

AgileWeb API REST Services

AgileWeb hosts two sets of API endpoints. There is a set of public-facing endpoints for AQI and Forecast data. There is another set of query endpoints which require authorization.

URL Information

For AgileWeb, the base URL is the AgileWeb URL, followed by /api/.

Example Base URL: <http://localhost/AirVision/api/>

Each endpoint is relative to that (except for the token endpoint). For example:
<http://localhost/AirVision/api/AverageData>

Throughout this document “localhost” is shown in the examples, but this would be changed to the name, IP address, or DNS name of the hosting server. Further, “http” protocol is shown here, but in practice “https” would generally be recommended for public facing services.

AgileWeb REST API

Public REST API

AgileWeb hosts a set of public API functions, which do not require authentication. These operate on the sites as configured for web display (in the Web Display Info Editor). These functions utilize the same data as shown on the AgileWeb map pages, and are affected by the web settings which drive those pages regarding which sites, parameters, AQI programs, and other elements are displayed. (see the AgileWeb configuration settings documentation for more information).

Forecast

GET forecast for all configured sites:

<http://localhost/AirVision/api/forecast>

GET specific forecast for a site using the site’s unique identifier GUID:

<http://localhost/AirVision/api/forecast/ff26f5d4-22a4-4572-bd66-ab28c7127dd4>

AQI

GET AQI for all configured sites:

<http://localhost/AirVision/api/aqi>

Optionally, the dt parameter can be used to request a specific datetime:

<http://localhost/AirVision/api/aqi?dt=2019-03-26T00:00:00>

GET AQI for specific site using the unique identifier GUID

<http://localhost/AirVision/api/aqi/ff26f5d4-22a4-4572-bd66-ab28c7127dd4>

Optionally, the dt parameter can be used to request a specific datetime:

<http://localhost/AirVision/api/aqi/ff26f5d4-22a4-4572-bd66-ab28c7127dd4?dt=2019-03-26T00:00:00>

GET AQI for location using latitude and longitude using “lat” and “lon” parameters.

<http://localhost/AirVision/api/aqi?lat=36.105982&lon=-83.855652>

NOTE the search radius is configured via the web utility setting with key `AqiController_RadiusMeters`, specified in meters, or can be overridden in the request using the radius parameter

<http://localhost/AirVision.Web.Site/api/aqi?lat=35&lon=-84&radius=200000>

Optionally, the dt parameter can be used to request a specific datetime:

<http://localhost/AirVision/api/aqi?lat=36.105982&lon=-83.855652&dt=2019-03-26T00:00:00>

AQI For Mobile Application

For the mobile application, there is an endpoint which combines several of these results into a single result, which can be used instead of separate calls. It can be invoked by GET or POST methods. The GET method accepts URL parameters. The POST method accepts parameters within the body.

GET AirQualityApp

<http://localhost/AirVision/api/AirQualityApp?latitude=35&longitude=-84&includeForecast=true&includeHistory=true>

POST AirQualityApp

<http://localhost/AirVision/api/AirQualityApp>

Body:

```
{
  "Latitude": "24.525",
  "Longitude": "39.569",
  "IncludeHistory": true,
  "IncludeForecast": true,
```

```
"ClientInfo": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/83.0.4103.116 Safari/537.36"
}
```

Response Example:

```
{
  "AirQualityResult": {
    "AqiValue": 44,
    "SiteName": "Randville-site",
    "SiteTimeZone": "EST",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "AqiLevelName": "Good",
    "AqiDateTime": "2020-07-01T08:00:00",
    "PrimaryResponsiblePollutant": "SO2",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 29.846,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "AqiResults": [
      {
        "SiteName": "Randville-site",
        "SiteLatitude": 36.105982,
        "SiteLongitude": -83.855652,
        "AqiDateTime": "2020-07-01T08:00:00",
        "AqiValue": 44,
        "AqiLevelName": "Good",
        "PrimaryResponsiblePollutant": "PM 2.5 (LC)",
        "Message": "Good - Responsible Pollutant: PM 2.5 (LC) (29.7 UG/M3-Unit) ",
        "PrimaryResponsiblePollutantConcentration": 29.7,
        "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
        "PrimaryResponsibleProgram": "PM2.5 Hour"
      },
      {
        "SiteName": "Randville-site",
        "SiteLatitude": 36.105982,
        "SiteLongitude": -83.855652,
        "AqiDateTime": "2020-07-01T08:00:00",
        "AqiValue": 44,
        "AqiLevelName": "Good",
        "PrimaryResponsiblePollutant": "SO2",
        "Message": "Good - Responsible Pollutant: SO2 (29.846 PPM-Unit) ",
        "PrimaryResponsiblePollutantConcentration": 29.846,
        "PrimaryResponsiblePollutantUnit": "PPM-Unit",
        "PrimaryResponsibleProgram": "SO2"
      },
      {
        "SiteName": "Randville-site",
        "SiteLatitude": 36.105982,
        "SiteLongitude": -83.855652,
        "AqiDateTime": "2020-07-01T08:00:00",
        "AqiValue": 42,
        "AqiLevelName": "Good",

```

```

    "PrimaryResponsiblePollutant": "Carbon Monoxide (CO)",
    "Message": "Good - Responsible Pollutant: Carbon Monoxide (CO) (3.7 PPM-Unit) ",
    "PrimaryResponsiblePollutantConcentration": 3.7,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide"
  },
  {
    "SiteName": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "AqiDateTime": "2020-07-01T08:00:00",
    "AqiValue": 42,
    "AqiLevelName": "Good",
    "PrimaryResponsiblePollutant": "OZONE_PPB",
    "Message": "Good - Responsible Pollutant: OZONE_PPB (50 PPB-Unit) ",
    "PrimaryResponsiblePollutantConcentration": 50.0,
    "PrimaryResponsiblePollutantUnit": "PPB-Unit",
    "PrimaryResponsibleProgram": "Ozone PPB (8 hour)"
  },
  {
    "SiteName": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "AqiDateTime": "2020-07-01T08:00:00",
    "AqiValue": 42,
    "AqiLevelName": "Good",
    "PrimaryResponsiblePollutant": "OZONE-Parm",
    "Message": "Good - Responsible Pollutant: OZONE-Parm (0.05 PPM-Unit) ",
    "PrimaryResponsiblePollutantConcentration": 0.05,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Ozone-Program"
  }
],
"ForecastResults": [
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ForecastDate": "2020-07-01T00:00:00",
    "IssuedDate": "2020-07-01T09:51:56.363",
    "AqiValue": 50,
    "AqiLevelName": "Good",
    "PrimaryResponsiblePollutant": "Carbon Monoxide (CO)",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 4.80014272556055,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",

```

```
"ReportingArea": "Randville-site",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ForecastDate": "2020-07-01T00:00:00",
"IssuedDate": "2020-07-01T09:51:56.363",
"AqiValue": 50,
"AqiLevelName": "Good",
"PrimaryResponsiblePollutant": "CO",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 3.5874853318684266,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "Carbon Monoxide",
"ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-01T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.363",
  "AqiValue": 50,
  "AqiLevelName": "Good",
  "PrimaryResponsiblePollutant": "CO_8hr",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 3.3616446165406275,
  "PrimaryResponsiblePollutantUnit": "PPM-Unit",
  "PrimaryResponsibleProgram": "Carbon Monoxide",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-01T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.367",
  "AqiValue": 50,
  "AqiLevelName": "Good",
  "PrimaryResponsiblePollutant": "OZONE_PPB",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 59.750098382478072,
  "PrimaryResponsiblePollutantUnit": "PPB-Unit",
  "PrimaryResponsibleProgram": "Ozone 1 Hour",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
```

```
"ForecastDate": "2020-07-01T00:00:00",
"IssuedDate": "2020-07-01T09:51:56.367",
"AqiValue": 50,
"AqiLevelName": "Good",
"PrimaryResponsiblePollutant": "OZONE_SAMPLE",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 0.047177897813673049,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "Ozone-Program",
"ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-01T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.363",
  "AqiValue": 50,
  "AqiLevelName": "Good",
  "PrimaryResponsiblePollutant": "OZONE-Parm",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 0.060166129188898167,
  "PrimaryResponsiblePollutantUnit": "PPM-Unit",
  "PrimaryResponsibleProgram": "Ozone-Program",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-01T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.37",
  "AqiValue": 50,
  "AqiLevelName": "Good",
  "PrimaryResponsiblePollutant": "PM 2.5 (LC)",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 29.782251289883543,
  "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
  "PrimaryResponsibleProgram": "PM2.5 Hour",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-01T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.37",
  "AqiValue": 50,
```

```
    "AqiLevelName": "Good",
    "PrimaryResponsiblePollutant": "PM2.5",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 35.75977202389965,
    "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
    "PrimaryResponsibleProgram": "PM2.5",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
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    "IssuedDate": "2020-07-01T09:51:56.373",
    "AqiValue": 50,
    "AqiLevelName": "Good",
    "PrimaryResponsiblePollutant": "SO2",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 30.28491120230121,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "SO2",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ForecastDate": "2020-07-02T00:00:00",
    "IssuedDate": "2020-07-01T09:51:56.43",
    "AqiValue": 100,
    "AqiLevelName": "Moderate",
    "PrimaryResponsiblePollutant": "Carbon Monoxide (CO)",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 8.9594282417856288,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ForecastDate": "2020-07-02T00:00:00",
    "IssuedDate": "2020-07-01T09:51:56.43",
    "AqiValue": 100,
    "AqiLevelName": "Moderate",
    "PrimaryResponsiblePollutant": "CO",
    "Message": "Data provided by Randville-site",
```

```
    "PrimaryResponsiblePollutantConcentration": 10.103656837734787,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ForecastDate": "2020-07-02T00:00:00",
    "IssuedDate": "2020-07-01T09:51:56.43",
    "AqiValue": 100,
    "AqiLevelName": "Moderate",
    "PrimaryResponsiblePollutant": "CO_8hr",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 10.555661964088646,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ForecastDate": "2020-07-02T00:00:00",
    "IssuedDate": "2020-07-01T09:51:56.433",
    "AqiValue": 100,
    "AqiLevelName": "Moderate",
    "PrimaryResponsiblePollutant": "OZONE_PPB",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 75.136261674558867,
    "PrimaryResponsiblePollutantUnit": "PPB-Unit",
    "PrimaryResponsibleProgram": "Ozone 1 Hour",
    "ActionDay": false
  },
  {
    "SiteName": "Randville-site",
    "StateCode": "TN",
    "ReportingArea": "Randville-site",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ForecastDate": "2020-07-02T00:00:00",
    "IssuedDate": "2020-07-01T09:51:56.433",
    "AqiValue": 100,
    "AqiLevelName": "Moderate",
    "PrimaryResponsiblePollutant": "OZONE_SAMPLE",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 0.0799540577747221,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "Ozone-Program",
```



```
"ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-02T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.43",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "OZONE-Parm",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 0.091022782824163123,
  "PrimaryResponsiblePollutantUnit": "PPM-Unit",
  "PrimaryResponsibleProgram": "Ozone-Program",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-02T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.437",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "PM 2.5 (LC)",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 42.749147774409586,
  "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
  "PrimaryResponsibleProgram": "PM2.5 Hour",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-02T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.437",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "PM2.5",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 36.467205553306741,
  "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
  "PrimaryResponsibleProgram": "PM2.5",
  "ActionDay": false
},
{
```

```
"SiteName": "Randville-site",
"StateCode": "TN",
"ReportingArea": "Randville-site",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ForecastDate": "2020-07-02T00:00:00",
"IssuedDate": "2020-07-01T09:51:56.44",
"AqiValue": 100,
"AqiLevelName": "Moderate",
"PrimaryResponsiblePollutant": "SO2",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 154.58790303716279,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "SO2",
"ActionDay": false
},
{
"SiteName": "Randville-site",
"StateCode": "TN",
"ReportingArea": "Randville-site",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ForecastDate": "2020-07-03T00:00:00",
"IssuedDate": "2020-07-01T09:51:56.43",
"AqiValue": 100,
"AqiLevelName": "Moderate",
"PrimaryResponsiblePollutant": "Carbon Monoxide (CO)",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 8.2526208310353883,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "Carbon Monoxide",
"ActionDay": false
},
{
"SiteName": "Randville-site",
"StateCode": "TN",
"ReportingArea": "Randville-site",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ForecastDate": "2020-07-03T00:00:00",
"IssuedDate": "2020-07-01T09:51:56.43",
"AqiValue": 100,
"AqiLevelName": "Moderate",
"PrimaryResponsiblePollutant": "CO",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 8.41056381665985,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "Carbon Monoxide",
"ActionDay": false
},
{
"SiteName": "Randville-site",
"StateCode": "TN",
"ReportingArea": "Randville-site",
```

```
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ForecastDate": "2020-07-03T00:00:00",
"IssuedDate": "2020-07-01T09:51:56.43",
"AqiValue": 100,
"AqiLevelName": "Moderate",
"PrimaryResponsiblePollutant": "CO_8hr",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 11.501525766337251,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "Carbon Monoxide",
"ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-03T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.433",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "OZONE_PPB",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 77.063853150835,
  "PrimaryResponsiblePollutantUnit": "PPB-Unit",
  "PrimaryResponsibleProgram": "Ozone 1 Hour",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-03T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.433",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "OZONE_SAMPLE",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 0.0750026255660421,
  "PrimaryResponsiblePollutantUnit": "PPM-Unit",
  "PrimaryResponsibleProgram": "Ozone-Program",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-03T00:00:00",
```

```
"IssuedDate": "2020-07-01T09:51:56.433",
"AqiValue": 100,
"AqiLevelName": "Moderate",
"PrimaryResponsiblePollutant": "OZONE-Parm",
"Message": "Data provided by Randville-site",
"PrimaryResponsiblePollutantConcentration": 0.089661672894459254,
"PrimaryResponsiblePollutantUnit": "PPM-Unit",
"PrimaryResponsibleProgram": "Ozone-Program",
"ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-03T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.437",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "PM 2.5 (LC)",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 28.296587530818076,
  "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
  "PrimaryResponsibleProgram": "PM2.5 Hour",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-03T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.437",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
  "PrimaryResponsiblePollutant": "PM2.5",
  "Message": "Data provided by Randville-site",
  "PrimaryResponsiblePollutantConcentration": 31.16168927854612,
  "PrimaryResponsiblePollutantUnit": "UG/M3-Unit",
  "PrimaryResponsibleProgram": "PM2.5",
  "ActionDay": false
},
{
  "SiteName": "Randville-site",
  "StateCode": "TN",
  "ReportingArea": "Randville-site",
  "SiteLatitude": 36.105982,
  "SiteLongitude": -83.855652,
  "ForecastDate": "2020-07-03T00:00:00",
  "IssuedDate": "2020-07-01T09:51:56.44",
  "AqiValue": 100,
  "AqiLevelName": "Moderate",
```

```
    "PrimaryResponsiblePollutant": "SO2",
    "Message": "Data provided by Randville-site",
    "PrimaryResponsiblePollutantConcentration": 142.86176656212379,
    "PrimaryResponsiblePollutantUnit": "PPM-Unit",
    "PrimaryResponsibleProgram": "SO2",
    "ActionDay": false
  }
],
"FoundSiteWithinRange": true,
"FoundSiteRecentData": true,
"HistoryResults": [
  {
    "AqiDateTime": "2020-07-01T04:00:00",
    "DataTimeUTC": "2020-07-01T08:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPB-Unit",
    "PrimaryResponsibleProgram": "Ozone 1 Hour",
    "Unit": "PPB-Unit",
    "AqiValue": 53,
    "ConcentrationValue": 52.5,
    "Category": 2
  },
  {
    "AqiDateTime": "2020-07-01T04:00:00",
    "DataTimeUTC": "2020-07-01T08:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "Ozone-Program",
    "Unit": "PPM-Unit",
    "AqiValue": 48,
    "ConcentrationValue": 0.057,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T04:00:00",
    "DataTimeUTC": "2020-07-01T08:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPB-Unit",
    "PrimaryResponsibleProgram": "Ozone PPB (8 hour)",
    "Unit": "PPB-Unit",
    "AqiValue": 44,
    "ConcentrationValue": 52.3,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T04:00:00",
    "DataTimeUTC": "2020-07-01T08:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "UG/M3-Unit",
    "PrimaryResponsibleProgram": "PM2.5 Hour",
```

```
    "Unit": "UG/M3-Unit",
    "AqiValue": 44,
    "ConcentrationValue": 29.7,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T04:00:00",
    "DataTimeUTC": "2020-07-01T08:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "SO2",
    "Unit": "PPM-Unit",
    "AqiValue": 44,
    "ConcentrationValue": 30.088,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T04:00:00",
    "DataTimeUTC": "2020-07-01T08:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide",
    "Unit": "PPM-Unit",
    "AqiValue": 41,
    "ConcentrationValue": 3.6,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T05:00:00",
    "DataTimeUTC": "2020-07-01T09:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPB-Unit",
    "PrimaryResponsibleProgram": "Ozone 1 Hour",
    "Unit": "PPB-Unit",
    "AqiValue": 57,
    "ConcentrationValue": 55.9,
    "Category": 2
  },
  {
    "AqiDateTime": "2020-07-01T05:00:00",
    "DataTimeUTC": "2020-07-01T09:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "Ozone-Program",
    "Unit": "PPM-Unit",
    "AqiValue": 48,
    "ConcentrationValue": 0.057,
    "Category": 1
  },
  {
```

```
"AqiDateTime": "2020-07-01T05:00:00",
"DataTimeUTC": "2020-07-01T09:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPB-Unit",
"PrimaryResponsibleProgram": "Ozone PPB (8 hour)",
"Unit": "PPB-Unit",
"AqiValue": 44,
"ConcentrationValue": 52.5,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T05:00:00",
"DataTimeUTC": "2020-07-01T09:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "UG/M3-Unit",
"PrimaryResponsibleProgram": "PM2.5 Hour",
"Unit": "UG/M3-Unit",
"AqiValue": 44,
"ConcentrationValue": 29.8,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T05:00:00",
"DataTimeUTC": "2020-07-01T09:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPM-Unit",
"PrimaryResponsibleProgram": "SO2",
"Unit": "PPM-Unit",
"AqiValue": 44,
"ConcentrationValue": 30.155,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T05:00:00",
"DataTimeUTC": "2020-07-01T09:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPM-Unit",
"PrimaryResponsibleProgram": "Carbon Monoxide",
"Unit": "PPM-Unit",
"AqiValue": 41,
"ConcentrationValue": 3.6,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T06:00:00",
"DataTimeUTC": "2020-07-01T10:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPB-Unit",
"PrimaryResponsibleProgram": "Ozone 1 Hour",
```

```
    "Unit": "PPB-Unit",
    "AqiValue": 60,
    "ConcentrationValue": 59.0,
    "Category": 2
  },
  {
    "AqiDateTime": "2020-07-01T06:00:00",
    "DataTimeUTC": "2020-07-01T10:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPB-Unit",
    "PrimaryResponsibleProgram": "Ozone PPB (8 hour)",
    "Unit": "PPB-Unit",
    "AqiValue": 44,
    "ConcentrationValue": 52.5,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T06:00:00",
    "DataTimeUTC": "2020-07-01T10:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "UG/M3-Unit",
    "PrimaryResponsibleProgram": "PM2.5 Hour",
    "Unit": "UG/M3-Unit",
    "AqiValue": 44,
    "ConcentrationValue": 29.6,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T06:00:00",
    "DataTimeUTC": "2020-07-01T10:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "SO2",
    "Unit": "PPM-Unit",
    "AqiValue": 44,
    "ConcentrationValue": 30.092,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T06:00:00",
    "DataTimeUTC": "2020-07-01T10:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "Carbon Monoxide",
    "Unit": "PPM-Unit",
    "AqiValue": 42,
    "ConcentrationValue": 3.7,
    "Category": 1
  },
  {
```



```
"AqiDateTime": "2020-07-01T06:00:00",
"DataTimeUTC": "2020-07-01T10:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPM-Unit",
"PrimaryResponsibleProgram": "Ozone-Program",
"Unit": "PPM-Unit",
"AqiValue": 42,
"ConcentrationValue": 0.049,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T07:00:00",
"DataTimeUTC": "2020-07-01T11:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPB-Unit",
"PrimaryResponsibleProgram": "Ozone 1 Hour",
"Unit": "PPB-Unit",
"AqiValue": 52,
"ConcentrationValue": 51.6,
"Category": 2
},
{
"AqiDateTime": "2020-07-01T07:00:00",
"DataTimeUTC": "2020-07-01T11:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPM-Unit",
"PrimaryResponsibleProgram": "Carbon Monoxide",
"Unit": "PPM-Unit",
"AqiValue": 43,
"ConcentrationValue": 3.8,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T07:00:00",
"DataTimeUTC": "2020-07-01T11:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "PPB-Unit",
"PrimaryResponsibleProgram": "Ozone PPB (8 hour)",
"Unit": "PPB-Unit",
"AqiValue": 43,
"ConcentrationValue": 50.8,
"Category": 1
},
{
"AqiDateTime": "2020-07-01T07:00:00",
"DataTimeUTC": "2020-07-01T11:00:00",
"SiteLatitude": 36.105982,
"SiteLongitude": -83.855652,
"ParameterName": "UG/M3-Unit",
"PrimaryResponsibleProgram": "PM2.5 Hour",
```

```

    "Unit": "UG/M3-Unit",
    "AqiValue": 43,
    "ConcentrationValue": 29.5,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T07:00:00",
    "DataTimeUTC": "2020-07-01T11:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "SO2",
    "Unit": "PPM-Unit",
    "AqiValue": 43,
    "ConcentrationValue": 29.206,
    "Category": 1
  },
  {
    "AqiDateTime": "2020-07-01T07:00:00",
    "DataTimeUTC": "2020-07-01T11:00:00",
    "SiteLatitude": 36.105982,
    "SiteLongitude": -83.855652,
    "ParameterName": "PPM-Unit",
    "PrimaryResponsibleProgram": "Ozone-Program",
    "Unit": "PPM-Unit",
    "AqiValue": 41,
    "ConcentrationValue": 0.048,
    "Category": 1
  }
]
},
"Version": "2020.06.29.1"
}

```

Protected REST API for AVServer and AgileWeb

This section applies to both the AVServer and the AgileWeb (protected) API.

Security Considerations

The following REST API endpoints support the AirVision site-based security model. Generally, the customer should consider creating specific AirVision user accounts with limited access to provide to 3rd party callers of the REST API.

Authentication

The API supports two types of authentication methods: **bearer tokens** and **API keys**. The organization administrator can decide which type of access to recommend to calling applications.

Bearer Tokens (approach 1)

This is a two-step approach which requires the user to first obtain a token by issuing a POST request with username and password to the /token endpoint. The token is then added to the header of subsequent requests to gain access to the API functions. The token is generally good for up to 2 weeks, but may be invalidated sooner. It is recommended to obtain a token at the beginning of each session.

Obtaining the token

Method: POST

URL: http://localhost:9888/token

Or http://localhost/AirVision/token

(Note the token endpoint is the only one which does not include the “/api” segment)

Headers:

```
Content-Type: application/x-www-form-urlencoded
```

Request Body (x-www-form-urlencoded) should look like the following example:

```
grant_type:password
username:william
password:AXlycm1zaw9u0le1NGd1dA==
encoded:true
```

The password may be either base 64 encoded or plain text (by default, AV will try to determine if it's encoded or not, but this can be explicit if the encoded:true or encoded:false parameter is set). This is shown using the “william” user but should be changed to use another username/password as configured by the customer. The grant_type value must be the text ‘password’, not the user password.

The response looks like:

```
{"access_token": "AQBAANCMnd8BFdERjHoAwE_C1-
sBAAAazJlvRrsfyk2oF9WwXTmnCAAAAAACAAAAAADZgAAwAAAABAAAAC80Z8RACbIf960IHTcDdoUAAAAAS
AAACgAAAAEAAAAJk5Tj1Un46JCM1YGRWqrqg4AQAAvSaf6v6H-V0k7vXi2Wq-
Qndf2yUM_p6NhcYf1kPTZcyzXZUGh_tHT8Fw13cwjkGux03lXhMxf_3qQQEQqneigCMB7_9SiwG-
cQMXmh4tiuIuKsjsVEYS0XLpe16sYmXSmVOu9eYkUfi1JxbBANc1rwVDxCgQn5YSZPIS032ESUnD2wjmEKoWYO
A1MnFAY8RBBmPPJQrt8FR4fYv9yFCr5bRZ_pM3T1X-
YnWgPIyqnCpIC37oi09I7xEq56FThh4NbWUOKHXnWbFY2Ym2G4iQXr7eDt-
JulzQzwyrb_sBX6K7cVfIUvz5ZwdLZ9kgLUth3SF_dSYvC0Sx9KkZOagmnejRIUrPMJNhuFZAPsmbLY0DWQ0z
_hl6dA600mfdTyw3WiSpd6XdSGnPb2z0iV0muumjxOz_n-
dXFAAAAPmjcti3G1DfQkRg_Xn5gXHPq3KT", "token_type": "bearer", "expires_in": 1209599}
```

The **access_token** value should be retained by the caller and included as a Bearer token on subsequent requests.

Using the token

On subsequent API requests, use the token by adding it to the Authorization header with the “bearer” prefix.

Header example:

```
Authorization: bearer AQBAANCMnd8BFdERjHoAwE_C1-
sBAAAazJlvRrsfyk2oF9WwXTmnCAAAAAACAAAAAADZgAAwAAAABAAAAC80Z8RACbIf960IHTcDdoUAAAAAS
AAACgAAAAEAAAAJk5Tj1Un46JCM1YGRWqrqg4AQAAvSaf6v6H-V0k7vXi2Wq-
```

```
Qndf2yUM_p6NhcYf1kPTZcyzXZUGh_tHT8Fw13cwjkGux031xhMxf_3qQQEQqneigCMB7_9SiwG-  
cQMxmh4tiuIuKsjVEYS0XLpel6sYmXSmV0u9eYkUfi1JxbBANc1rWVDxCgQn5YSZPIs032ESUnD2wjmEKoWYO  
A1MnFAY8RBBmPPJQrt8FR4fYv9yFCr5bRZ_pM3T1X-  
YnWgPIyqnCpIC37oi09I7xEq56FThh4NbWUOKHXnWbFY2Ym2G4iQXr7eDt-  
JulzQzwyrb_sBX6K7cVfIUVz5ZwdLZ9kgLUth3SF_dSYvC0Sx9KkZOagmnejRIUrPMJNhuFZAPsmbLY0DWQ0z  
_h16dA600mfdTyw3WiSpd6XdSGnPb2z0iV0muumjxOz_n-dXFAAAAPmjcti3G1dfqkRg_Xn5gXHPq3KT
```

API Key (approach 2)

If the organization admin chooses, the authorization process can be simplified. The admin can create one or more API Keys to be used by callers. The API keys get mapped to user accounts within AirVision. The calling application can simply include the API key in the request Header or URL to gain access.

The admin can manage API Keys in the API Key Editor within AirVision.

NOTE: *The API keys are never stored within the database. The key is shown **once** upon creation, and **only the cryptographically hashed value is stored**. This means the API key is not retrievable after it has been created, but the hash can be used to verify the key when it is used from a calling application. The admin must copy and/or write down the API key and securely give it to the 3rd party caller of the API.*

The API keys are mapped to usernames within AirVision. These users can be added to groups and given site-specific security data access permissions to read only certain sites, if desired. It is recommended for the admin to create a user account for each 3rd party using the API, and create an API key for each.

Using the API Key

With an API Key approach, the key can be sent in two ways: the URL or the Header.

Header Approach:

Method: GET

URL: `http://localhost:9888/api/AverageData`

Header:

```
APIKEY: 1b172766-2745-4621-a995-36508c04a817
```

URL Approach:

Method: GET

URL: `http://localhost:9888/api/AverageData?apikey=1b172766-2745-4621-a995-36508c04a817`

Available REST endpoints

Full Table GET (read-only): **System, SourceSite, SourceParameter, ReadingAverageInterval, Source, Logger, Instrument, Executive, SniChannelState, SniCalibrationStatus, LogDigitalLineState**

Table GET (read only): **UtilityJournalMessage** – returns the most recent 100 journal messages.

View GET (read only): **SystemConfigurationFull, SiteConfigurationFull, ParameterConfigurationFull, MostRecentTagReading, SniChannelStateInformation, SniCalibrationStatusInformation, LogDigitalLineStateInformation**

Data Query GET (read only): **AverageData, SampleData** – these return subsets of the ReadingAverageDataFull and ReadingSampleDataFull views, based on query parameters discussed elsewhere in this document.

Output Format

The API supports JSON and CSV output formats. This is controlled via a request header “Accept”. Set the value to either “text/csv” or “text/json”. If omitted, JSON is the default.

```
Accept:text/json
```

or

```
Accept:text/csv
```

Note that the JSON formatter may omit empty/null values, whereas the CSV formatter always includes all columns.

Table and View-based API endpoints

The selected tables and views in the AVData database are represented as API endpoints. These may be used in two ways, GET ALL, and GET by ID. These endpoints return the data as defined in the table or view definition.

To GET ALL, use the table/view name in the URL such as:

```
http://localhost:9888/api/ParameterConfigurationFull
```

To GET by ID, append a slash (/) and the GUID of the item you wish to retrieve, such as:

```
http://localhost:9888/api/ParameterConfigurationFull/15ef35a9-f5ae-e911-9755-00155ddb9f9ce
```

Average Data API

The **AverageData** endpoint has several arguments to filter the result.

- sites (string, optional, comma-separated list of site names)
- parameters (string, optional, comma-separated list of parameter names)
- readingaveragedatagids (optional, comma-separated list of tag GUIDs)
- interval (string, optional, defaults to 001h. Leading zeros required as shown in AirVision)
- start (date/time, in format YYYY-MM-ddTHH:mm:ss, defaults to TODAY at 00:00:00)
- end (date/time, in format YYYY-MM-ddTHH:mm:ss, defaults to TODAY at 11:59:59)

There is a cap of 10,000 total records allowed in the result set. If no arguments are used, all sites, all parameters, 001h interval data for TODAY is returned. Note that malformed date/time arguments are generally ignored, leaving the default values.

Note that some of the arguments may conflict. For example, if you specify tag IDs, that implies intervals since tag is configured for a specific interval, so in this case that overrides the interval argument.

Average Data returns the following fields:

- ReadingAverageDataId
- Date
- SystemStandardizedDate
- SystemName
- SiteName
- ParameterName
- ReportedUnitName
- IntervalName
- IsValid
- ReportValue
- FinalValue
- RawValue
- RawLoggerFlags
- HighestFlag
- AqsDurationCode
- SiteTimeZoneOffset
- SiteTimeZoneAbbreviation
- Latitude
- Longitude
- AqsSiteCode
- ParameterDescription
- DataTypeKey
- AqsParameterCode
- AqsUnitCode
- ParameterTemplateName
- ParameterTemplateKey
- NullCode
- NullCodeDescription
- QualifierCodes
- ReadingAverageDataTagId
- FlagString

The JSON format may omit null/empty fields, whereas CSV format includes all columns. The list of columns is subject to change in future versions.

Examples

Get all 1h average data for today:

<http://localhost/AirVision.Web.Site/api/averagedata>

Get average data using site names, parameter names, interval, and time range:

<http://localhost/AirVision.Web.Site/api/averagedata?sites=SiteA,SiteB¶meters=OZONE,PM25&interval=001h&start=2019-10-01T00:00:00&end=2019-10-02T23:59:59>

Sample Data API

The **SampleData** endpoint has several arguments to filter the result.

- sites (string, optional, comma-separated list of site names)
- parameters (string, optional, comma-separated list of parameter names)
- readingaveragedatagids (optional, comma-separated list of tag GUIDs)
- interval (string, optional, defaults to any sample data interval)
- start (date/time, in format YYYY-MM-ddTHH:mm:ss, defaults to TODAY at 00:00:00)
- end (date/time, in format YYYY-MM-ddTHH:mm:ss, defaults to TODAY at 11:59:59)

There is a cap of 10,000 total records allowed in the result set. If no arguments are used, all sites, all parameters, 001h interval data for TODAY is returned. Note that malformed date/time arguments are generally ignored, leaving the default values.

Note that some of the arguments may conflict. For example, if you specify tag IDs, that implies intervals since tag is configured for a specific interval, so in this case that overrides the interval argument.

Sample Data returns the following fields:

- ReadingSampleDataId
- Date
- SystemStandardizedDate
- SampleTime
- SystemName
- SiteName
- ParameterName
- ReportedUnitName
- IntervalName
- IsValid
- ReportValue
- SampleValue
- FinalValue
- RawValue
- RawLoggerFlags
- HighestFlag
- DurationCode
- SiteTimeZoneOffset
- SiteTimeZoneAbbreviation
- Latitude
- Longitude
- AqsSiteCode

- ParameterDescription
- DataTypeKey
- AqsParameterCode
- AqsUnitCode
- ParameterTemplateName
- ParameterTemplateKey
- NullCode
- NullCodeDescription
- QualifierCodes
- ReadingAverageDataTagId
- UncertaintyValue
- SampleIdentifier
- ExcludeFromReporting
- AmbAqsBlankTypeId
- BlankTypeCode
- BlankTypeDescription
- AmbAqsFrequencyCodeId
- FrequencyDescription
- CollectionFrequencyCode
- CreditableSample
- ScheduledSample
- MinimumDetectableLimit
- MinimumDetectableLimit_Sample
- CanisterIdentifier
- SampleEndTime
- SampleRetrievedTime
- SampleAnalysisTime
- TareWeight
- FinalWeight
- SampleBarometricPress
- SampleAmbientTemp
- SampleTotalFlow
- RetentionTime
- PeakArea
- FlagString

The JSON format may omit null/empty fields, whereas CSV format includes all columns. The list of columns is subject to change in future versions.

Examples

Get all sample data for today:

<http://localhost/AirVision.Web.Site/api/sampledata>

Get sample data using site names, parameter names, and time range:

<http://localhost/AirVision.Web.Site/api/sampledata?sites=SiteA,SiteB¶meters=OZONE,PM25&start=2019-10-01T00:00:00&end=2019-10-02T23:59:59>