SJRI Server – Web Service

The format of the web service we discussed is as follows :

1. To Generate Token
KMCTest.sjri.res.in/RestAuthorizeClientSession.svc/GenTkn/<GatewayId>

Eg: KMCTest.sjri.res.in/RestAuthorizeClientSession.svc/GenTkn/GW001

O/P : Tokenval1

2. To Post to the Server

KMCTest.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/<token>/<GatewayId>/<SensorData>

Eg: KMCTEST.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/Tokenval1 /GW001/ 15/11/6
12:00:00,27.2,24.9,0,0,lat,long,ComErrorFlag,Trigger Flag,15/11/6 11:51:49

NOTE:

1) Ideal condition : Gateway and Device are within visiblity range. The data is synced every 3 minutes.

In this case, the server should allow two data pushes – (data obtained on 3rd minute and 6th minute) on every 6th minute using the same tokenID.

Eg:
1st Data Push will be like :
KMCTEST.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/Tokenval1 /GW001/ 15/11/6
12:00:00,27.2,24.9,0,0,lat,long,ComErrorFlag,Trigger Flag,15/11/6 11:51:49

2nd Data Push will be like :
KMCTEST.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/Tokenval1 /GW001/ 15/11/6
12:03:00,27.2,24.9,0,0,lat,long,ComErrorFlag,Trigger Flag,15/11/6 11:51:49

2) Non-Ideal condition : Gateway and Devices are not within visibility range. The data is stored in the Wearable device itself.

2.a) When wearable is not connected, every 6th minute the Gateway pushes the last known information from the wearable with the Communication Flag updated.

Eg:
Data Push will be like :
KMCTEST.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/Tokenval1 /GW001/ 15/11/6 12:03:00,27.2,24.9,0,0,lat,long,ComErrorFlag,Trigger Flag,15/11/6 11:51:49

In this case, the wearable will store the data every 3 minutes. The number of data logs can be upto 15 hours : 300 samples.

2.b) When the Gateway comes within the visinity of the wearable and on connecting to the Wearable device, the Gateway shall recieve upto 300 samples. If all these data has to be pushed to the server, then the server must allow multiple data pushes (upto 150) with a Single Token.

Eg:

1st Data Push will be like :
KMCTEST.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/Tokenval1 /GW001/ 15/11/6 12:00:00,27.2,24.9,0,0,lat,long,ComErrorFlag,Trigger Flag,15/11/6 11:51:49

2nd Data Push will be like :
KMCTEST.sjri.res.in/RestAuthorizeClientSession.svc/Getpath/Tokenval1 /GW001/ 15/11/6 12:03:00,27.2,24.9,0,0,lat,long,ComErrorFlag,Trigger Flag,15/11/6 11:51:49

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and so on until 150th data push.