IBM Cloud Service

Date	19 November 2022
Team ID	PNT2022TMID47580
Project Name	Smart Solutions for Railways

Python IDLE:

wiotp-sdk:

```
Microsoft Windows (Version 18.0.22621.819)
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C:\Users\ramkr-pip install wiotp-sdk
Requirement already satisfied: wiotp-sdk in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (0.11.0)
Requirement already satisfied: wiotp-sdk in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (1.1.0)
Requirement already satisfied: pix=2818.9 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (1.6.1)
Requirement already satisfied: programs\python\python37\lib\site-packages (from wiotp-sdk) (1.6.1)
Requirement already satisfied: pack-markr\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (2.28.1)
Requirement already satisfied: requests-2.21.8 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (2.28.1)
Requirement already satisfied: requests-2.8 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (2.28.1)
Requirement already satisfied: requests-2.11.0 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from requests-2.2.1.0-wiotp-sdk) (2.28.1)
Requirement already satisfied: charset-normalizer-3,>=2 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from requests-2.2.1.0-wiotp-sdk) (2.1.1)
Requirement already satisfied: charset-normalizer-3,>=2 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from requests-2.2.1.0-wiotp-sdk) (2.1.1)
Requirement already satisfied: charset-normalizer-3,>=2 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from requests-2.2.1.0-wiotp-sdk) (2.1.1)
Requirement already satisfied: charset-normalizer-3,>=2 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from wiotp-sdk) (2.2.8.1)
Requirement already satisfied: packages (from wiotp-sdk) (2.2.8.1)
Requirement already satisfied: packages (from wiotp-sdk) (2.2.8.1)
Requirement alre
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ibmcloudant:

```
Microsoft Windows [Version 10.0.22621.819]
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C:\Users\ramkr>pip install ibmcloudant
Requirement already satisfied: ibmcloudant in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (0.2.1)
Requirement already satisfied: ibm_cloud_sdk_core=3.16.0 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from ibmcloudant) (3.1 6.0)
Requirement already satisfied: python_dateutil(3.0.0,>=2.5.3 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from ibmcloudant) (2.28.1)
Requirement already satisfied: python_dateutil(3.0.0,>=2.5.3 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from ibmcloudant) (2.8.2)
Requirement already satisfied: pyNV(3.0.0,>=2.0.1 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from ibmcloudant) (2.6.0)
Requirement already satisfied: urllib3<2.0.0,>=2.0.1 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from ibmcloudant) (1.6.0)
Requirement already satisfied: six>=1.5 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from ibmcloudant) (2.6.12)
Requirement already satisfied: six>=1.5 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from python_dateutil<3.0.0,>=2.5.3->ibmcloudant) (1.6.0)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from request<3.0,>=2.20->ibmcloudant) (2.2.1.1)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from request<3.0,>=2.20->ibmcloudant) (2.22.9.24)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from request<3.0,>=2.20->ibmcloudant) (2022.9.24)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from request<3.0,>=2.20->ibmclou
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Opency-python:

```
Windows PowerShell
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PS C:\Users\ramkr> pip install opencv-python
Requirement already satisfied: opencv-python in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (4.6.0.66)
Requirement already satisfied: numpy>=1.14.5 in c:\users\ramkr\appdata\local\programs\python\python37\lib\site-packages (from opencv-python) (1.21.6)

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

PS C:\Users\ramkr>
```

pyzbar:

```
Window PowerShell
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PS C:\Users\ramkr> pip install pyzbar
Requirement already satisfied: pyzbar in c:\users\ramkr\appdata\local\programs\python\python27\lib\site-packages (0.1.9)

Install on me wrelease of pip available; pyzbar in c:\users\ramkr\appdata\local\programs\python\python27\lib\site-packages (0.1.9)

Install on me wrelease of pip available; pyzbar in c:\users\ramkr\appdata\local\programs\python\python27\lib\site-packages (0.1.9)

Fortical To update, run: python.exe -s pip install --upgrade pip

PS C:\Users\ramkr\python\python27\lib\site-packages (0.1.9)
```