



# 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": null,
    "SensorFullKey": "Network_NIC1_MaxLinkSpeed",
    "DataType": "Integer",
    "LatestValue": "492",
    "LocalSensorThreshold": null,
    "LocalStrictOperator": null,
    "DashboardEnabled": null,
    "GaugeEnabled": null
  },
  ... repeated list of arrays for all sensors
]
```

**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 3<sup>rd</sup> 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