage most of the device configuration; however, until the maintenance is renewed, the device cannot be upgraded to a newer version. As LiveAction releases new versions a few times a year with significant improvements, we recommend keeping the devices up to date with the latest releases of the software.
- End Of Life Date: Displays the date for when the device should be replaced.
- *Notes*: Displays any notes entered for the device.
- *Version*: Displays the version number of the software installed on the device.
- Engine Type: Displays the type of device, which can be LiveWire, LiveCapture, or LiveWire Virtual.
- Shared Users Count. Displays the number of secondary users that have access to the device.
- Scheduled Action(s): Displays any 'Actions' scheduled for the device.
- Configuration Status: Displays any status associated with configuration of the device.
- *Registered*: Displays a check mark if the device has been registered with LiveAction.

• Activation Status: Displays a check mark if the license on the device is valid and not expired.

DMS Templates tab

The DMS *Templates* tab displays the templates associated with your account. Templates allow you to configure settings independent of a particular device, and then apply the template, and thus the settings, to a device, or multiple devices in bulk at the same time. A description of each of the available options and settings in the *Templates* tab is provided below:

=	LiveAction [®]	LIVEUX	LIVENX	LIVEWIRE/LIVECAPTURE	S	UPPORT CASES	DOWNLOADS			≛ -
			Devices					Templates		
Add 1	Template Edit	Delete	Share							
	TEMPLATE NAME		VERSION	N	٥	TIMEZONE	\$	SHARED 🗘	OWNER	\$
	Template Name		Versi	ion		TimeZone		Shared	Owner	
	auth template		22.1			America/Anchora	ge (UTC-09:00)		cbloom@liveaction.com	
	test3		22.1			America/Los Ang	eles (UTC-08:00)	~	cbloom@liveaction.com	
	21.4 TZ		21.4			America/Los Ang	eles (UTC-08:00)		cbloom@liveaction.com	
	upgrade2		21.1			Pacific/Midway (l	JTC-11:00)		cbloom@liveaction.com	
	upgrade		21.2			Pacific/Midway (l	JTC-11:00)		cbloom@liveaction.com	
	bloom template		21.1			Pacific/Midway (l	JTC-11:00)		cbloom@liveaction.com	
	testtemplate		22.1			America/Los Ang	eles (UTC-08:00)	~	dvyas@liveaction.com	
All rows	/ 7									

Add Template

Click the **Add Template** button to display the *ADD TEMPLATE* dialog to add a new template to the configuration.

Settings

Settings	Authentication	Upgrade Settings
emplate Version		
Select Version		~
emplate Name		
Template Name		
imezone		
Select Timezone		~
ITP Server		
NTP Server		Add Server

- Template Version: Click to select the version of the template you are configuring.
- Template Name: Type a name for the template.
- *Timezone*: Click to select the timezone for the template.

- NTP Server. Enter the address of any NTP servers to add to the configuration, and then click Add Server.
- *NTP Servers*: Displays the list of NTP servers added to *Settings*. You can click the **Edit** icon to edit an NTP server in the list, or click the **Trash** icon to remove an NTP server from the list.

Authentication

ADD TEMPLAT	ΓE						×
S	settings		Authentication		Up	grade Settings	
	uthentication only party authentication						
Add					Q Search		
Name 🗘	Туре 🛇	Host 🗘		Port 🗘	In Use 🗘	Action	
			No server found				

- Enable OS authentication only. Select this option to use the local OS authentication.
- *Enable third-party authentication*: Select this option to use TACACS+ or RADIUS authentication. If this option is selected, click **Add** to configure the new authentication setting.
 - *Add*: Click to add a new authentication setting. You will need to configure the new authentication setting.
 - Search: Enter the text string to search the list of authentication settings.
 - Name: Displays the name of the authentication setting.
 - Type: Displays the type of authentication, which can be either 'RADIUS' or 'TACACS+.'
 - Host: Displays the host of the authentication setting.
 - *Port*: Displays the port of the authentication setting.
 - Secret. Displays the secret key of the authentication setting.
 - In Use: Displays whether or not the authentication setting is in use.
 - *Action*: Click the *Edit* icon to edit the authentication setting, or click the *Trash* icon to delete the authentication setting.
 - Save: Click to save the authentication setting.

Upgrade Settings

Settings Authentication Upgrade Setting Image: Contrast of the set of th	
Date and Time	gs
03/07/2022 02 : 01	
Please select vali	PM
	date and time
Cancel Reset	Save

• *Enable Upgrade*: Select to enable the upgrade on the selected templates. If you enable the upgrade, you are presented with settings to specify the date and time the upgrade should take place.

Edit

Click the **Edit** button to edit the selected template. See also the *Settings*, *Authentication*, *Upgrade Settings* sections in *Add Template* on page 18.

Delete

Click the **Delete** button to delete the selected template.

Share

Click the **Share** button to share the selected template with other users who manage and configure appliances. You will need to add a user by completing the *Manage Users* dialog.

MANAGE USERS upgrade		×
First name		
First Name		
Last name		
Last Name		
Email		
Email		
	Reset	Add
Primary User		
Secondary User(s)		

- First Name: Type the first name of the user.
- Last Name: Type the last name of the user.
- *Email*: Type the email address of the user.
- Reset: Click to clear the Manage User values.
- Add: Click to add the user to the list of secondary users.
- *Primary User*. Displays the primary user of the device when the device was registered with LiveAction. If multiple appliances are selected in the list of devices, the *Primary User* is not displayed.
- Secondary User(s): Displays any secondary users assigned to the device. If multiple appliances are selected in the list of devices, the Secondary User(s) are not displayed.

Template column headings

Descriptions of the columns displayed in the list of templates are provided below.

Tip Below each of the column headings is a text box you can use to filter the templates displayed in the list of templates. To filter using the text box, simply enter a text string to display the templates that match the text string.

			ENX LIVEWIRE/LIVE	CALLONE .	SUPPORT CASES	DOWNLOADS		• 1	å 1
		I	Devices				Templates		
Add T	emplate Edit Del	ete	hare						
	TEMPLATE NAME	٥	VERSION	\$	TIMEZONE	\$	SHARED \$	OWNER	0
	Template Name		Version		TimeZone		Shared	Owner	
	auth template		22.1		America/Anchorag	e (UTC-09:00)		cbloom@liveaction.com	
	test3		22.1		America/Los Ange	les (UTC-08:00)	~	cbloom@liveaction.com	
	21.4 TZ		21.4		America/Los Ange	les (UTC-08:00)		cbloom@liveaction.com	
	upgrade2		21.1		Pacific/Midway (U	FC-11:00)		cbloom@liveaction.com	
	upgrade		21.2		Pacific/Midway (U	FC-11:00)		cbloom@liveaction.com	
	bloom template		21.1		Pacific/Midway (U	FC-11:00)		cbloom@liveaction.com	
	testtemplate		22.1		America/Los Ange	les (UTC-08:00)	~	dvyas@liveaction.com	

- *Template Name*: Displays the name of the template. Click the name to display details about the template.
- *Version*: Displays the version number of the template.
- *Timezone*: Displays the time zone of the template.
- *Shared*: Displays the users that have been shared with the device. Shared users can fully configure a device from DMS.
- *Owner*. Displays the owner of the device. There can only be one owner of the device.