



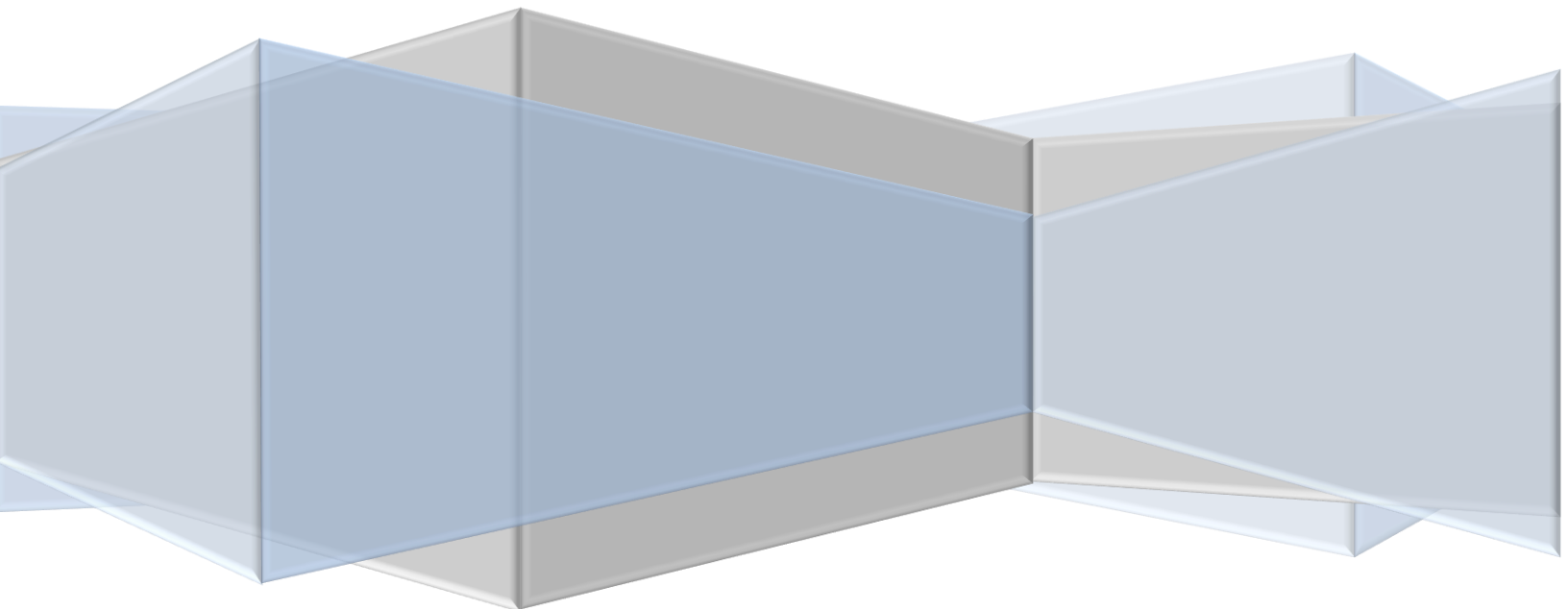
API Integration Guide for IoT

Process Document

Author - Instrukart

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Document Control Information**Document Details**

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Prepared By	Ajay
Reviewed & Approved By	Sagar Sharma

IOT Requirements for Client side Hosting

Pre-Requirements for IoT client side Hosting

1. Please note that, there should be an end point API created for receiving the data from the Instrument and storing the same data to your database. Below is a sample end point API page for your reference.

Syntax of API:

`https://samplewebsite.com/iot.php?Name=[name of instrument]&IMEI=[IMEI no of the instrument]&Sstr=[sstr value]&DevTime=[time of the instrument]&Temp=[temp record of the instrument]&Hum=[humidity of the instrument]`

Example:

`https://samplewebiste.com/iot.php?Name=Instrukart&IMEI=123456&Sstr=30&DevTime=02-25-2020 10:36:00&Temp=26.0&Hum=40.5`

Name, IMEI, Sstr, DevTime, Temp, Hum are the parameters (case sensitive, please follow as same)

`https://samplewebiste.com/iot.php?` - Your Server file location

2. Need to create Database table with the below columns and data type(data type may be differ based on the Database you are using).

Column	Data Type
record_Id	Int(11)
name	text
imei	bigint(20)
sstr	int(11)
devtime	text
temp	float
hum	float
record_added	timestamp

3. After the API is created, kindly share the API to **dev1@instrukart.com**, then we will test the API by posting the data to your server using browser and simulator.
4. Once you confirm the receiving of data to your database, we will integrate the API to the actual IoT device.
5. Then the Instrument starts pushing the data to the HTTPS or HTTP address(API)

Pre-requisite:

Server Requirement: Windows or Linux

Database: MySQL, Mango DB or any RDBMS

Programming Language: Any

Common Errors while connecting the IoT to the server

1. Port Open Issue
2. Firewall Issue
3. Http / Https issue
4. Network Open Connection

Basic Troubleshooting:

1. Make sure your systems ports are open and available.
2. Check with your Hosting Provider for any Firewall, HTTP or HTTPS and Network related issues.

For any further assistance, please reach us at +(91)-7331110506