

- 1. Sigfox Cloud GUI
- 2. Organization & Hierarchy
- 3. Devices & Device type
- 4. Service prediction
- 5. APIs & Callbacks





Pre-requisites

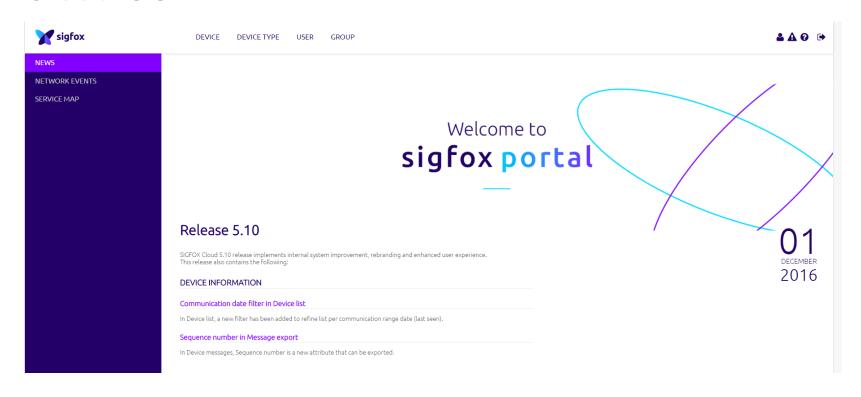
User checklist:

- ✓ Internet access
- ✓ Computer with correct date/time
- ✓ Recent web browser (Chrome, Firefox & Safari preferred)
- ✓ Account creation email received

Production cloud: backend.sigfox.com

Support contact: support.sigfox.com



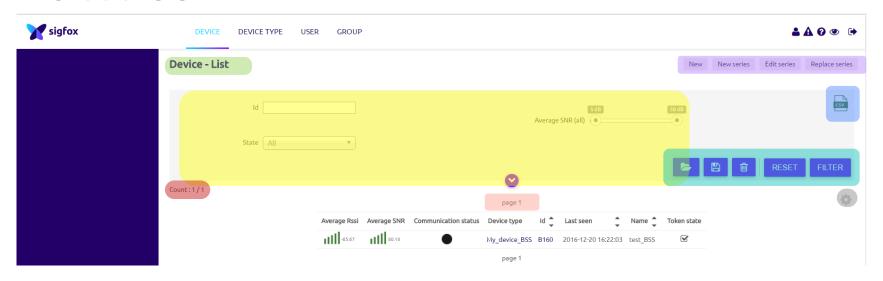






- Main page shortcut (News, network event, service map)
- Category selection (Device, Device type, User, Group)
- Category items
 - Global entries (profile, network event, online help, logout)

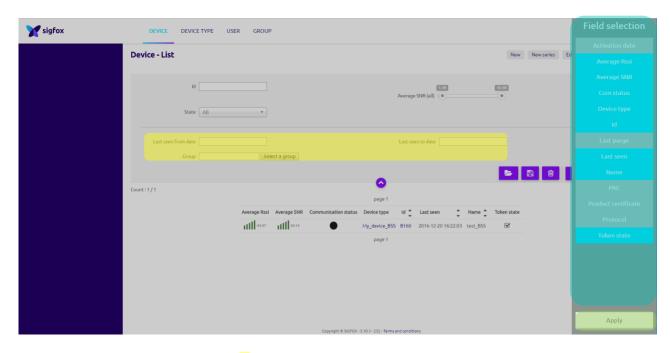




- Selected category
- Action buttons
- Filter conditions
- Displayed items/total

- Filter operations
- Export list to CSV
- Page switch
- Column display customization







- Column edition menu (max. 8 columns)
- Column edition validation



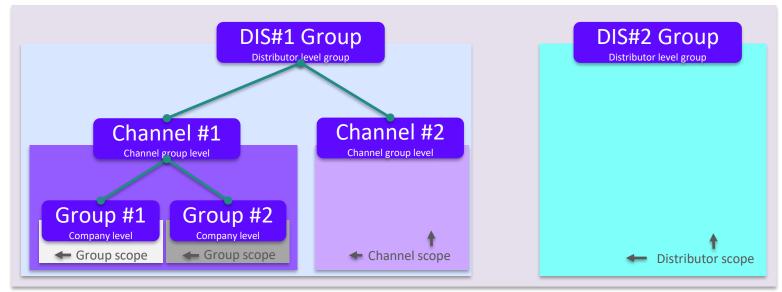
2

Organization & hierarchy



Group &Subgroups

Cloud organization is hierarchically structured



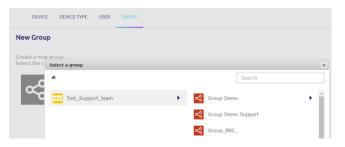


Group creation in details



Step 1 : Click on New button in Group tab

Step 2 : Select the Parent Group





Group creation in details

Step 3: Enter Group information

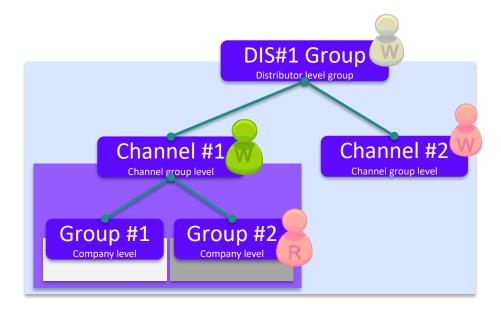
Group - New
Group information Name
Description
Parent group Group Demo
Timezone UTC ▼
Ok Cancel



User roles

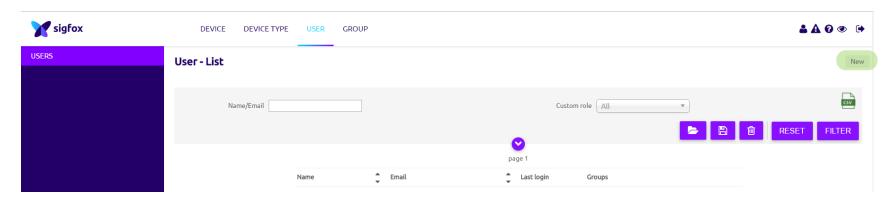
User creation is linked to **rights allocation on groups**. A specific attention shall be given to the user role allocation:

- > SIGFOX Corp predefines user roles
- DIS/Customers are granted with the rights that correspond to their needs
- User rights can be fine tuned (R/W)





User creation in details



Step 1: Click on New button in User tab

Step 2 : Enter user information





User creation in details

Step 3: Click select group button and choose a group



Step 4: Choose role





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Devices & Device types



Device & Device type

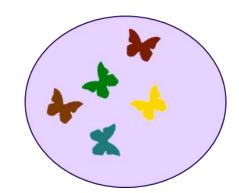
Device notions:

- Unique ID per device
- One property title for each own: PAC



Device type notion:

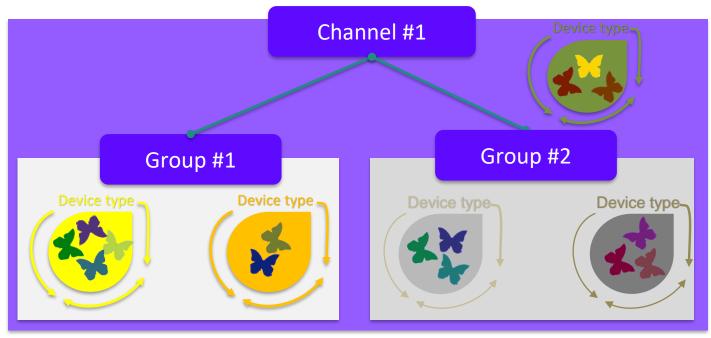
- Group of devices with the same behavior
- Linked to a single order (same subscription levels and duration)
- Belongs to a unique group
- Callback availability to retrieve messages







Device & Device type





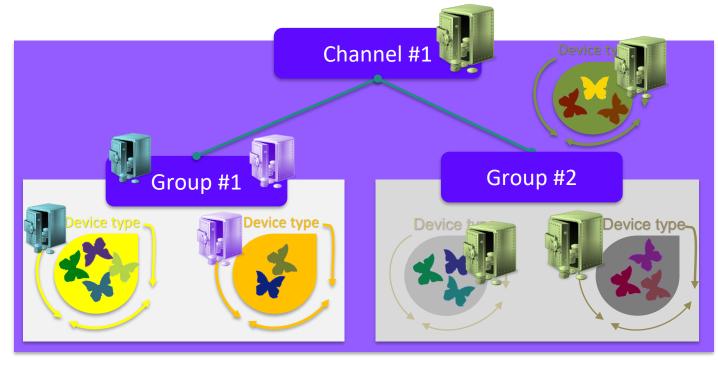
Order allocation



Channels validate order:

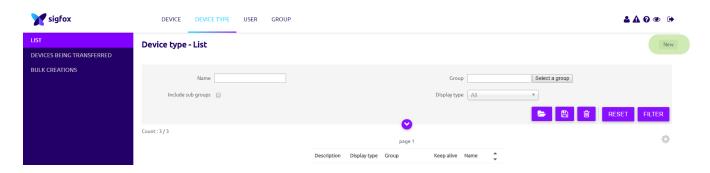
Channels allocate contracts to Groups and possibly to device type.

Groups allocates contracts to device type in their group or in sub-groups below





Device type creation in details



Step 1 : Click on New button in Device type tab

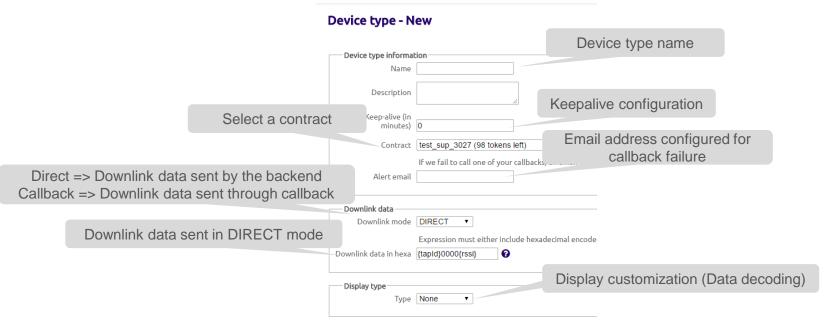
Step 2 : Select a group





Device type creation in details

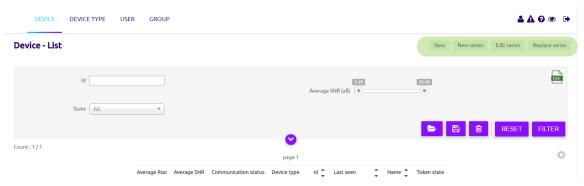
Step 3: Enter device type information







Device creation in details



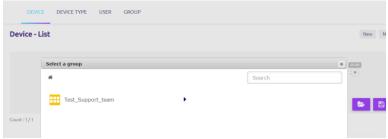
Step 1 : Select a way to register devices

- New: register devices one by one / move device from device types (different contract)
- New series : register batch of devices / move device from device types (different contract)
- Edit series : edit device information / move devices from device types (same contract)
- Replace series : replace a broken device by a new



Device creation in details

Step 2a: If New has been chosen, select a group to register the device



Step 3a: Enter device information

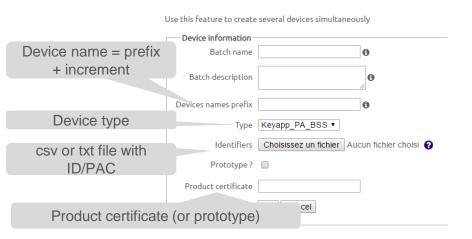




Device creation in details

Step 2b: If New series has been chosen

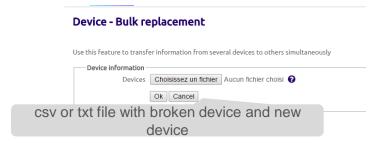
Device - Bulk creation



Step 2c : If Edit series has been chosen Device - Bulk edition



Step 2d : If replace series has been chosen





Check device messages

Go to Device tab



Select a device by clicking on the ID



3. Go to the message tab



4. Send a message and check that the message has been received by the backend





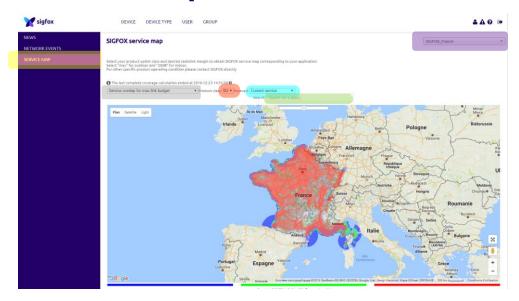
page 1

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Service map



Service map



- Service map
 Territory selection
 - Installation type

- SIGFOX Ready Device class
- Forecast
- Specific place selection



APIs & callbacks



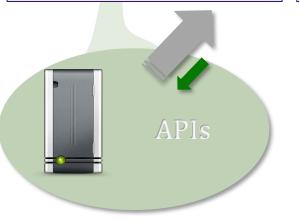
Cloud interfaces

Web portal access to all cloud functions (admin, billing, service map, messages...)

API (pull mechanism) access to all cloud functions interconnecting customer servers with SIGFOX. Usage: customer IT platform integration

Callbacks (push mechanism) for automatic, instantaneous notifications (new messages, alarms...)

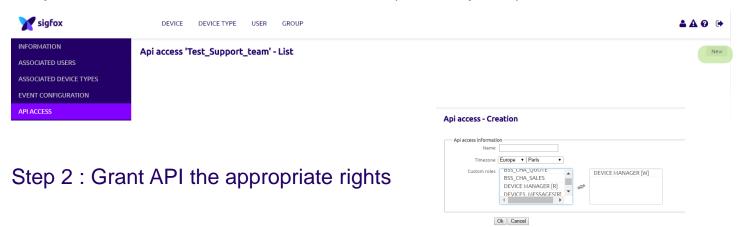




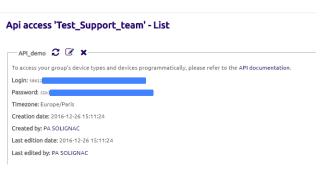


API creation

Step 1 : Click on New in API access tab (in Group tab)



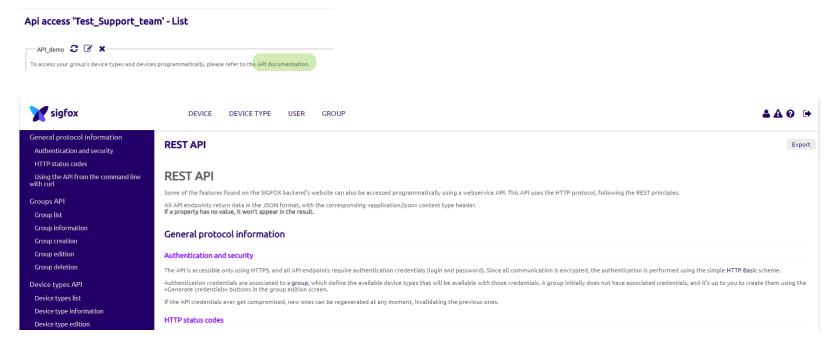
Step 3: Retrieve credentials to use API





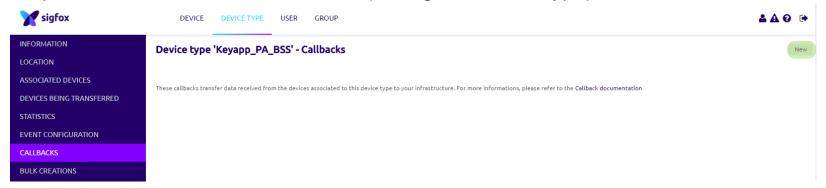
API creation

Step 4 : API documentation is generated according to API access rights



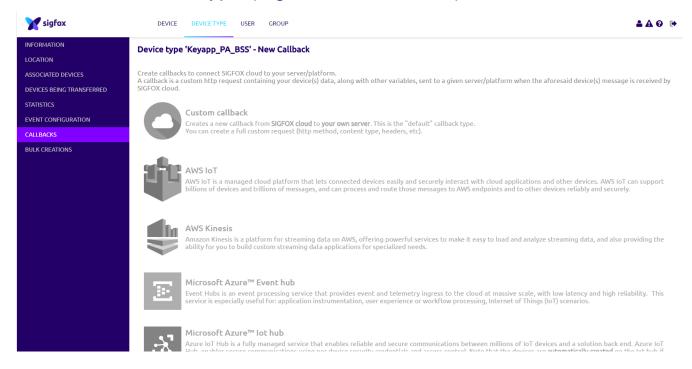


Step 1 : Click on New in Callback tab (for a given device type)





Step 2 : Choose a callback type (e.g. Custom callback)





Step 3a: Enter callback information

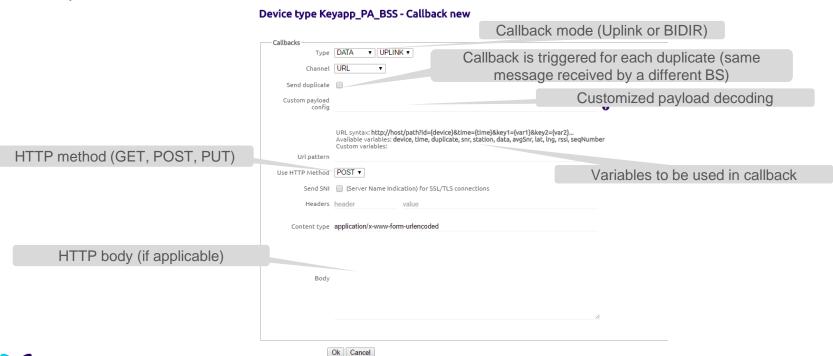


- **DATA** *Uplink* : send uplink messages to customer platform *BIDIR* : sne duplink messages to customer platform and wait for an DOWNLINK messages from the same platform;
- **ERROR**: in case of communication failure, it allows to know if it is a device (based on keepalive value defined in the device edition page) or a network issue
- **SERVICE**: provide additional services based on service messages or network information
 - STATUS: device battery and temperature information provided by service messages (e.g. keepalive messages)
 - GEOLOC: available only if Spot'it enabled
 - ACK: status about the downlink emission. This does not ensure that the device received the message

Using batch_URL is strongly recommended to limit the number of request when retrieving messages. Batch_URL gathers messages within 1 seconds prior to sending the HTTP request.



Step 3b: Enter callback information





Step 4 : Check that Callback is ENABLED and downlink (if BIDIR callback configured)





Thank you!

