AEROSENSE

Assure: home care assistant

Wavve: contactless sleep monitor

API Guidance

V1.2

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HISTORY

Date	Version	Modification
04-06-2023	V1.0	Release.
04-12-2023	V1.1	Token authentication.
08-22-2023	V1.2	Debugging and testing

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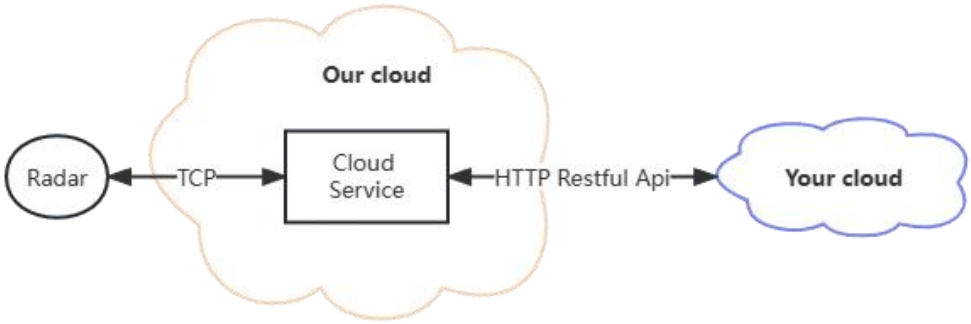
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1. Introduction

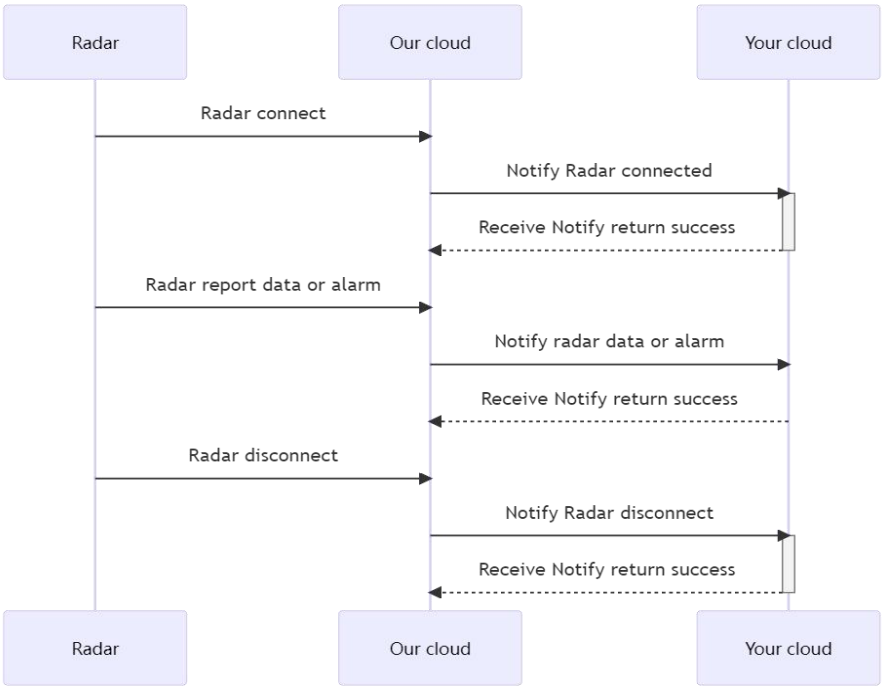


Via TCP protocol, the radar is connected directly to our Cloud, which in turn communicates to your Cloud via HTTP RESTful API. Once your Cloud is notified that the radar is online, you can save the connection to execute other functions.

The radar will then send data and alerts through RESTful API to your Cloud from our Cloud, so that you can develop your own codes based on your own strategy.

If the radar is disconnected from our Cloud, your cloud will be notified via RESTful API so that you can update the radar status from online to offline to execute certain strategies.

2. To create the app and to acquire RESTful API token



Sequencing Diagram

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RESTful API token is the identifier to communicate between our Cloud and yours. The transition is carried out by setting the HTTP request head Authorization: Bearer +token in the RESTful API request. Please contact support@ax-end.com or our sales to apply for the API token.

When you apply for the API token, please provide the information below:

Contact information

Name		Company name	
Title		Company website	
Email		Address	
Phone			

APP information

APP name	
The HTTP service of your RESTful to request Base url	To request the Base url of the RESTful, and support http and https, for example http://xxx.xxx.com:80 or http://xxx.xxx.com:443. It can be revised before your APP is launched.
Your RESTful API token	If the request needs to be authenticated via token, please fill in your RESTful API token, including header name and token. Your API token will be sent via the HTTP Header during the request.

1) Please note that it may take up to two working days for us to build the cloud to cloud APP using the information you provide.

2) Once we've created the identifier on our Cloud, you will receive the following information:

- The App ID which is the unique ID of your APP on our Cloud.
- The API token which is the proof that you request our Cloud to provide the RESTful API and should be properly kept.
- The IP and Port of the radar TCP service to setup the radar network.
- The RESTful base url to request our Cloud.

3. Document of the API interface to develop the Restful API

It contains two files, including our RESTful API interface and the notification interface of your cloud. Please refer to the files **Our-cloud-restful-api** and **Your-cloud-restful-api**, respectively.

4. Debugging and testing

1、Please send us the SN of the radars that you'd like to register so that we can correctly register these radars to your company.

2、Once the radar is connected to Axend cloud, a Room will be automatically assigned to this radar in Axend cloud. (The default room type is Bedroom for both the Wavve and the Assure.) The radar connection and the room ID

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will be sent to you. You can then edit the Room name and time zone through the Room ID so that the radar will report the correct time.

3、Once you've developed the RESTful interfaces and the radar is able to be connected to our cloud via TCP, and you are able to access the online/offline event, the data event, and the alert event, the access is successful.

5. Support

Please contact support@ax-end.com for any help or more information.

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