# **InControl 2**

## Cloud-based Device Management and Monitoring

User Guide

Version 1



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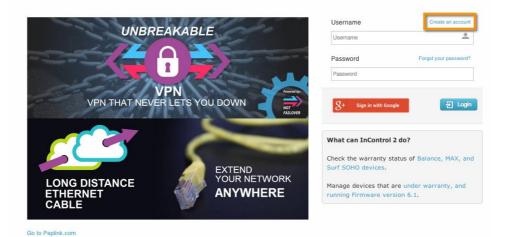
#### 1. Purpose

This manual is a guide to setting up and using InControl 2.

#### 2. Initial Setup

## If you have already set up an InControl 2 account or plan to login using your Google account, please skip to Step 6.

1. Navigate to the InControl 2 login page at <u>https://incontrol2.peplink.com</u>. Click the **Create an account** link.



- 2. Enter an email address that will serve as your login name.
- 3. Complete the remaining fields.Click **Submit** to continue.

E-mail	incontrol2_user@peplink.com
First Name	Peplink
Last Name	InControl 2
Password	
Confirm password	
Company	Peplink
Language	English
	Submit



4. You will receive a confirmation email. Click the activation link in the confirmation email.

Welcome To InControl v2.0
Hello!
You have been signed up for a InControl v2.0 account. You have administrator access to the organization. Please click the link below to activate your account.
Link to activate account
If you have difficulties with the above link, please copy and run the URL below in your browser.
https://incontrol2.peplink.com/login/user/confirm/fd96e56c21caa13710dff8ea66609507036735d0

5. Click the **Login** button to display the InControl 2 login page at <u>https://incontrol2.peplink.com</u>.

Congratulations! Your account has been activated.	
	E Login

6. Login with the user name and password created for your InControl 2 account. You can also login using a linked Google account.



- 7. When you login to InControl 2 for the first time, you'll be prompted to create an organization. To get started, enter company, language, country, and address information.
- 8. Check to see that your location has been correctly identified. If you want to specify a different address than the one shown, you can select it using the map or enter the coordinates directly.
- 9. Choose **miles** or **km** as your **Speed** unit.Click **Submit** to create your organization.

Company	Peplink	
Language	English	•
Country	United States	*
Address	United States	
Location	Ponca City Stillwater	Vinita
	37.03 -95.8	2
Speed unit	miles	-



10. After you create an organization, you'll need to create at least one group. On the **Create Group** page, displayed next, name your group. If needed, change address and time zone details. Click **Create Group** to finish.

Field Operation Teams
United States <b>*</b>
United States
H hita erby Winfield Indeportence Parsons Carthage Corteyville Ponca City Ponca City Tulsa Map Tulsa Map Tulsa Roge Roge Favette Map
37.03 -95.82
(UTC-6:00) Central Time Zone

11. On the **Add Devices into Groups** page, enter one or more serial numbers and click **Verify devices**.

Add Devices Into Groups	
InControl 2 can check the warranty status - Peplink Balance family - Pepwave MAX family - Pepwave Surf SOHO - Pepwave Surf SOHO - Pepwave Access Points For InControl 2 to manage a device, it nee - Device needs to be in warranty - Device needs to be in the Balance or MA - Device needs to run Firmware version 6.	eds to meet the following criteria: X family
Serial numbers: (Comma, space or carriage return separated)	1824-C2A3-BFD7



12. To add more groups and devices or modify your InControl 2 configuration, see the next section, **Organization, Group, and Device Configuration and Management**.

#### 3. Organization, Group, and Device Configuration and Management

This section covers configuring InControl 2, as well as managing groups and devices. Note that some operations are possible only at the **Organization Level**, while others require that you work at the **Group Level**.

To switch between these levels, select the appropriate icon on the navigation bar and verify that **Organization Level** or **Group Level** is displayed in the breadcrumb navigation.

				A Thu 11:14:48 GMT-04   Incontrol2_user@peplink.com   Sign out	
InCon	trol	Group Level Peplink	Field Operation Te	a <u>ms</u> > Dashboard >	
Dashboard	Reports	Pep VPN / Speed Fusion 🤶	Wi-Fi AP 🙎 Clies	nts 후 Settings	Field Operation Teams

#### Changing Login Details Organization Level Group Level

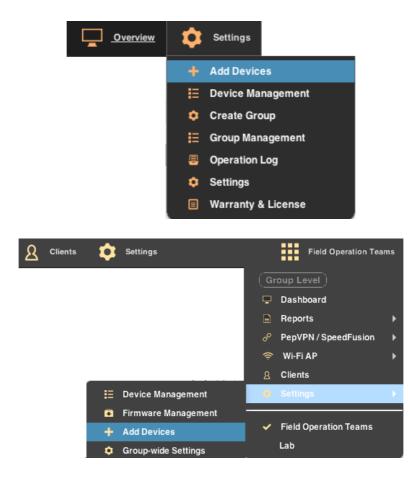
- 1. To change login details, sign into InControl 2 and then click the user name link displayed in the upper right corner.
- 2. On this page, you can change your login email address, account name, address, and password. You can also review recent logins to ensure that the account has been accessed properly.

	<u>an out</u>
InControl <sup>2</sup>	
🖵 Overview 💠 Settings 👬 Pepli	nk
Your recent logins	
IP Address   Location  Date/Time	
8.8.8.6 United States May 13 11:39	
8.8.8 United States May 13 11:29	
Showing 1 to 2 of 2 entries First Previous 1 Next Last	
Your email address	
When you change your email address, an email will be sent to your new address for verification.	
E-mail incontrol2_user@peplink.com	×
Change email	Feedback
	Ē
Your account	ଷ
First Name Admin	
Last Name User	
Language English ¢	
Languago	
Update	
Change password	
Current password	
New password	



Adding Devices Organization Level Group Level

1. To begin adding new devices, click **Settings > Add Devices**or *Group*> **Settings > Add Devices**.





- 2. Choose a group from the **Select Group** drop-down menu and enter one or more serial numbers.
- 3. Click Verify devices.

Add Devices Into Groups

InControl 2 can check the warra - Peplink Balance family - Pepwave MAX family - Pepwave Surf SOHO - Pepwave Access Points	anty status of the following devices:
For InControl 2 to manage a de - Device needs to be in warrant - Device needs to be in the Bala - Device needs to run Firmware	ance or MAX family
Select Group	Taxi and Bus Fleet
(Comma, space or carriage return separated)	
	Verify devices Cancel

4. InControl 2 will check to make sure specified devices are valid for use with the software and display the results. If devices are valid, they will be added to the specified group.

#### Managing Devices Organization Level Group Level

 To display device management data for individual devices, clicktheir names on the DashboardDevice List and on most reports. You can also click Settings > Device Management at the Organization Level and Group Level to display a list of devices.

Search de	vices	-						
≤tatus	Name	Tags 🍦	Wi-Fi Config ≑	Product Name	Online 🔶	Usage	Clients 🍦	Firmware
•	Т03	Adeel	Device managed	Pepwave MAX HD2	now	1.0 kbps	1	6.1.0 build 2502
•	T26	Geoff	Device managed	Pepwave MAX HD2	now	0 bps	2	6.1.0 build 2502
•	T07	Justin	Device managed	Pepwave MAX HD2	now	25.0 kbps	2	6.1.0 build 2502
	T20	Kelynn	Device managed	Pepwave MAX HD2	now	30.0 kbps	2	6.1.0 build 2502
•	T10	Justin	Device managed	Pepwave MAX HD2	now	3.0 kbps	2	6.1.0 build 2502

2. Clicking a device name displays its detail page, which provides in-depth device information, as well as access to <u>Wi-Fi settings</u> and the <u>Event Log report</u>. You can also download configuration backups to use in device restoration and additional device configuration.

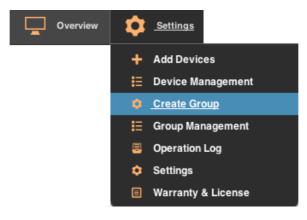


3. For GPS-enabled devices, you can track location in real time or display historical route information. You can also color-code routes by speed or coverage, specify a custom tracking timeframe, get real-time traffic information, and more.

Device Management > 🔵	T07					< Previous
nformation I Edit		Status				
Device Name	T07		LAN IP	192.168.101.1/24		
Serial Number	5555-5555-5555		WAN		Priority 1	
LAN MAC Address Model	55:AA:55:BB:55:CC Pepwave MAX HD2 LTE			Ethernet	WAN 1 Disabled	Details
Product Code Tag	MAX-HD2-LTE-VA Justin			Ethernet	WAN 2 Disabled	Details
Uptime First Appeared	16 days 22 hours 48 minutes 4 months ago (Jan 23, 2014 16:25)			Cellular	Cellular 1 - VZW	Details
Band Supported SSIDs History	2.4 GHz (802.11n/g) 3 Event Log				Verizon Wireless	
Firmware Configuration Backups	6.1.0 build 2502 Download			Cellular	Cellular 2 -	Details
Expiry Date	2015-12-17 (In warranty)				AT&T 3G 10.198.247.226	i to
				USB	USB - Sprint Connected Sprint	Details I to
A the contract we	BLUFF Vivania Are Gillie St. CBRING States Art	Plumwood Str N Chandler P	Ave	Altroitett Sean Adeat Noble Ave	nst IS g	Map • Inge Cir. N rgs Calle V rgs Cir. N

#### Creating Groups Organization Level

1. To begin adding groups, click **Settings** >**Create Group**.



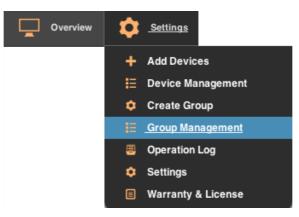


2. On the **Create Group** page, name your group and, if needed, change address and time zone details. Click **Create Group** to finish.

Group name:	Field Operation Teams
Address	
Country	United States 🔹
Address	United States
Location	+ H H H H H H H H H H H H H
Time Zone	
Time Zone	(UTC-6:00) Central Time Zone

Managing Groups Organization Level

1. Click Settings > Group Management.



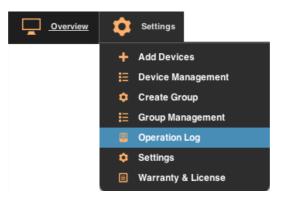


2. On the **Groups** page, you can delete, rename, and create new groups. For more detail on a group, click its name in the list. To save your work, click **Save Changes**.

Creat	te			
	Name	Group Type	No. of Devices	
	Field Operation Teams	Peplink	30	
	Lab	Peplink	5	

#### Viewing the Operation Log Organization Level

1. To display the operation log, click **Settings > Operation Log**.



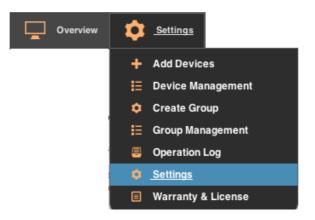
2. Here, you can view all past operations or search for operations meeting particular criteria. To sort the view, click the arrows next to the chart headings.

Time (UTC) 🐰	Admin 🔶	Group 🔶	Device 0	Page 🔶	Label	Old Value	New Value
Apr 24 17:17:53	Mobile	Field Operation Teams	T17	Device Management	Device Tag		Removed: Dustin
Apr 24 17:17:53	Mobile	Field Operation Teams	T17	Device Management	Device Tag		Added: nathan
Apr 24 17:17:53	Mobile	Field Operation Teams	T17	Device Management	Device Location		
Apr 24 17:15:11	Mobile	Field Operation Teams	T41	Device Management	Device Tag		Removed: Justin
Apr 24 17:15:11	Mobile	Field Operation Teams	T41	Device Management	Device Tag		Added: Geoff



### Changing Organization Settings Organization Level

1. To begin changing organization settings, click **Settings > Settings**.



2. Here, you can change organizational security options, logos, addresses, and more. To save your work, click **Save Changes**.

Name	Peplink					
Administration						
Organization Admins	First Name	Last Name	User	Account	Туре	Action
These users have administrator access to all groups (including this one) in your organization.	Peplink First name	InControl 2 Last name	Email address	Active	Full \$	+
Security						
Idle timeout	Logout users after 240	minutes of inactivity				
Authenticated with Google ID	Only allow users authentic	cated with Google ID				
Block Peplink Support	Prevent Peplink support fr	rom viewing this organization				
Logo						
Logo	Drop image here to up (or Click)	current logo	InContro	2 Delete cu	urrent logo	

Organization Admins	Add administrative users with <b>Full</b> or <b>Read-only</b> access
Idle timeout	Set the time after which inactive users will be logged out of InControl 2
Authenticated with Google ID	To require users to login using a Google ID, check this box
Block Peplink Support	To prevent Peplink support from viewing the organization during support calls, check this box
Logo/Favicon	Drag-and-drop or upload images to customize InControl 2 with your own branding
Address	Enter your address, select it from the map, or enter coordinates
Speed unit	Select <b>km</b> or <b>miles</b>



# Changing Group-Wide Settings

1. To begin changing group settings, first click the **Groups** icon in the navigation bar and select the appropriate group.



2. Click **Settings > Group-wide Settings**.

ŝ	Wi-Fi AP	8	Clients	\$	Settings	_		Field Operation Tea	ms
							Gr	oup Level	
							Ļ	Dashboard	
								Reports	►
							P	PepVPN / SpeedFusion	•
							((r	Wi-Fi AP	•
							8	Clients	
		i=	Device M	anagem	ient				•
		•	Firmware	Manage	ement	⊢			
		+	Add Devi	ces			~	Field Operation Teams	
		٢	Group-wie	de Settir	ngs			Lab	

3. Here, you can change and add group administrators, enable email notifications, silence device reporting for a specified period, and more. To store your updates, click **Save Changes**.

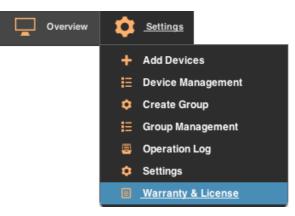
Name	Field Operatio	n Teams						
Administration								
Organization Admins	First Name	Last Name	User	Account status	Туре			
These users have administrator access to all groups (including this one) in your organization.	Peplink	InControl 2	0361	Active	Full			
Group Admins	First Name		Last Name	User		Account status	Туре	Action
These users have administrator access to this group specifically:	First name		Last name	Email address		-	Full \$	+
Email Notifications								
Enable								
Time Zone								
Time Zone	(UTC-6:00) C	entral Time Zor	9					
	Devices for	Devices follow this time zone setting						
Silence Period								
Enable	I.							
Period		06:00						
	For 💿 All Dev	ices 🔘 Dev	ices with the following tags					



Name	Enter a name for the group
Organization Admins	Lists organization admins and their access
	levels (for information on changing
	organization admins, see Changing
	<b>Organization Settings</b> )
Group Admins	Add group administrators with <b>Full</b> or
	Read-only access
Email Notifications	Enable/disable email notifications of system
	activity
Time Zone	Select a time zone and specify whether
	devices will use this setting
Silence Period	Set a recurring period during which devices
	will not update the system; you can choose
	to apply this setting to all devices or devices
	with specified tags applied
Address	Enter your address, select it from the map,
	or enter coordinates

#### Managing Warranty and License Information Organization Level

1. To view and manage device warranty and license information, click **Settings** > **Warranty & License**.



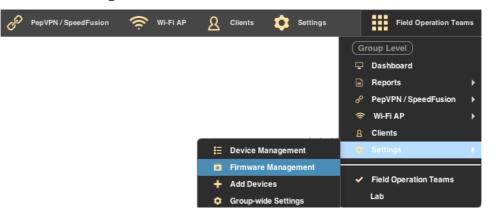
2. Here, you can filter the list to show warranties that are close to expiring, as well as those that have already expired. You can also import FusionHub license keys, create an evaluation license, and download the latest FusionHub firmware.

Iters:												
ALL		\$										Delete
Pro	luct	-	Name	\$	Warranty Ex	piration Date		A	Dat	e of Sale		
No matching rec	ords found											
									First	Previous	Next	Last
								[	First	Previous	Next	Last
FusionHub	Serial		Max.	Max. Ba	andwidth	License	Activation	Evaluation Expiry		Previous rranty Expire		
FusionHub License Key	♦ Serial Number	*	Max. Peers <sup>≜</sup>	Max. Ba (Mbps)	andwidth $_{\diamondsuit}$	License Type	Activation Activation			rranty Expiry	/_ La	
	Number	*			ındwidth 🖕	A	A	Evaluation Expiry	Wa	rranty Expiry	/_ La	st
License Key	Number	*			andwidth 🍦	Туре	A	Evaluation Expiry	Wa	rranty Expiry	/_ La	st



#### Managing Device Firmware

1. To view and manage firmware updates for your devices, click **Settings** > **Firmware Management**.



2. On this page, you can view firmware versions, as well as set group policy for firmware update frequency. To save your work, click **Save Changes**.

Product name	Affected device(s)	Firmware version	Release note
Pepwave MAX HD2	T27 T19 T26 T01 T02  ( Show )	F/W management disabled	\$
Show beta firmware	dule		
innware opuate Sche	uule		
Update time	Immediately Oscheduled		
		Save Changes Or Cancel	

#### Configuring Wi-Fi Group Level

1. Click **Wi-Fi AP > SSID Settings**.





2. On the next page, you can enable/disable available Wi-Fi configurations. To change SSID settings, click the **Edit** link. If these options don't appear, be sure that **Wi-Fi Management** is checked.

Configuration Overv	view	
Wi-Fi Managen	nent 🕑	
	MiniBus Free Wi-Fi 🖻	Taxi Free WiFi 🖻
Enabled	Enable 💠	Enable 🜲
SSID Settings	Edit	Edit
Security	Open - No Encryption	Open - No Encryption
Broadcast SSID	Show this SSID	Show this SSID
MAC Filter	None	None
Layer 2 Isolation	No	Yes
SSID Discovery		
SSID Visibility	Show this SSID	Show this SSID
Multicast		
Multicast Filter	No	No
Multicast Rate	MCS8/MCS0/6M	MCS8/MCS0/6M
SSID Availability		
Device Selection	Enable	Enable
Device Tags	MiniBus	Taxi
_		



3. The SSID page displays a variety of Wi-Fi configuration settings.

SSID	Taxi Free WiFi	
Security Settings		
		_
Security Policy	WPA/WPA2 - Personal	\$
Encryption	TKIP/AES:CCMP	
Shared Key		Show Password
Layer 2 Isolation	C Enable	
SSID Discovery		
SSID Visibility	Show this SSID	\$
MAC Filter		
Restriction Mode	Deny all except listed	¢
MAC Address List		
Multicast Settings		
Multicast Filter	Enable	\$
Multicast Rate	MCS8/MCS0/6M	\$
SSID Availability		
Device Selection		
Device Selection	This SSID is enabled on some de	evice 🗘
	Only enable on devices with any of	following tags:
	× Taxi	



SSID	Enter a name for the Wi-Fi network
Security Settings	Choose from <b>Open – No Encryption</b> ,
	WPA/WPA2 – Personal, WPA/WPA2 Enterprise, and Static WEP
Layer 2 Isolation	Enable/disable Layer 2 port isolation, which can prevent unauthorized port-to-port communication
SSID Visibility	Available values are <b>Show this SSID</b> and <b>Hide this SSID</b> (note that hiding the SSID does not prevent access to users who know the SSID)
<b>Restriction Mode/MAC Address List</b>	Deny or accept all MAC addresses, except those listed in <b>MAC Address List</b>
Multicast Filter/Multicast Rate	Enable or disable multicast filtering and change the balance of multicast speed/range
Device Selection	Enable the SSID on all devices or on devices with the specified tags

#### Configuring PepVPN / SpeedFusion Endpoints Group Level

 If allowed by your deployment, you can configure PepVPN / SpeedFusion endpoints right from InControl 2. To access this feature, click **PepVPN / SpeedFusion > Configuration**.





2. Next, check **Enable** to display configuration settings.

End Point Configuration 🦻	
Enable	3
Encryption	256-bit AES      Off
Remote SpeedFusion Hub	Group: Taxi and Bus Fleet \$
	Device: No device can act as a SpeedFusion Hub
	Iigh Availabillity Setup
	Group: Taxi and Bus Fleet
	Device: No device can act as a SpeedFusion Hub
Hub Device's IP Address / Host Names	
Authentication	By Remote ID only     e     Pre-shared Key
Addiction	A key with 16 alphanumeric characters will be generated for each SpeedFusion connection
NAT Mode	4
Data Port	Default     Custom
Send All Traffic To Remote Hub	
	Default: disabled
	DNS Servers
Link Failure Detection Time	<ul> <li>Recommended (Approx. 15 secs)</li> </ul>
	Fast (Approx. 6 secs)
	O Faster (Approx. 2 secs)
	C Extreme (Approx. 1sec)
	Shorter detection time incurs more health checks and higher bandwidth overhead

Save Changes or Cancel



Encryption	Toggle 256-bit AES encryption; in most cases, it's best to leave encryption turned on
Remote SpeedFusion Hub	Select the appropriate group and device to serve as a SpeedFusion hub
High Availability Setup	Check this box to enable HA, then select the appropriate group and device for your HA deployment
Hub Device's IP Address / Host Names	Enter the IP address or hostname assigned to the hub
Authentication	<b>Pre-shared Key</b> is the default, though you can also authenticate the hub using remote ID
NAT Mode	Check this box to enable network address translation
Data Port	The default data port is 4500; port 32015 will be used if port 4500 is unavailable
Send All Traffic to Remote Hub	Internet traffic from LAN clients on the endpoint device will be routed to the remote hub site over the SpeedFusion connection instead of routing to the device's WAN port(s)
Link Failure Detection Time	Choose the amount of time between link status checks; lower values enable faster detection but consume more bandwidth



## Viewing System Messages Organization Level Group Level

To see important system messages, click the notification ( ) icon located at the top of the page.

ystem messages	
2.0.18 - April 11, 2014	
- S/N now added automat - Device list and Event Log	on onitoring of FusionHub routed traffic iically after importing an evaluation license g can be downloaded as a CSV file er hour" chart in Device Reports page
2.0.17 - March 21, 201	4
- Added various LIX tweaks	

- Included new information in the Bandwidth Report: Data transferred since installation

- Added Remote Web Admin feature for FusionHub

Close



#### 4. Fleet and Device Management

#### Using the Dashboard Group Level

The Dashboard provides a wealth of at-a-glance data about online and offline devices, client statistics, location, and more. To access the Dashboard, select a group and then click the Dashboard icon located in the navigation bar.



#### **Device Summary**

This section offers a quick overview of online, offline, total online and offline, and connected client devices, all updated live.

Devic	e Summary			
	Online	Offline	Total	Clients
	7	4	11	16
	device(s)	device(s)	device(s)	online

#### **Device List**

The Device List displays important device information that can be easily sorted so you can quickly find just the information you need. The Device List also provides quick access to device management tools and group-level Wi-Fi settings.

Search de	vices	*							
▲ Status	Name	Tags 👌	Wi-Fi Config ∲	Product Name	Online	Usage 🍦	Clients 🔶	Firmware	d P
	Т03	Adeel	Device managed	Pepwave MAX HD2	now	1.0 kbps	1	6.1.0 build 2502	
	T26	Geoff	Device managed	Pepwave MAX HD2	now	0 bps	2	6.1.0 build 2502	
	T07	Justin	Device managed	Pepwave MAX HD2	now	25.0 kbps	2	6.1.0 build 2502	
	T20	Kelynn	Device managed	Pepwave MAX HD2	now	30.0 kbps	2	6.1.0 build 2502	I
	T10	Justin	Device managed	Pepwave MAX HD2	now	3.0 kbps	2	6.1.0 build 2502	



#### Мар

The map lets you keep on eye on your whole fleet in real time. Icons are marked with the name assigned to the device being tracked. Icons with numbers indicate multiple devices in the area.



To get details, including a complete route history, click any map icon.



To see a device's route history in motion, select a speed and click the play/pause button.





#### Event Log

The Event Log keeps you up-to-date on client connection/disconnection, data session times, time synchronizations, and more. For details on client devices, click the appropriate listing in the **Client** column. To display the Device Management page for a device, click its listing in the **Device** column. To display the entire Event Log report, which can be downloaded for use in other applications, click **More...** 

Time	Device	SSID	Client	Туре	Details
05-15 15:45:48	T25			WAN	Cellular 2 - ATT disconnected (WAN failed PING test)
05-15 15:41:37	T05			WAN	Cellular 1 - VZW connected to Verizon Wireless (10.178.95.1
05-15 15:41:14	T33			System	Time synchronization fail
05-15 15:38:55	T05			WAN	Cellular 1 - VZW disconnected
05-15 15:38:55	T05			WAN	Cellular 1 - VZW disconnected

#### Getting Detailed PepVPN/SpeedFusion Information Group Level

InControl 2 makes it easy to monitor the real time performance and activity of PepVPN/SpeedFusion endpoints. To get started, click **PepVPN / SpeedFusion > Live Status**.

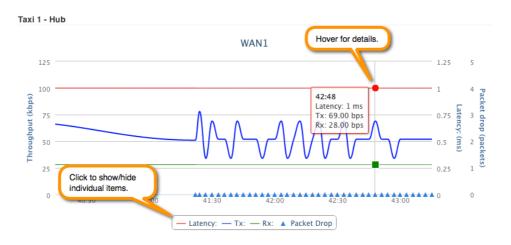


To see receive/transmit, packet drop rate, and latency statistics for a listed endpoint, click the disclosure triangle. For a visual representation of this data, click the graph icon on the right.

	End Point D	evice	IP / Subnet A	ddress(es)		
â 🔽	Taxi 1		10.80.30.1, 19	2.168.249.54/16		
Hub	_					
WAN1		Rx: 0 kbps	Tx: 0 kbps	Drop Rate: 0 /s	Latency: 1 ms	
End Point						L.
Cellular		Rx: 0 kbps	Tx: 0 kbps	Drop Rate: 0 /s	Latency: 1 ms	
2	Bus 1					
1	Bus 5					
۵ 🕨	Taxi 3		10.80.30.1, 19	2.168.249.41/16		
≙ ►	Taxi 2		10.80.30.1, 19	2.168.249.53/16		
≙ ►	Taxi 5		10.80.30.1, 19	2.168.249.52/16		
ê 🕨	Taxi 4		10.80.30.1, 19	2.168.249.38/16		
Ъ	Bus 4					
Ъ	Bus 2					
2	Bus 3					



Hover over graphed lines to see details. You can also click items in the graph legend to show/hide them.



#### Monitoring Clients Group Level

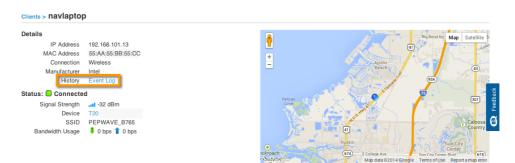
InControl 2 offers comprehensive client reporting in real time. To access a list of all connected clients click **Clients** in the navigation bar.

Dashboard E Reports PepVPN / Spee	dFusion 🄶 Wi-Fi AP 🧕 Clients 💠 Settings
-----------------------------------	---

For detailed information on a connected client, click its link in the **Name** column.

earch:	Q :	Showing 1 to 25 of 39 en	tries					
Status 🍦	IP Address	Name 🍦	Device 🍦	Upload	Download	Total	SSID	Signal
<del>ç</del>	192.168.101.13	navlaptop	<u>T20</u>	0 bps	0 bps	0 bps	PEPWAVE_B765	att -34 dBm
<del>?</del>	192.168.101.10	USLCNU1241LP3	<u>T96</u>	0 bps	0 bps	0 bps	PEPWAVE_B765	📶 -43 dBm
<b></b>	192.168.101.11	Williams-iPhone	<u>T96</u>	0 bps	0 bps	0 bps	PEPWAVE_B765	ati -36 dBm

On the client detail page, you'll see the client's current location, as well as other data. To see historical data for the client, click **Event Log**.





#### 5. Reporting

InControl 2 offers a variety of reports to help you monitor network and client devices. To access these reports select **Reports** from the navigation bar while working at the **Group Level**.



#### **Device Reports**

To get an in-depth look at bandwidth usage, network equipment, and client devices, select **Reports >Device Reports**. For more detail on displayed data, click on available links and hover over graph data.



#### Wi-Fi Reports

This report offers the same data as Device Reports, plus an SSID usage table to help you determine which access points are handling the most traffic.

				💽 By	Usage (	By Client
#	SSID	Encryption	# Clients	% Clients	Usage	% Usage
1	PEPWAVE_B765	WPA/WPA2 Personal	21	67.74%	12.5 GB	99.89%
2	PEPWAVE_9724	OPEN	1	3.23%	13.5 MB	0.11%
3	Team 41	WPA/WPA2 Personal	0	0.00%	1.8 kB	0.00%
4	PEPWAVE_9724	WPA/WPA2 Personal	0	0.00%	896 B	0.00%
5	PEPWAVE_B58C	WPA/WPA2 Personal	0	0.00%	0 B	0.00%

SSID Usage Table



#### Event Log

The Event Log lets you track any kind of system event and can be filtered using an array of presets. You can also specify custom report filtering criteria.

Search & Filter					
Search:					
From Now	Now	to Optional	Optional		
System SpeedE	usion  WAN		IP Conflict  MA	C Conflict	HA DDNS Fleet
System Speed				to connet	
Search Reset Fi	Iters				
+ newer older •	♦ 2014-05-15	16:02:39 - 2014-05-	-15 15:29:58		
newer older	<ul> <li>2014-05-15</li> <li>Device</li> </ul>	16:02:39 - 2014-05- SSID	-15 15:29:58	Туре	Details
				Type WAN	Details Cellular 2 - ATT connected to AT&T (10.205.83.210)
lime	Device				
'ime 'hu, May 15 16:02:39	Device     T10			WAN	Cellular 2 - ATT connected to AT&T (10.205.83.210)
<b>'ime</b> 'hu, May 15 16:02:39 'hu, May 15 16:01:11	Device           T10           T10			WAN	Cellular 2 - ATT connected to AT&T (10.205.83.210) Cellular 2 - ATT disconnected (WAN failed PING test)