

# Ushahidi 3.x API Posts GeoJSON

Posts GeoJSON Api returns Posts in GeoJSON format. The API accepts the same params as the standard Posts API, but is read-only and only accepts GET requests.

- GET posts
  - Bounding Box Search Example
  - Specific 'geometry\_attribute' Example
- GET posts/id
- GET posts/geojson/:z/:x/:y

## GET posts

Listing all posts

METHOD: GET

ENDPOINT: /api/v2/posts/geojson

AUTHENTICATED: No

### Query Parameters

Name	Type	Description
q	Optional	Only Posts containing this search string will be returned, matched against post title and content
type	Optional	Only posts of this type will be returned: report, revision, comment or alert
locale	Optional	Only posts with matching locale will be returned
slug	Optional	Only posts with a matching slug will be returned
form_id	Optional	Only posts with this form_id will be returned
user_id	Optional	Only posts created by this user_id will be returned
created_before	Optional	Returned posts will have a created date smaller than this date
created_after	Optional	Returned posts will have a created date greater than this date
updated_before	Optional	Returned posts will have an updated date smaller than this date
updated_after	Optional	Returned posts will have an updated date greater than this date
bbox	Optional	Returned posts will have a point attribute within the specified bounding box. bbox expects lat lon values as follows: west,north,east,south
geometry_attribute	Optional	Returned GeoJSON will only include geometries for the specified attribute

order	Optional	Returned posts will be sorted in this order: ASC or DESC. Default: DESC
order_by	Optional	Returned posts will be sorted by this field. Default: created
limit	Optional	Limit number of results returned. Default: 50. Max: 500
offset	Optional	Posts returned will be offset by this number of results

#### Example Request

GET <https://ushv3.dev/api/v2/posts/geojson>

#### Response

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "GeometryCollection",
        "geometries": [
          {
            "type": "Point",
            "coordinates": [12.123, 21.213]
          },
          {
            "type": "MultiPolygon",
            "coordinates": [
              [
                [
                  [40, 40],
                  [20, 45],
                  [45, 30],
                  [40, 40]
                ]
              ],
              [
                [
                  [20, 35],
                  [45, 20],
                  [30, 5],
                  [10, 10],
                  [10, 30],
                  [20, 35]
                ]
              ],
              [
                [
                  [30, 20],
                  [20, 25],
                  [20, 15],
                  [30, 20]
                ]
              ]
            ]
          }
        ]
      }
    }
  ]
}
```

```
"properties": {
  "title": "Test post",
  "description": "Testing post",
  "id": "1",
  "url": "http://ushv3.dev/api/v2/posts/1"
}
], {
  "type": "Feature",
  "geometry": {
    "type": "GeometryCollection",
    "geometries": [
      {
        "type": "Point",
        "coordinates": [1, 1]
      }, {
        "type": "Point",
        "coordinates": [1.2, 0.5]
      }
    ]
  },
  "properties": {
    "title": "OAuth test post",
    "description": "Testing oauth posts api access",
    "id": "95",
    "url": "http://ushv3.dev/api/v2/posts/95"
  }
}, {
  "type": "Feature",
  "geometry": {
    "type": "Point",
    "coordinates": [1, 1]
  },
  "properties": {
    "title": "search by attribute",
    "description": "Some description",
    "id": "97",
    "url": "http://ushv3.dev/api/v2/posts/97"
  }
}, {
  "type": "Feature",
  "geometry": {
    "type": "Point",
    "coordinates": [10.123, 26.213]
  },
  "properties": {
    "title": "another report",
    "description": "Some description",
    "id": "98",
    "url": "http://ushv3.dev/api/v2/posts/98"
  }
}, {
  "type": "Feature",
  "geometry": {
    "type": "Point",
    "coordinates": [11.123, 24.213]
  },
  "properties": {
    "title": "Should be returned when Searching",
    "description": "Some description",
    "id": "99",
    "url": "http://ushv3.dev/api/v2/posts/99"
  }
}
```



```
  ]]  
}
```

## Bounding Box Search Example

GET <https://ushv3.dev/api/v2/posts/gejson?bbox=-2,-2,2,2>

### Response

```
{  
  "type": "FeatureCollection",  
  "bbox": [-2, -2, 2, 2],  
  "features": [[  
    {"type": "Feature",  
      "geometry": {  
        "type": "GeometryCollection",  
        "geometries": [[  
          {"type": "Point",  
            "coordinates": [1, 1]}  
        ], {  
          "type": "Point",  
          "coordinates": [1.2, 0.5]}  
        ]]  
      },  
      "properties": {  
        "title": "OAuth test post",  
        "description": "Testing oauth posts api access",  
        "id": "95",  
        "url": "http://ushv3.dev/api/v2/posts/95"  
      }  
    }, {  
      "type": "Feature",  
      "geometry": {  
        "type": "Point",  
        "coordinates": [1, 1]}  
      },  
      "properties": {  
        "title": "search by attribute",  
        "description": "Some description",  
        "id": "97",  
        "url": "http://ushv3.dev/api/v2/posts/97"  
      }  
    }  
  ]]  
}
```

## Specific 'geometry\_attribute' Example

GET https://ushv3.dev/api/v2/posts/geojson?geometry\_attribute=second\_point

### Response

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [1.2, 0.5]
      },
      "properties": {
        "title": "OAuth test post",
        "description": "Testing oauth posts api access",
        "id": "95",
        "url": "http://ushv3.dev/api/v2/posts/95"
      }
    }
  ]
}
```

## GET posts/:id

Get a single post

METHOD: GET

ENDPOINT: /api/v2/posts/:id/geojson

AUTHENTICATED: Yes

### Query Parameters

Name	Type	Description
id	Required	The numerical id of the post being retrieved.

Example Request

GET http://ushv3.dev/api/v2/posts/1/geojson

## Response

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "GeometryCollection",
        "geometries": [
          {
            "type": "Point",
            "coordinates": [12.123, 21.213]
          }, {
            "type": "MultiPolygon",
            "coordinates": [
              [
                [
                  [40, 40],
                  [20, 45],
                  [45, 30],
                  [40, 40]
                ]
              ],
              [
                [
                  [20, 35],
                  [45, 20],
                  [30, 5],
                  [10, 10],
                  [10, 30],
                  [20, 35]
                ]
              ],
              [
                [
                  [30, 20],
                  [20, 25],
                  [20, 15],
                  [30, 20]
                ]
              ]
            ]
          }
        ]
      },
      "properties": {
        "title": "Test post",
        "description": "Testing post",
        "id": "1",
        "url": "http://ushv3.dev/api/v2/posts/1"
      }
    }
  ]
}
```

# GET posts/geojson/:z/:x/:y

Get tiled geojson response

METHOD: GET

ENDPOINT: /api/v2/posts/geojson/:z/:x/:y

AUTHENTICATED: No

## Query Parameters

Name	Type	Description
z	Required	Zoom level
x	Required	Tile x offset
y	Required	Tile y offset
q	Optional	Only Posts containing this search string will be returned, matched against post title and content
type	Optional	Only posts of this type will be returned: report, revision, comment or alert
locale	Optional	Only posts with matching locale will be returned
slug	Optional	Only posts with a matching slug will be returned
form_id	Optional	Only posts with this form_id will be returned
user_id	Optional	Only posts created by this user_id will be returned
created_before	Optional	Returned posts will have a created date smaller than this date
created_after	Optional	Returned posts will have a created date greater than this date
updated_before	Optional	Returned posts will have an updated date smaller than this date
updated_after	Optional	Returned posts will have an updated date greater than this date
bbox	Optional	Returned posts will have a point attribute within the specified bounding box. bbox expects lat lon values as follows: west,north,east,south
geometry_attribute	Optional	Returned GeoJSON will only include geometries for the specified attribute
order	Optional	Returned posts will be sorted in this order: ASC or DESC. Default: DESC
order_by	Optional	Returned posts will be sorted by this field. Default: created
limit	Optional	Limit number of results returned. Default: 50. Max: 500



offset	Optional	Posts returned will be offset by this number of results
--------	----------	---

### Example Request

GET https://ushv3.dev/api/v2/posts/geojson/1/1/0

#### Response

```
{
  "type": "FeatureCollection",
  "bbox": [0, 85.051128779807, 180, 0],
  "features": [[
    "type": "Feature",
    "geometry": {
      "type": "GeometryCollection",
      "geometries": [[
        "type": "Point",
        "coordinates": [12.123, 21.213]
      ], {
        "type": "MultiPolygon",
        "coordinates": [
          [
            [
              [40, 40],
              [20, 45],
              [45, 30],
              [40, 40]
            ]
          ],
          [
            [
              [20, 35],
              [45, 20],
              [30, 5],
              [10, 10],
              [10, 30],
              [20, 35]
            ]
          ],
          [
            [
              [30, 20],
              [20, 25],
              [20, 15],
              [30, 20]
            ]
          ]
        ]
      ]
    },
    "properties": {
      "title": "Test post",
      "description": "Testing post",
      "id": "1",
      "url": "http://ushv3.dev/deployment/httpdocs/api/v2/posts/v1"
    }
  ], {
```

```
"type": "Feature",
"geometry": {
  "type": "Point",
  "coordinates": [11.123, 24.213]
},
"properties": {
  "title": "Should be returned when Searching",
  "description": "Some description",
  "id": "99",
  "url": "http://ushv3.dev/deployment/httpdocs/api/v2/posts/99"
}
},{
"type": "Feature",
"geometry": {
  "type": "Point",
  "coordinates": [10.123, 26.213]
},
"properties": {
  "title": "another report",
  "description": "Some description",
  "id": "98",
  "url": "http://ushv3.dev/deployment/httpdocs/api/v2/posts/98"
}
},{
"type": "Feature",
"geometry": {
  "type": "GeometryCollection",
  "geometries": [
    {
      "type": "Point",
      "coordinates": [1, 1]
    },
    {
      "type": "Point",
      "coordinates": [1.2, 0.5]
    }
  ]
},
"properties": {
  "title": "OAuth test post",
  "description": "Testing oauth posts api access",
  "id": "95",
  "url": "http://ushv3.dev/deployment/httpdocs/api/v2/posts/95"
}
},{
"type": "Feature",
"geometry": {
  "type": "Point",
  "coordinates": [1, 1]
},
"properties": {
  "title": "search by attribute",
  "description": "Some description",
  "id": "97",
  "url": "http://ushv3.dev/deployment/httpdocs/api/v2/posts/97"
}
}
```

