

SENSORIO.COM

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



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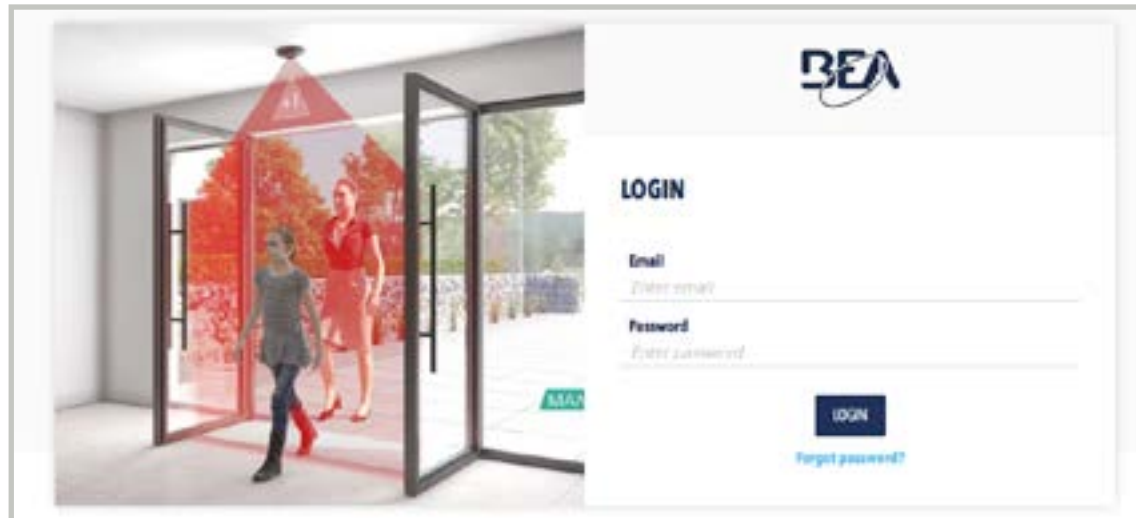
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INTRODUCTION

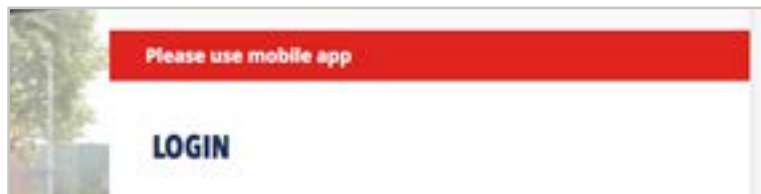
The purpose of this tutorial is to provide COMPANY ADMINISTRATORS and DEVICE MANAGERS with an overview of the online device and user management portal for LZR®-SIGMA.

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

The screenshot shows the Sensorio web interface. At the top, there's a header with the 'Sensorio' logo and a user login status 'Logged in as: Chris Rigatti (BEA Inc.) Logout'. Below the header are three tabs: 'DEVICES' (1), 'USERS' (2), and 'EXTERNAL DATA ACCESS (API)' (3). A search bar (7) is located to the right of these tabs. The main content area is a table (4) with columns: STATUS, DEVICE ID, COMPANY (SITE), COUNTRY (CITY), INST. ON, INST. BY, and DATA PUS H. The table lists several devices with their respective statuses (Online or Offline) and details. On the right side, there's a sidebar (8) titled '21 DEVICES' showing a summary of device counts: Online (7), Online Ethernet (2), Offline (10), and Offline Ethernet (2).

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

21 DEVICES

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

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.

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

ACCESS TYPES:

- Company Administrator
- Device Manager

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

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

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

21 DEVICES

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

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

Search

	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
<input checked="" type="checkbox"/>	●	X00060	bea (bea)	United States (Pittsburgh)	21/03/2019	Mike Brazier	CRI Test CSV

1 SELECTED DEVICES

● Online 1
● Offline 4

1 ☐ **2** **3** **4** **5** **6** **7** **8** **9** **10**

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

The image shows two screenshots of the Sensorio web interface. The top screenshot is titled 'DEFINE COMPANY' and shows a form with a 'Company' field containing 'DCA'. A green arrow points from the 'Add new' button (a blue square with a white plus sign) to the bottom screenshot. The bottom screenshot is titled 'CREATE COMPANY' and shows a form with fields for 'Company name', 'Address', 'Contact name', 'Email', and 'Phone'. Each field has a placeholder text 'Enter a value'. A 'CONFIRM' button is at the bottom right of the form.

DEVICE INFORMATION - Define Site

ACCESS TYPES:

- Company Administrator
- Device Manager

The top screenshot shows the 'DEFINE SITE' interface. It features a list of existing sites with one entry, 'Pittsburgh'. To the right of this list is a '+ Add new' button. A green arrow points from the text 'Select from a list of existing sites' to the list of sites. Another green arrow points from the '+ Add new' button to the 'CREATE SITE' form in the bottom screenshot.

The bottom screenshot shows the 'CREATE SITE' form. It contains the following fields:

- Company name: BEA
- Site name: From a value (dropdown)
- Site Address: From a value (dropdown)
- Contact name: From a value (dropdown)
- Email: From a value (dropdown)
- Phone: From a value (dropdown)

A 'CONFIRM' button is located at the bottom right of the form.

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

The first screenshot shows the 'DEFINE DATA PUSH AGENT' screen. It has a sidebar with 'DEVICES' and 'Data push agent' sections. The main area shows a list of existing agents with a '+ Add new' button. A callout points to this button with the text 'Add new'. Another callout points to the list of existing agents with the text 'Select from a list of existing data push agents'.

The second screenshot shows the 'CREATE DATA PUSH AGENT' screen. It has a sidebar with 'DEVICES' and 'Data push agent' sections. The main area shows a form with the following fields:

- Protocol:** A dropdown menu with options: 'Select a value', 'SFTP - CSV', 'SFTP - JSON', 'FTP - CSV' (selected), 'FTP - JSON', and 'HTTP POST'.
- Data push agent name:** A text input field with a placeholder 'Enter a value'.
- FTP IP/URL:** A text input field with a placeholder 'Enter a value'.
- FTP port:** A text input field with the value '21'.
- Directory:** A text input field with a placeholder 'Enter a value'.
- Login:** A text input field with a placeholder 'Enter a value'.
- Password:** A text input field with a placeholder 'Enter a value'.
- Data frequency:** A dropdown menu with options: 'Every 15 minutes', 'Every 1 minute', 'Every 5 minutes', 'Every 15 minutes' (selected), and 'Every 30 minutes'.

Callouts highlight the 'Add new' button and the dropdown menus for Protocol and Data frequency.

DEVICE INFORMATION - Individual Device

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

ACCESS TYPES:

- Company Administrator
- Device Manager

DEVICE H7B5F1
Version: P30
Last communication date: 4 June 2021 - 9:24

Actions

MANAGE DEVICE LOCATION | MANAGE DEVICE | SET NETWORK SETTINGS | SET COUNTING PROOF | TAKE A SNAPSHOT

MANAGE DEVICE LOCATION

Company name
BEA Inc.

Site name
BEA East

Address
100 Enterprise Dr, Pittsburgh, PA 15275, USA

Entrance movement type under SIGMA
Without swing door movement

Entrance type
Sliding door

Installation zone
Main entry

Photos

Environment
Indoor

CONFIRM MODIFICATIONS

Manage Device Location

information specific to installation location

DEVICE INFORMATION - Individual Device

ACCESS TYPES:

- Company Administrator
- Device Manager

DEVICE H6E7CB
Version: P26
Last communication date: 30 September 2020 - 10:38

MANAGE DEVICE LOCATION | **MANAGE DEVICE** | SET NETWORK SETTINGS | SET COUNTING PROOF | TAKE A SNAPSHOT

MANAGE DEVICE

Internal reference
Enter a value

Data Push Agent +

Live Counting Agent ☐

Protocol & format ?
HTTP(S) URL

Live counting name

HTTP(S) URL

Username

Password

Here is the format of the json that will be sent:

```
{
  "SerialNumber": "H78A1A",
  "MacAddress": "BE:AD:12:DE:AD:01",
  "Timestamp": "2020-04-29T14:36:08Z",
  "Adults_A": 1,
  "Adults_B": 0,
  "Children_A": 0,
  "Children_B": 0
}
```

Manage Device

these screenshots show device settings for data push and live counting

CREATE DATA PUSH AGENT

Protocol
SFTP - JSON

Data push agent name
Enter a value

FTP IP/URL
Enter a value

FTP port
Enter a value

Directory
Enter a value

Login
Enter a value

Password
Enter a value

Data frequency

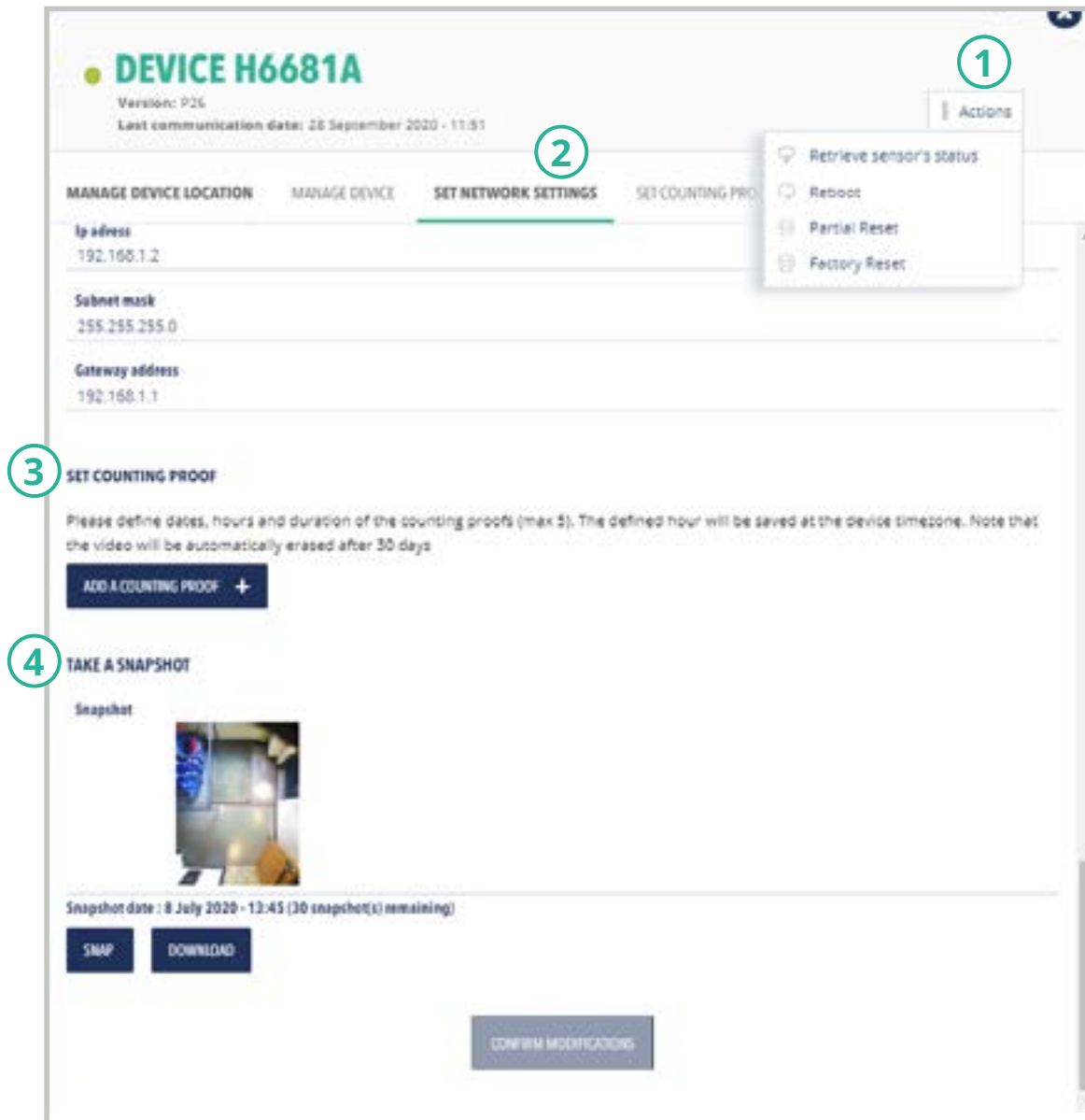
1. Data Push Agent – by clicking the + button, the user can create a data push agent
2. Live Counting Agent – used to send data from a sensor in near-real time, directly to a HTTP(S) endpoint URL.
Note: Enabling live count mode for a sensor connected via cellular will increase monthly data charges. Contact 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

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

ACCESS TYPES:

- Company Administrator
- Device Manager



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.

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	ADD USER 15 USERS Company Administrator 4 Device Manager 2 Installer 3 Enduser 3 No access 3
<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	

Total number of users and
access permission levels

Company
Administrator
Device Manager
Installer
Enduser
No access

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)

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	sigma1@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

DELETE

CHANGE ACCESS

ADD USER

2 SELECTED USERS

Company Administrator 1

No access 1

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)

ADD USER

Email Enter a value 0/100

First name Enter a value 0/30

Last name Enter a value 0/30

Phone Enter a value

User type Select a value

Company

SICMA Analytics Access

CONFIRM

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).

CREATE INSTALLER

Company name Enter a value 0/30

Address Enter a value

Contact name Enter a value

Email Enter a value 0/100

Phone Enter a value

CREATE COMPANY

CREATE COMPANY

Company name Enter a value 0/30

Address Enter a value

Contact name Enter a value

Email Enter a value 0/100

Phone Enter a value

CREATE COMPANY

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

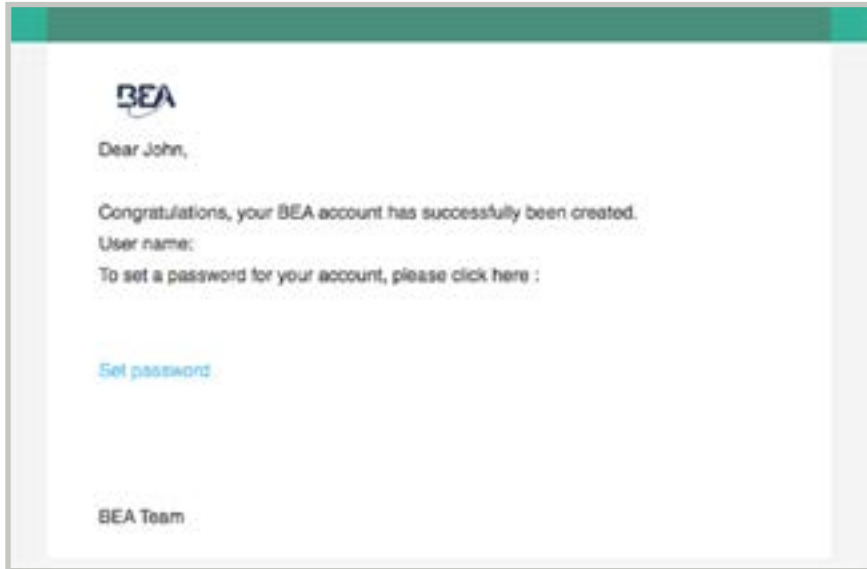
		ACCESS PERMISSION				
		Company Administrator	Device Manager	Installer	Enduser	No Access
USER TYPE	Integrator	none	none	none	low	high
	Installer	high	high	none	none	none
	Client	high	high	high	none	none

USER INFORMATION - Add User (Email Confirmation)

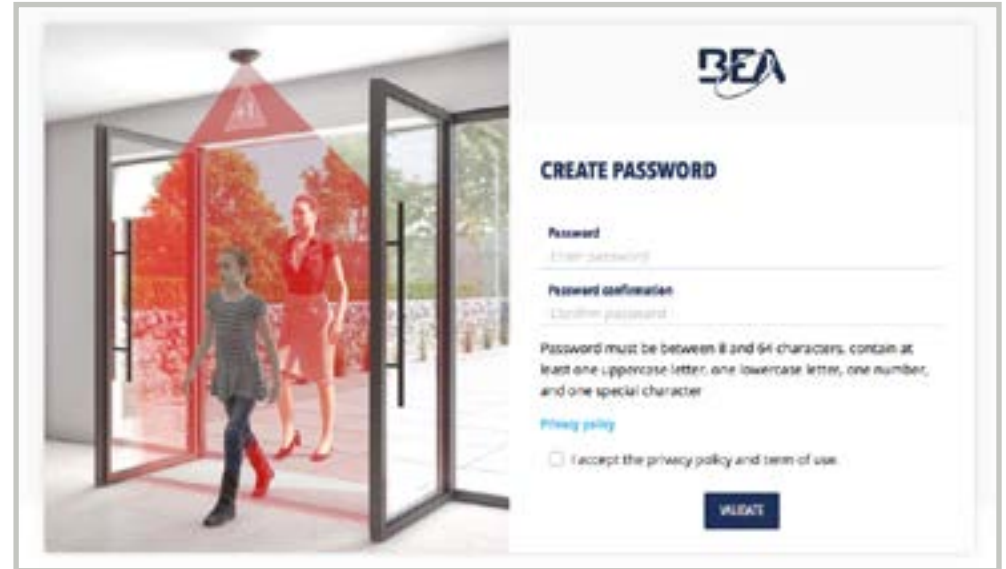
Once a new user has been added, that user will receive an confirmation email.

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 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	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				
<input type="checkbox"/>	SIGMA Analytics	Contractor				

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

See below for possible access types.

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

Original Instructions
34.01 SENSORIO.COM TUTORIAL 2021063

Page 1

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 the header, there are tabs for "DEVICES" and "USERS", with "USERS" being the active tab. A search bar is located on the right. The main area displays a table of users with columns: COMPANY, ACCESS, NAME, EMAIL, and LAST LOGIN. A green arrow points from the search bar to the "DELETE" button in the actions column. A modal dialog is open in the center, titled "By erasing this user, you delete his account on the BEA portal and/or mobile application", with a "CONFIRM" button. To the right of the modal, a summary box shows "2 SELECTED USERS" with a list: "Company Administrator" (1) and "No access" (1).

	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				
<input type="checkbox"/>	Retail Worldwide	Company Administrator				
<input type="checkbox"/>	BEA Install Co.	Device Manager				
<input type="checkbox"/>	SIGMA Analytics	Company Administrator				

2 SELECTED USERS

- Company Administrator 1
- No access 1

EXTERNAL DATA ACCESS (API) TAB

ACCESS TYPES:

- Company Administrator
- Device Manager

Sensorio 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"/>	C6mFtJp	BEATestKey	9 June 2020	Get data, Get device detail, Get devices	BEA Inc.
<input type="checkbox"/>	bQYnwFe1	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