For Authorizing the request from our service, we need access token.

There are two ways to fetch it:

1. Pin based: In this method user has to input the pin(can be obtained from auth uri ) and input it in our landscape.
2. Redirect uri: This seems cleaner as here we need to distribute a redirect uri which will be called directly from nest cloud with state and code. Also, user will be taken to get auth screen from nest which seems industry standard (fb, linkedin etc) where she needs to allow access.

Challenges:

1. Tokens are to be stored in our landscape. As they are valid for forever, they should be stored somewhere with faster and secure access (database ??)
2. Sending token using authorization custom header is dropped and no solution is found till now for this. There are two workarounds for this issue:
3. Send request twice by cheking 307 redirects.
4. Send token using auth in url

Currently, I have used second approach as it looks cleaner.

Future tasks/challenges:

* Also, for querying further we need some better querying tool otherwise looping through large structure for location etc and then forming requests can make it very slow.
* How to deal with server side events to maintain live updates. If we maintain our application between the client and nest cloud, then our server needs to act as SSE client for nest cloud service and SSE server for the client.
* Getting a null event with each genuine SSE