

SENSORIO.COM

LZR®-SIGMA's online device and user management portal



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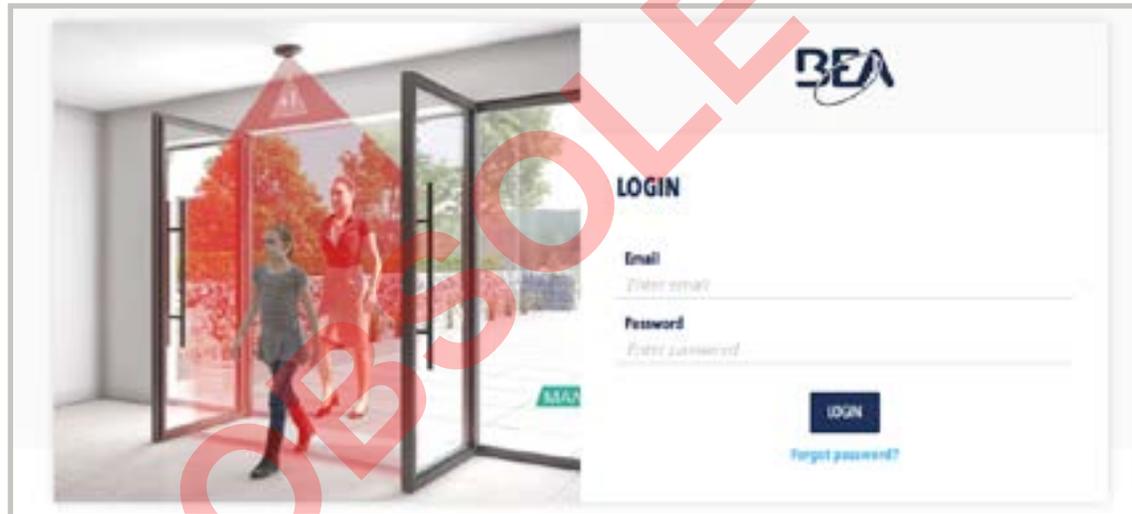
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INTRODUCTION

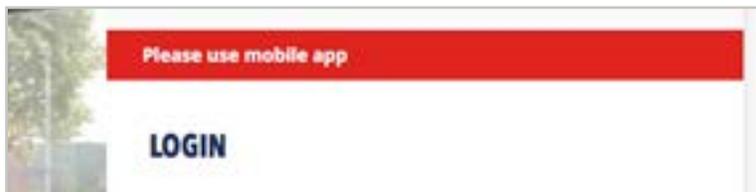
The purpose of this tutorial is to provide COMPANY ADMINISTRATORS and DEVICE MANAGERS with an overview of the online device and user management portal for LZR®-SIGMA.

LOGIN SCREEN

Only users with Company Administrator and Device Manager level access have access to the portal.



Any user with Installer and Enduser level access will receive a prompt to use the LZR®-SIGMA mobile app.



Any user assigned "No Access" will receive a "No access" message.



ACCESS TYPES:

- Company Administrator
- Device Manager

Sensorio Logged in as: Chris Rigatti (BEA Inc.) Logout

1 DEVICES 2 USERS 3 EXTERNAL DATA ACCESS (API) 7 Search

4	STATUS	DEVICE ID	COMPANY (SITE)	COUNTRY (CITY)	INST. ON	INST. BY	DATA PUS
<input type="checkbox"/>	●	H6E7CB	Discount Groceries (Store 54)	United States (Pittsbu rgh)	10 August 2020	Chris Rigatti	-
<input type="checkbox"/>	●	H66B1A	BEA Inc. (BEA Occupancy Test)	United States (Pittsbu rgh)	11 June 2020	Tim Chiappetta	-
<input type="checkbox"/>	●	H7BSF1	BEA Inc. (BEA Occupancy Test)	United States (Pittsbu rgh)	10 June 2020	Tim Chiappetta	-
<input type="checkbox"/>	●	HAEC63	Discount Groceries (Store 27)	United States (Pittsbu rgh)	9 June 2020	Chris Rigatti	-
<input type="checkbox"/>	●	H7AA19	BEA Inc. (BEA US HQ)	United States (Pittsbu rgh)	5 May 2020	Tim Chiappetta	-
<input type="checkbox"/>	●	HC43AB	BEA Inc. (BEA US HQ)	United States (Pittsbu rgh)	30 April 2020	Tim Chiappetta	BEAAnalyt cs
<input type="checkbox"/>	●	H83B4B	-	-	12 February 2020	Chris Rigatti	-

21 DEVICES

- Online 7
- Online Ethernet 2
- Offline 10
- Offline Ethernet 2

8

1. Device management tab
2. Users management tab
3. API management tab
4. Search/Filter bar

5. Click for user information.
6. Click for your integrator company's information.
7. General search
8. Sidebar tools appear here.

ACCESS TYPES:

- Company Administrator
- Device Manager

This page displays all LZR-SIGMA devices assigned to your Integrator account.

The screenshot shows the 'Sensorio' interface with the 'DEVICES' tab selected. The page header indicates the user is logged in as 'Chris Rigatti (BEA Inc.)'. Below the header are navigation tabs for 'DEVICES', 'USERS', and 'EXTERNAL DATA ACCESS (API)'. A search bar is located on the right. The main content is a table with columns: STATUS, DEVICE ID, COMPANY (SITE), COUNTRY (CITY), INST. ON, INST. BY, and DATA PUS. The table lists several devices with their respective statuses (Online or Offline) and details. To the right of the table is a sidebar titled '21 DEVICES' which provides a summary of device counts: Online (7), Online Ethernet (2), Offline (10), and Offline Ethernet (2). A large red watermark 'OBSOLETE' is overlaid on the table.

STATUS	DEVICE ID	COMPANY (SITE)	COUNTRY (CITY)	INST. ON	INST. BY	DATA PUS
Online	H6E7CB	Discount Groceries (Store 54)	United States (Pittsbu rgh)	10 August 2020	Chris Rigatti	-
Online	H66B1A	BEA Inc. (BEA Occupa ncy Test)	United States (Pittsbu rgh)	11 June 2020	Tim Chiappetta	-
Online	H7BSF1	BEA Inc. (BEA Occupa ncy Test)	United States (Pittsbu rgh)	10 June 2020	Tim Chiappetta	-
Offline	HAEC63	Discount Groceries (Store 27)	United States (Pittsbu rgh)	9 June 2020	Chris Rigatti	-
Offline	H7AA19	BEA Inc. (BEA US HQ)	United States (Pittsbu rgh)	5 May 2020	Tim Chiappetta	-
Offline	HC43AB	BEA Inc. (BEA US HQ)	United States (Pittsbu rgh)	30 April 2020	Tim Chiappetta	BEAAnalyt ics
Offline	H83B4B	-	-	12 February 202 0	Chris Rigatti	-

Status of all of your LZR-SIGMA devices

- Online
- Error
- Offline
- Deactivated

DEVICE INFORMATION

These sidebar tabs are used to customize device information. You may select one or more devices to be customized simultaneously.

ACCESS TYPES:

- Company Administrator
- Device Manager

Sensorio Logged in as: John Doe (SIGMA Analytics) Logout

DEVICES USERS

1	STATUS	DEVICE ID	COMPANY (SITE)	COUNTRY (CITY)	INST. ON	INST. BY	DATA PUSH
<input type="checkbox"/>	●	X0005E	-	-	-	-	-
<input type="checkbox"/>	●	X0005F	-	-	-	-	-
<input type="checkbox"/>	●	X0005D	BEA Analytics (Pittsburgh)	United States (Pittsburgh)	29/05/2018	Chris Rigatti	Thi
<input type="checkbox"/>	●	X0005B	BEA Analytics (Headquarters)	United States (Pittsburgh)	23/07/2018	Jeff Boyd	Thi
1 <input checked="" type="checkbox"/>	●	X00060	bea (bea)	United States (Pittsburgh)	21/03/2019	Mike Brazier	CRI Test CSV

3 DEFINE COMPANY
4 DEFINE SITE
5 DEFINE DATA PUSH
6 DEACTIVATE DEVICES
7 FACTORY RESET
8 PARTIAL RESET
9 EXPORT EXCEL FILE

10 1 SELECTED DEVICES
● Online: 1
● Offline: 4

1. MODIFY MULTIPLE DEVICES: Selecting the device(s) will allow access to the sidebar tools, allowing you to modify several at once.
2. MODIFY A SINGLE DEVICE: Click on the device's ID to modify existing information (see page 10).

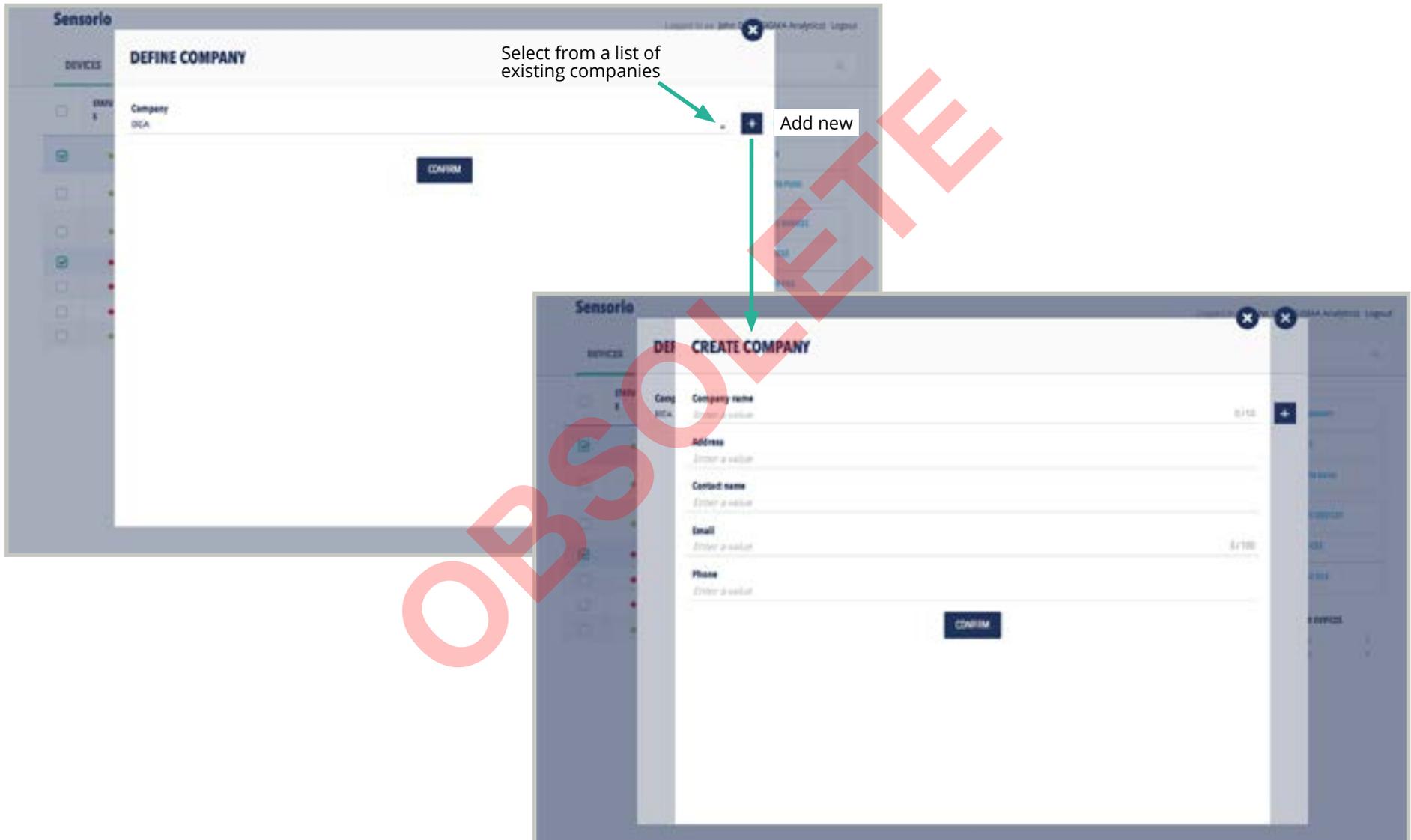
3. enduser information
4. installation location information
5. data push setup for transferring data via FTP or SFTP
6. erases device or multiple devices
7. clears the height, left/right limits, and all device location information
8. clears height and left/right limits
9. exports sensor data
10. status of selected devices

DEVICE INFORMATION - Define Company

Company = name of enduser's company or organization

ACCESS TYPES:

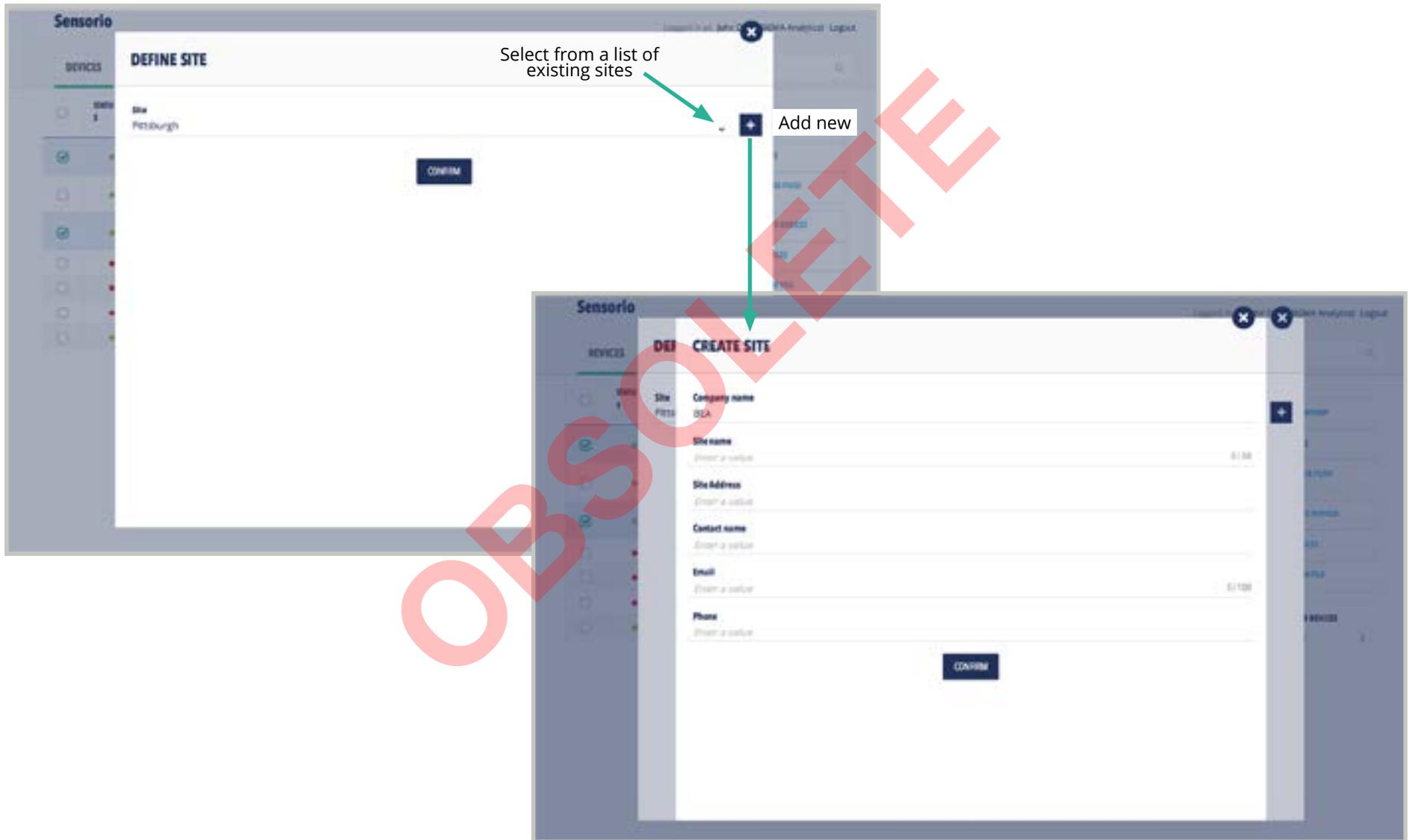
- Company Administrator
- Device Manager



DEVICE INFORMATION - Define Site

ACCESS TYPES:

- Company Administrator
- Device Manager

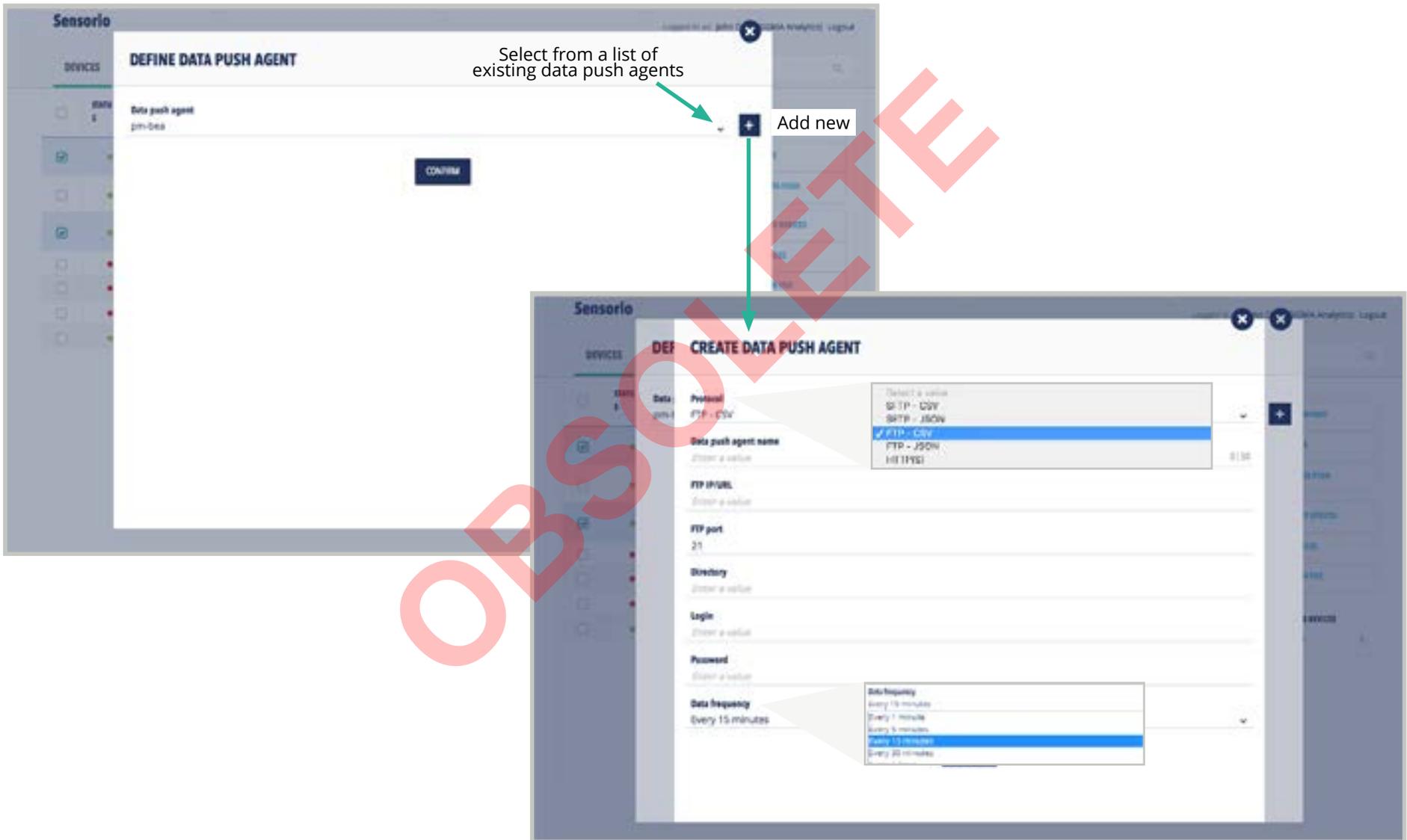


DEVICE INFORMATION - Define Data Push Agent

A data push agent is used to push data from SIGMA via FTP, SFTP, or HTTPs POST methods. The max frequency for a data push is 1 minute. SIGMA also supports two other data transfer methods, via REST API and Live Count mode.

ACCESS TYPES:

- Company Administrator
- Device Manager

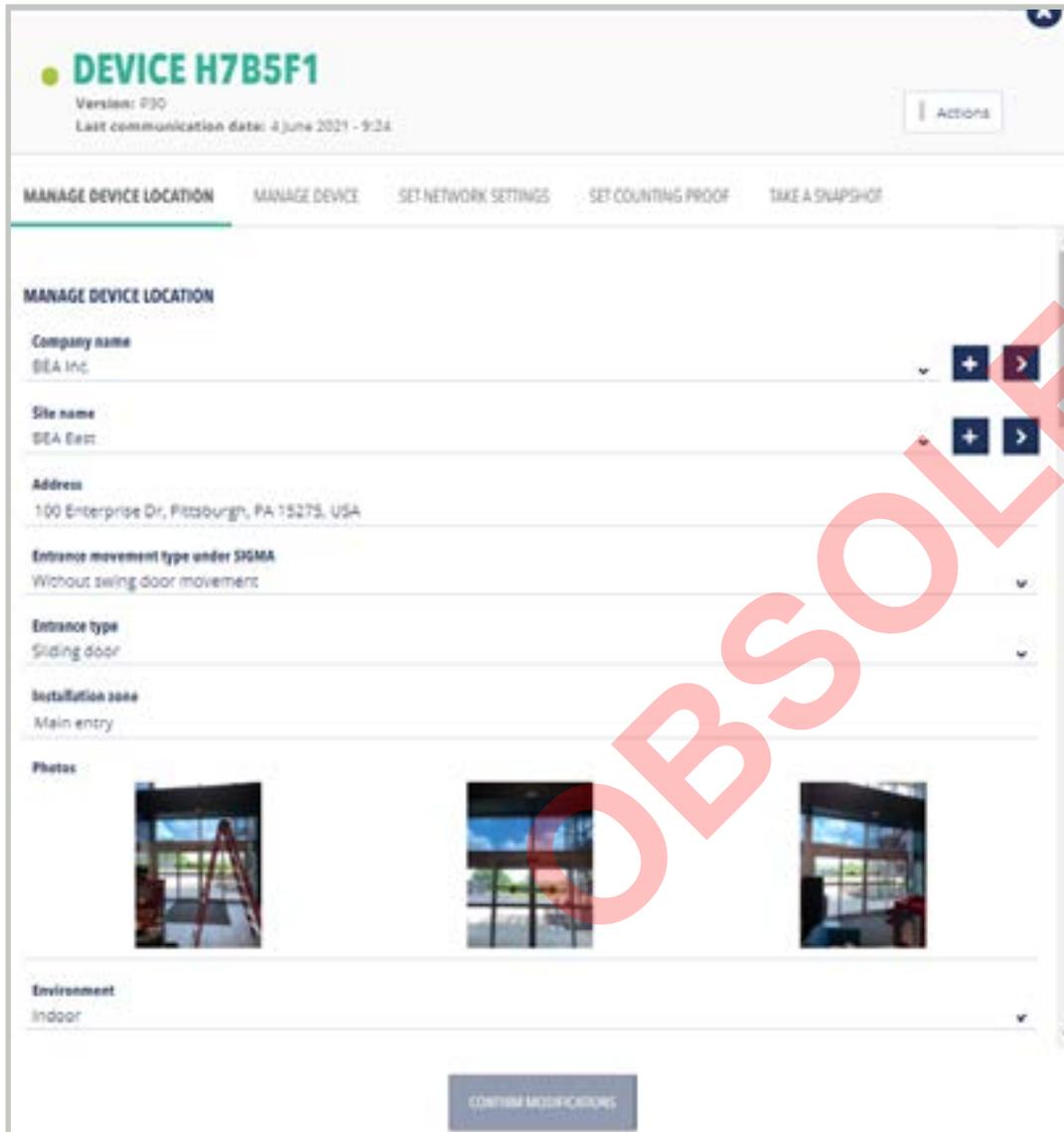


DEVICE INFORMATION - Individual Device

ACCESS TYPES:

- Company Administrator
- Device Manager

If an individual device was chosen from the "DEVICE ID" column (see page 6), the following screen will appear.

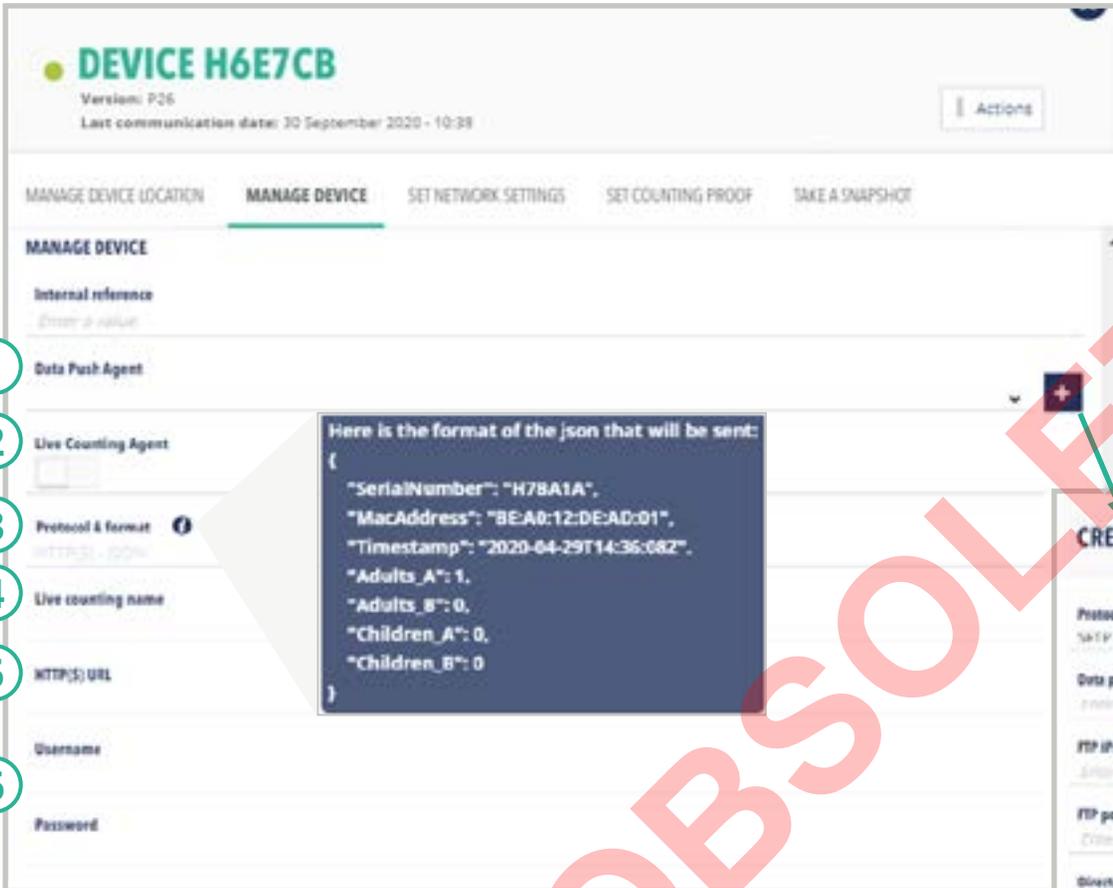


Manage Device Location
information specific to installation location

DEVICE INFORMATION - Individual Device

ACCESS TYPES:

- Company Administrator
- Device Manager



Manage Device

these screenshots show device settings for data push and live counting



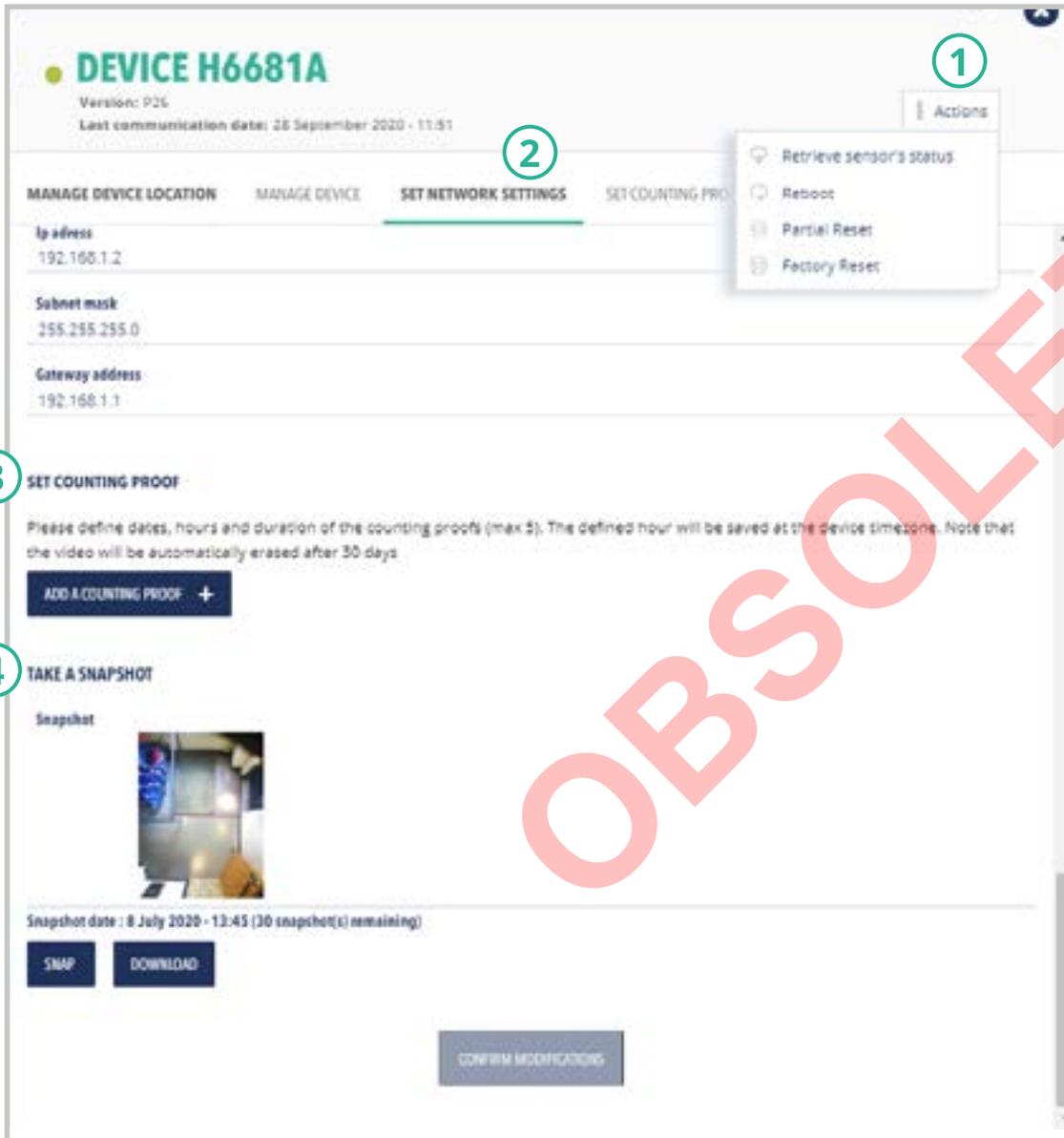
1. Data Push Agent - by clicking the + button, the user can create a data push agent
2. Live Counting Agent - used to send data from a sensor in near-real time, directly to a HTTP(S) endpoint URL.
Note: Enabling live count mode for a sensor connected via cellular will increase monthly data charges. Contact your supplier for more information.
3. Protocol & format - see information pane
4. Live counting name - designate a title for your live counting
5. HTTP(S) URL - the destination for your data
6. Username / Password - specific to your data push agent, not the same as your Sensorio account credentials

DEVICE INFORMATION - Individual Device

ACCESS TYPES:

- Company Administrator
- Device Manager

The screenshot below shows device actions and device settings for network, counting proofs, and snapshots



1. Actions:
 - *Retrieve sensor's status* – get the current connection status and software version
 - *Reboot* – shut down and restart the sensor (does not reset any settings)
 - *Partial Reset* – clears device location settings
 - *Factory Reset* – clears and restores settings to factory default settings; integrator information remains the same
2. Set Network Settings – local network settings for device (enable/disable DHCP, change IP address, subnet and gateway)
3. Set Counting Proof – information for the period of time that a counting proof will be conducted
4. Take A Snapshot – sensor takes a picture and overlays a red counting line. This can be used for checking the location of the counting line, investigating the sensor's environment, or simply to verify that the sensor is online.

USERS TAB

This page displays all users associated with your Integrator account.

Those users with Device Manager access levels have "read-only" access to information in this tab and are, therefore, unable to add new users or modify existing users.

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)

Click here to add new users.
See next page.

Logged in as John Doe (SIGMA Analytics) Logout

Search

<input type="checkbox"/>	COMPANY	ACCESS	NAME	EMAIL	LAST LOGIN
<input type="checkbox"/>	SIGMA Analytics	Company Administrator	John Doe	sigma@beainc.com	07/13/2018
<input type="checkbox"/>	SIGMA Analytics	No access	Reid Harper	sigma1E@beainc.com	07/13/2018
<input type="checkbox"/>	SIGMA Analytics	Installer	Alicia Chamberlin	sigma1C@beainc.com	07/13/2018
<input type="checkbox"/>	BEA Install Co.	Company Administrator	Lauren Gaus	sigma2A@beainc.com	07/13/2018
<input type="checkbox"/>	Retail Worldwide	Company Administrator	Mike Brazier	sigma3A@beainc.com	07/13/2018
<input type="checkbox"/>	BEA Install Co.	Device Manager	Mike Straub	sigma2B@beainc.com	05/16/2018

ADD USER

15 USERS

Company Administrator	4
Device Manager	2
Installer	3
Enduser	3
No access	3

Total number of users and access permission levels

Company Administrator	4
Device Manager	2
Installer	3
Enduser	3
No access	3

USER INFORMATION

These sidebar tabs are used to customize user information. You may select one or more users to be customized simultaneously.

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)

The screenshot displays the 'USERS' tab in the Sensorio application. At the top, it shows 'Logged in as John Doe (SIGMA Analytics) Logout' and a search bar. Below the search bar is a table of users with columns: COMPANY, ACCESS, NAME, EMAIL, and LAST LOGIN. The table contains 8 rows of user data. Two rows are selected, marked with a circled '1' and a checked checkbox. The first selected user is Reid Harper (SIGMA Analytics, No access), and the second is Lauren Gaus (BEA Install Co., Company Administrator). The user name 'John Doe' in the first row is marked with a circled '2'. To the right of the table is a sidebar with three buttons: 'DELETE' (3), 'CHANGE ACCESS' (4), and 'ADD USER' (5). Below these buttons is a summary box titled '2 SELECTED USERS' showing 'Company Administrator: 1' and 'No access: 1'. A large red 'OBSOLETE' watermark is overlaid diagonally across the center of the screenshot.

	COMPANY	ACCESS	NAME	EMAIL	LAST LOGIN
<input type="checkbox"/>	SIGMA Analytics	Company Administrator	John Doe	sigma@beainc.com	07/13/2018
<input checked="" type="checkbox"/>	SIGMA Analytics	No access	Reid Harper	sigma1E@beainc.com	07/13/2018
<input type="checkbox"/>	SIGMA Analytics	Installer	Alicia Chamberlin	sigma1C@beainc.com	07/13/2018
<input checked="" type="checkbox"/>	BEA Install Co.	Company Administrator	Lauren Gaus	sigma2A@beainc.com	07/13/2018
<input type="checkbox"/>	Retail Worldwide	Company Administrator	Mike Brazier	sigma3A@beainc.com	07/13/2018
<input type="checkbox"/>	BEA Install Co.	Device Manager	Mike Straub	sigma2B@beainc.com	05/16/2018
<input type="checkbox"/>	SIGMA Analytics	Company Administrator	John Laslo	sigma1A@beainc.com	04/26/2018

1. Selecting a user(s) will allow access to the sidebar tools.
2. Click on the user's name to modify existing information specific to that user.
3. Delete a user.
4. Change access level permission.
5. Add a new user (see pages 16 - 20).

USER INFORMATION - Add User (User Type)

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)

The screenshot shows the 'ADD USER' form with the following fields: Email (0/150), First name (0/30), Last name (0/30), Phone, User type (dropdown menu with options: Select a value, Integrator, Installer, Client), and Company. A 'CONFIRM' button is located at the bottom center.

There are three available User Types:

1. Integrator – your company
Note: "Company" info will auto-populate.
2. Installer – 3rd party / partner installation company
Note: "Company" may be selected from a drop-down list of previously entered companies, or information must be added (see screenshots below).
3. Client – enduser
Note: "Company" may be selected from a drop-down list of previously entered companies, or information must be added (see screenshots below).

The screenshot shows the 'CREATE INSTALLER' form with the following fields: Company name (0/30), Address, Contact name, Email (0/100), and Phone. A 'CREATE COMPANY' button is located at the bottom center.

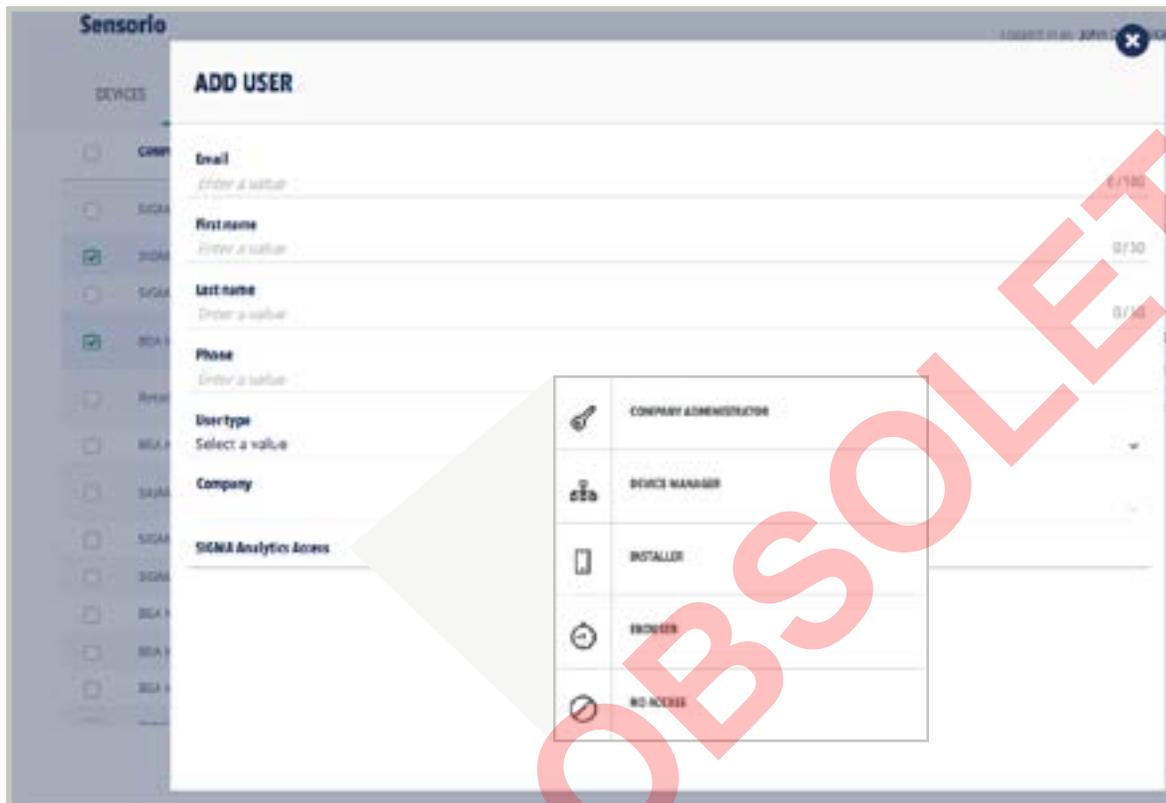
The screenshot shows the 'CREATE COMPANY' form with the following fields: Company name (0/30), Address, Contact name, Email (0/100), and Phone. A 'CREATE COMPANY' button is located at the bottom center.

USER INFORMATION - Add User (Access)

CAUTION: Be mindful in choosing access levels. Risks of varying degrees are associated with each level (see risk chart below descriptions). By assigning a user Company Administrator or Device Manager access permission, you are allowing that user to view, modify, or delete ALL devices, clients, and/or users associated with your integrator company.

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)



Company Administrator – User has full access to the mobile app and online portal, including ability to manage users within the company

Device Manager – User has full mobile app and online portal access, excluding user management

Installer – User has full access to the mobile app, allowing them to install new sensors and change sensor settings, as well as conduct counting proofs

Enduser – User has access to the mobile app for counting proofs only

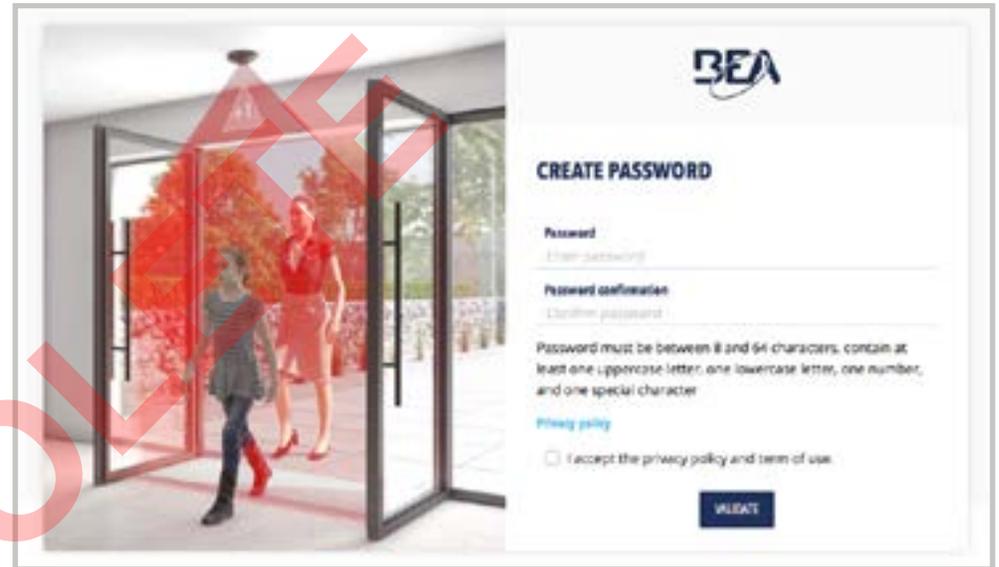
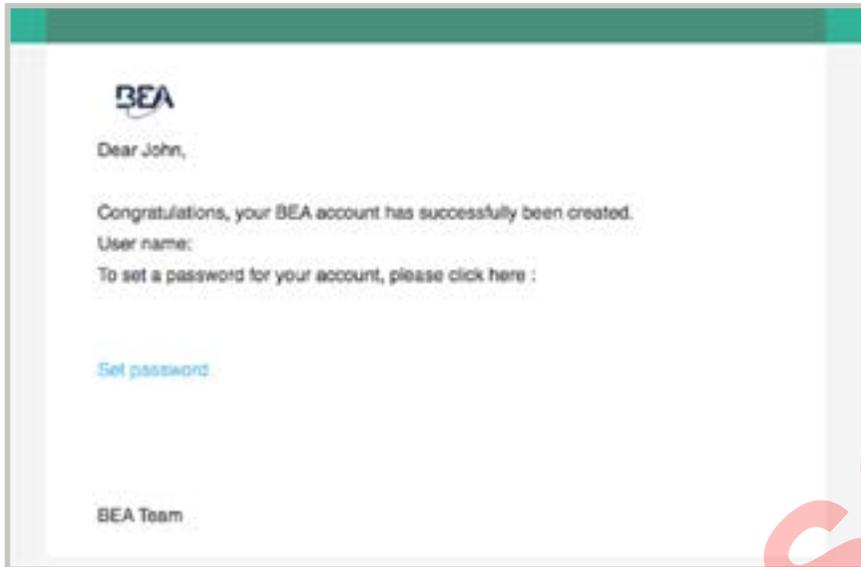
ACCESS PERMISSION RISK LEVELS		ACCESS PERMISSION				
		Company Administrator	Device Manager	Installer	Enduser	No Access
USER TYPE	Integrator	none	none	none	low	high
	Installer	high	high	none	none	none
	Client	high	high	high	none	none

USER INFORMATION - Add User (Email Confirmation)

Once a new user has been added, that user will receive a confirmation email.

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)



The new user must click on “Set password” to take them to the portal to create a password for their account.

After creating a password (a), the user will receive the following action depending on their access level permission:

- Those with Company Administrator or Device Manager level access permission will be taken to the home page.
- Those with Installer or Enduser level access permission will receive a prompt directing them to the app (below, left).
- Those with No Access will receive a prompt reminding them that they do not have access to the portal (below, right).



USER INFORMATION - Change Access

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)

Sensorio Logged in as John Doe (SIGMA Analytics) Logout

DEVICES **USERS** Search:

<input type="checkbox"/>	COMPANY	ACCESS	NAME	EMAIL	LAST LOGIN	
<input type="checkbox"/>	SIGMA Analytics	Company Administrator	John Doe	sigma@beainc.com	07/13/2018	DELETE
<input checked="" type="checkbox"/>	SIGMA Analytics	No access	Reid Harper	sigma1E@beainc.com	07/13/2018	CHANGE ACCESS
<input type="checkbox"/>	SIGMA Analytics	Installer	Alicia Chamberlin	sigma1C@beainc.com	07/13/2018	ADD USER
<input checked="" type="checkbox"/>	BEA Install Co.	Company Administrator	Lauren Gaus	sigma2A@beainc.com	07/13/2018	2 SELECTED USERS Company Administrator 1 No access 1
<input type="checkbox"/>	Retail Worldwide	Company Administrator	Mike Brazier	sigma3A@beainc.com	07/13/2018	
<input type="checkbox"/>	BEA Install Co.	Device Manager				
<input type="checkbox"/>	SIGMA Analytics	Company Administrator				

See below for possible access types.

CHANGE ACCESS

	COMPANY ADMINISTRATOR
	DEVICE MANAGER User has full mobile app and online portal access excluding user management.
	INSTALLER
	ENDUSER
	NO ACCESS User has no access to mobile app or online portal.

CONFIRM

This example shows a change in access level permission from Device Manager to No Access.

USER INFORMATION - Delete User

ACCESS TYPES:

- Company Administrator
- Device Manager (read-only)

The screenshot shows the Sensorio web interface. At the top, it says "Sensorio" and "Logged in as John Doe (SIGMA Analytics) Logout". Below this are tabs for "DEVICES" and "USERS", with "USERS" selected. A search bar is on the right. The main area is a table of users with columns for selection, company, access, name, email, and last login. Two users are selected with checkboxes: "Reid Harper" (No access) and "Alicia Chamberlin" (installer). A modal dialog is open in the foreground, titled "or.io", with the text: "By erasing this user, you delete his account on the BEA portal and/or mobile application". A "CONFIRM" button is at the bottom of the dialog. On the right side of the interface, there are buttons for "DELETE", "CHANGE ACCESS", and "ADD USER". A "2 SELECTED USERS" summary box shows: "Company Administrator 1" and "No access 1". A large red "OBSOLETE" watermark is overlaid on the image.

<input type="checkbox"/>	COMPANY	ACCESS	NAME	EMAIL	LAST LOGIN	
<input type="checkbox"/>	SIGMA Analytics	Company Administrator	John Doe	sigma@beainc.com	07/13/2018	DELETE CHANGE ACCESS ADD USER
<input checked="" type="checkbox"/>	SIGMA Analytics	No access	Reid Harper	sigma1E@beainc.com	07/13/2018	2 SELECTED USERS Company Administrator 1 No access 1
<input type="checkbox"/>	SIGMA Analytics	installer	Alicia Chamberlin	sigma1C@beainc.com	07/13/2018	
<input checked="" type="checkbox"/>	BEA Install Co.	Company Administrator				
<input type="checkbox"/>	Retail Worldwide	Company Administrator				
<input type="checkbox"/>	BEA Install Co.	Device Manager				
<input type="checkbox"/>	SIGMA Analytics	Company Administrator				

EXTERNAL DATA ACCESS (API) TAB

ACCESS TYPES:

- Company Administrator
- Device Manager

Logged in as: Chris Rigatti (BEA Inc.) Logout

DEVICES USERS **EXTERNAL DATA ACCESS (API)** Search

<input type="checkbox"/>	PREFIX	NAME	CREATION DATE	EXPOSED FEATURES	COMPANIES
<input checked="" type="checkbox"/>	C6mFtjlp	BEATestKey	9 June 2020	Get data, Get device detail, Get devices	BEA Inc.
<input type="checkbox"/>	bOYnwFe1	GCKey	30 April 2020	Get data, Get device detail, Get devices	Grove City Premium Outlets

ADD A KEY ①

DELETE KEY ②

DOCUMENTATION ③

1. [Add a Key](#)
Create a new API key. Each key can be configured to receive data for one or more companies managed by your integrator account.
2. [Delete Key](#)
Remove a previously assigned key
3. [Documentation](#)
Information for API request and response formats