Agent API

The following are endpoints that can be used to interact with the xConnect Agent.

> **Note**
>
> **As of current release, the API is only bound to localhost or 127.0.0.1 and cannot be accessed by any other networked machines.** If a remote device needs to access the API, please contact support for an HTTPS version of the API.

Get Latest Sensor Data

Used to collect the latest sensor data from all xConnect Agent sensor points

URL : `http://localhost:8886/getSensorLatest`

Method : `GET`

Auth required : NO

Success Response

Code : `200 OK`

Content example

```
[
  {
    "SensorID": 1,
    "SensorSource": "WMI",
    "SensorName": "Network NIC1 MaxLinkSpeed",
    "SensorUnit": "MB",
    "SensorFullKey": "Network_NIC1_MaxLinkSpeed",
    "DataType": "Integer",
    "LatestValue": "492",
    "LocalSensorThreshold": null,
    "LocalStrictOperator": null,
    "DashboardEnabled": true,
    "GaugeEnabled": true
  },
  ... repea  d lis  o  arrays  or all se  ors
]
```

Error Response

Condition : If route is incorrect, you will receive a not found response.

Code : `404 NOT FOUND`

Submit Telemetry to xConnect

Used to collect telemetry from 3rd party applications that can POST a formed JSON object. The API will consume this object and submit it to the xConnect Gateway and appear on your cloud dashboard.

URL : `http://localhost:8886/submitTelemetry`

Method : `POST`

Auth required : NO

Data constraints

`uid` value should be a unique UUID per device or object. These can be generated at: https://www.uuidgenerator.net/version4

> **Note**
>
> You may use the value "self" for the `uid` which will inherit the uid, type, and name that agent is already using for system telemetry

`type` value will drive how the device is categorized on the cloud dashboard (Only needed when not using "self")

`name` value is what the friendly name of the device will be on the cloud dashboard (Only needed when not using "self")

`telemetry` value is a list that can be a single object or multiple objects. Each object must contain 3 "categories" that are used to assemble the telemetry key

Each `telemetry` list object needs to have a `primaryCategory`, `secondaryCategory`, and `tertiaryCategory` specified or you will receive a malformed JSON response

```
{
  "xconnect": {
    "uid": "[unique UID per device or object]",
    "type": "[Device or Asset Type]",
    "name": "[Device Name that is human friendly]",
    "telemetry": [
      {
        "primaryCategory": "[First Value of Telemetry Key]",
        "secondaryCategory": "[Second Value of Telemetry Key]",
        "tertiaryCategory": "[Third Value of Telemetry Key]",
        "value": "[TelemetryValue]"
```

```
      }
    ]
  }
}
```

Data example

```
{
  "xconnect": {
    "uid": "2bf2aa37-fb9c-460b-8f49-5d671017bec4",
    "type": "Display",
    "name": "Device1234567",
    "telemetry": [
      {
        "primaryCategory": "Display",
        "secondaryCategory": "Model1234",
        "tertiaryCategory": "Resolution",
        "value": "1920x1080"
      },
      {
        "primaryCategory": "Display",
        "secondaryCategory": "Model1234",
        "tertiaryCategory": "Power State",
        "value": "Standby"
      }
    ]
  }
}
```

Success Response

Code : `201 OK`