We need to store the devices and their attributes in the database. As most of the apis including nest returns attributes in json format, using a relation database will be both cumbersome and error prone. We should go for nosql.

I am planning to try out with mongo-db installation.

As with SSE, we are anyways getting full dump of data, we can simply update the dump with the newer version.

Also, these nosql implementation provides better mechanism for searching and updating which will be regular.

Consider a use case, in which we need to turn all cams off at a particular location. If we have a dump of all the devices, then we can simply get all device ids having where = loc and simply send a batch or multiple patch request to turn the cams off.

Also, we need to apply the same techniques for tokens although there will be very rare updates in them.