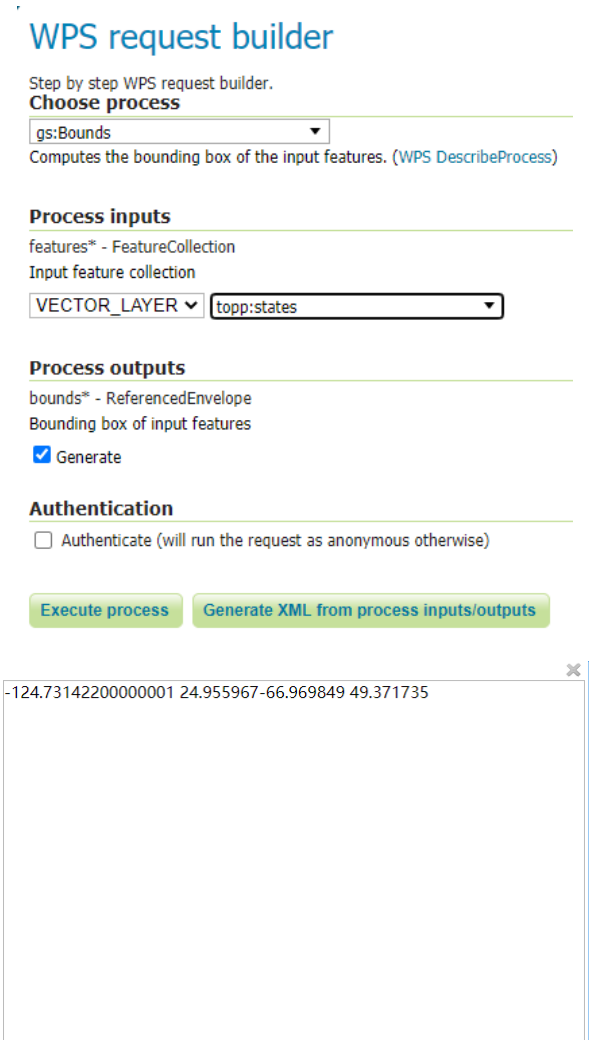
WPS Demo Build

1、确定toop:states边界

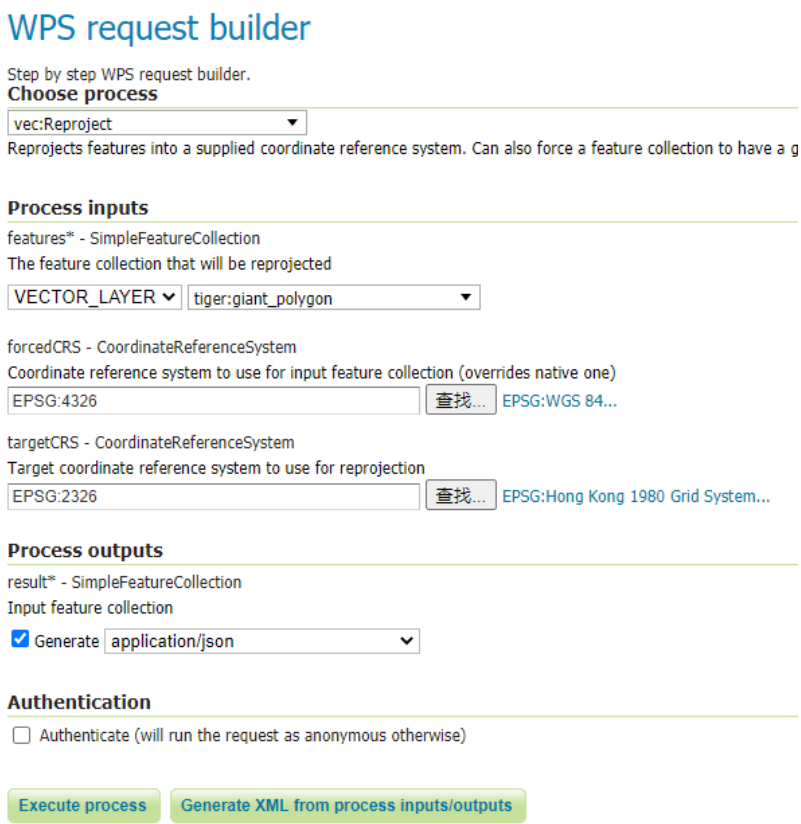



```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>gs:Bounds</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>features</ows:Identifier>
      <wps:Reference mimeType="text/xml" xlink:href="http://geoserver/wfs"
method="POST">
        <wps:Body>
          <wfs:GetFeature service="WFS" version="1.0.0" outputFormat="GML2"
xmlns:topp="http://www.openplans.org/topp">
```

```
            <wfs:Query typeName="topp:states"/>
          </wfs:GetFeature>
        </wps:Body>
      </wps:Reference>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput>
      <ows:Identifier>bounds</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<ows:BoundingBox xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:ows="http://www.opengis.net/ows/1.1" crs="EPSG:4326">
    <ows:LowerCorner>-124.73142200000001 24.955967</ows:LowerCorner>
    <ows:UpperCorner>-66.969849 49.371735</ows:UpperCorner>
</ows:BoundingBox>
```

2、重新投影Geoserver上的图层



{"type":"FeatureCollection","crs":{"type":"name","properties":{"name":"EPSG:2326"}},"features":[{"type":"Feature","geometry":{"type":"MultiPolygon","coordinates":[[[[836496.1844,-1.16514017382E7],[836368.3267,8352802.7341],[836368.3267,8352802.7341],[836496.1844,-1.16514017382E7],[836496.1844,-1.16514017382E7]]]]},"properties":{},"id":"giant_polygon.1"}]}

```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>vec:Reproject</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>features</ows:Identifier>
      <wps:Reference mimeType="text/xml" xlink:href="http://geoserver/wfs"
method="POST">
        <wps:Body>
          <wfs:GetFeature service="WFS" version="1.0.0" outputFormat="GML2"
xmlns:tiger="http://www.census.gov">
            <wfs:Query typeName="tiger:giant_polygon"/>
          </wfs:GetFeature>
        </wps:Body>
      </wps:Reference>
    </wps:Input>
    <wps:Input>
      <ows:Identifier>forcedCRS</ows:Identifier>
      <wps:Data>
        <wps:LiteralData>EPSG:4326</wps:LiteralData>
      </wps:Data>
    </wps:Input>
    <wps:Input>
      <ows:Identifier>targetCRS</ows:Identifier>
      <wps:Data>
        <wps:LiteralData>EPSG:2326</wps:LiteralData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput mimeType="application/json">
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

```
{
```

```
    "type": "FeatureCollection",
    "crs": {
        "type": "name",
        "properties": {
            "name": "EPSG:2326"
        }
    },
    "features": [
        {
            "type": "Feature",
            "geometry": {
                "type": "MultiPolygon",
                "coordinates": [
                    [
                        [
                            [
                                836496.1844,
                                -11651401.7382
                            ],
                            [
                                836368.3267,
                                8352802.7341
                            ],
                            [
                                836368.3267,
                                8352802.7341
                            ],
                            [
                                836496.1844,
                                -11651401.7382
                            ],
                            [
                                836496.1844,
                                -11651401.7382
                            ]
                        ]
                    ]
                ]
            },
            "properties": {},
            "id": "giant_polygon.1"
        }
    ]
}
```


3、JTF：Buffer

Step by step WPS request builder.

Choose process

JTS:buffer

Returns a polygonal geometry representing the input geometry enlarged by a given distance around its exterior. (WPS DescribeProcess)

Process inputs

geom* - Geometry

Input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:LineString  xmlns:gml="http://www.opengis.net/gml">
        <gml:posList>0.0 0.0 10.0 0.0 10.0 10.0</gml:posList>
</gml:LineString>
```

distance* - Double

Distance to buffer the input geometry, in the units of the geometry

2

quadrantSegments - Integer

Number determining the style and smoothness of buffer corners. Positive numbers create round corners with that number of segments per quarter-circle, 0 creates flat corners.

capStyle - BufferCapStyle

Style for the buffer end caps. Values are: Round - rounded ends (default), Flat - flat ends; Square - square ends.

Square


```
{"type":"Polygon","coordinates":[[[8,2],[8,10],[8,12],[12,12],[12,0.0],
[11.9616,-0.3902],[11.8478,-0.7654],[11.6629,-1.1111],[11.4142,-1.4142],
[11.1111,-1.6629],[10.7654,-1.8478],[10.3902,-1.9616],[10,-2],[0.0,-2],[-2,-2],
[-2,2],[8,2]]]}
```



```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:buffer</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>geom</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:LineString xmlns:gml="http://www.opengis.net/gml">
        <gml:posList>0.0 0.0 10.0 0.0 10.0 10.0</gml:posList>
</gml:LineString>
```

```
        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
    <wps:Input>
      <ows:Identifier>distance</ows:Identifier>
      <wps:Data>
        <wps:LiteralData>2</wps:LiteralData>
      </wps:Data>
    </wps:Input>
    <wps:Input>
      <ows:Identifier>capStyle</ows:Identifier>
      <wps:Data>
        <wps:LiteralData>Square</wps:LiteralData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput mimeType="application/json">
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

```
{
    "type": "Polygon",
    "coordinates": [
        [
            [
                8,
                2
            ],
            [
                8,
                10
            ],
            [
                8,
                12
            ],
            [
                12,
                12
            ],
            [
                12,
                0
            ],
            [
                11.9616,
                -0.3902
            ],
            [
                11.8478,
                -0.7654
            ],
            [
                11.6629,
```

```
                -1.1111
            ],
            [
                11.4142,
                -1.4142
            ],
            [
                11.1111,
                -1.6629
            ],
            [
                10.7654,
                -1.8478
            ],
            [
                10.3902,
                -1.9616
            ],
            [
                10,
                -2
            ],
            [
                0,
                -2
            ],
            [
                -2,
                -2
            ],
            [
                -2,
                2
            ],
            [
                8,
                2
            ]
        ]
    ]
}
```

JTF: geometryType

WPS request builder

Step by step WPS request builder.

Choose process

JTS:geometryType

Returns the name of a geometry's type. Values are one of POINT, LINESTRING, POLYGON, MULTIPOINT, MULTILINESTRING, MULTIPOLYGON, GEOMETRYCOLLECTION. (WPS DescribeProcess)

Process inputs

geom* - Geometry

Input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:LineString  xmlns:gml="http://www.opengis.net/gml">
        <gml:posList>0.0 0.0 10.0 0.0 10.0 10.0</gml:posList>
</gml:LineString>
```

Process outputs

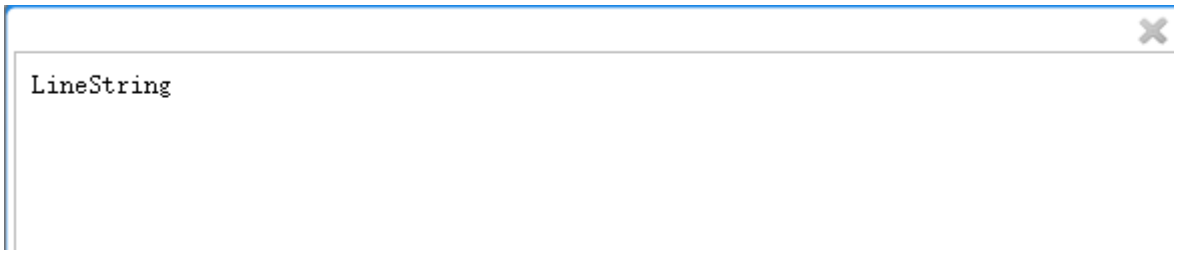
result* - String

The name of the geometry type

Generate

Authentication

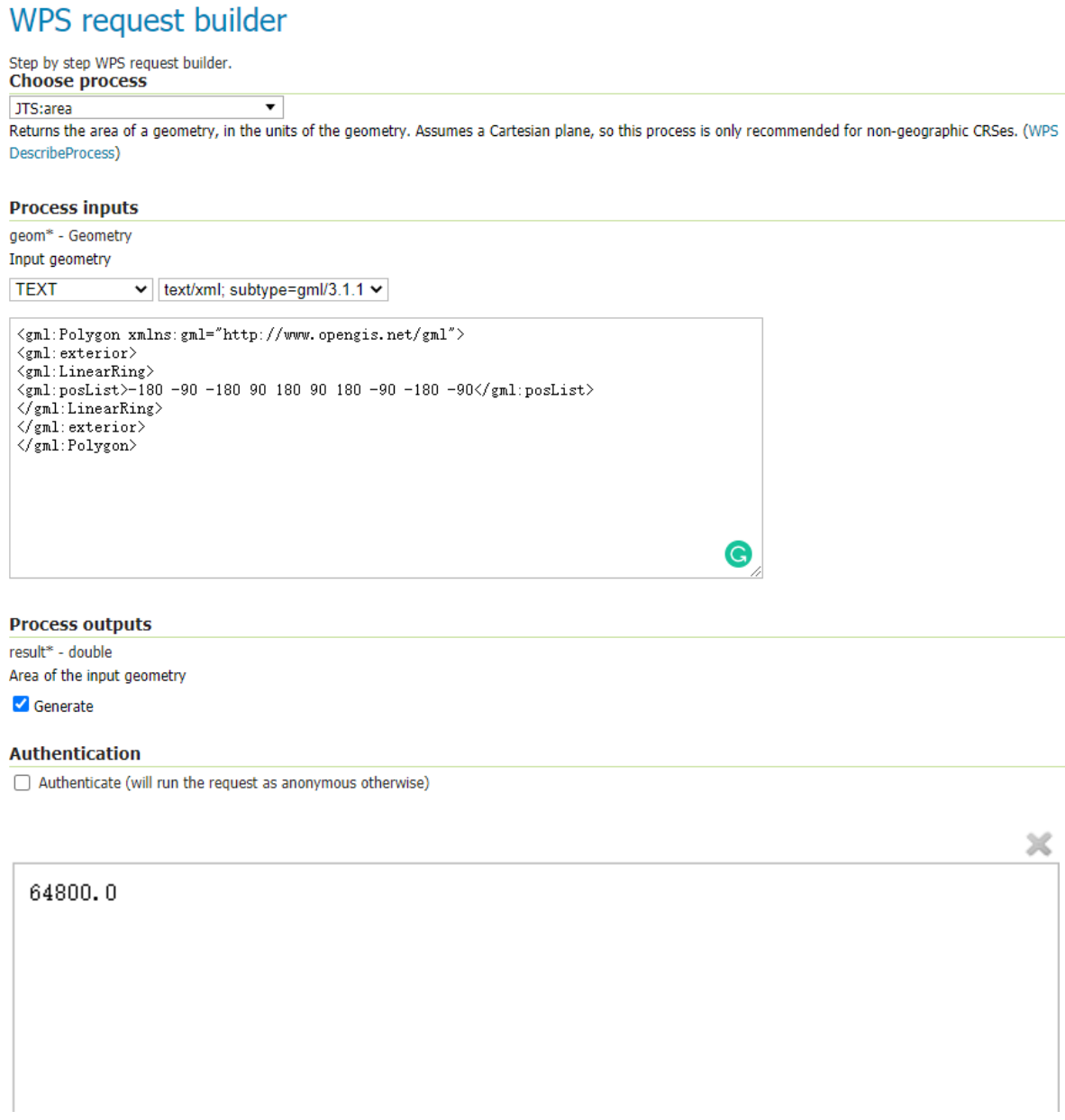
Authenticate (will run the request as anonymous otherwise)




```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:geometryType</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>geom</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:LineString xmlns:gml="http://www.opengis.net/gml">
        <gml:posList>0.0 0.0 10.0 0.0 10.0 10.0</gml:posList>
</gml:LineString>
```

```
        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput>
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

JTS: area



JTS: boundary

WPS request builder

Step by step WPS request builder.

Choose process

JTS:boundary

Returns a geometry boundary. For polygons, returns a linear ring or multi-linestring equal to the boundary of the polygon(s). For linestrings, returns a multipoint equal to the endpoints of the linestring. For points, returns an empty geometry collection. (WPS DescribeProcess)

Process inputs

geom* - Geometry

Input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>
```

Process outputs

result* - Geometry

Boundary of the input geometry

Generate application/json

```
{"type":"LineString","coordinates":[[-180,-90],[-180,90],[180,90],[180,-90],
[-180,-90]]}
```

```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:boundary</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>geom</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
```

```
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput mimeType="application/json">
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

```
{
    "type": "LineString",
    "coordinates": [
        [
            -180,
            -90
        ],
        [
            -180,
            90
        ],
        [
            180,
            90
        ],
        [
            180,
            -90
        ],
        [
            -180,
            -90
        ]
    ]
}
```

JTS：centroid

WPS request builder

Step by step WPS request builder.

Choose process

JTS:centroid

Returns the geometric centroid of a geometry. Output is a single point. The centroid point may be located outside the geometry. (WPS DescribeProcess)

Process inputs

geom* - Geometry

Input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>
```

Process outputs

result* - Geometry

Centroid of the input geometry

Generate | application/json

Authentication

Authenticate (will run the request as anonymous otherwise)

```
{"type":"Point","coordinates":[-0.0,-0.0]}
```

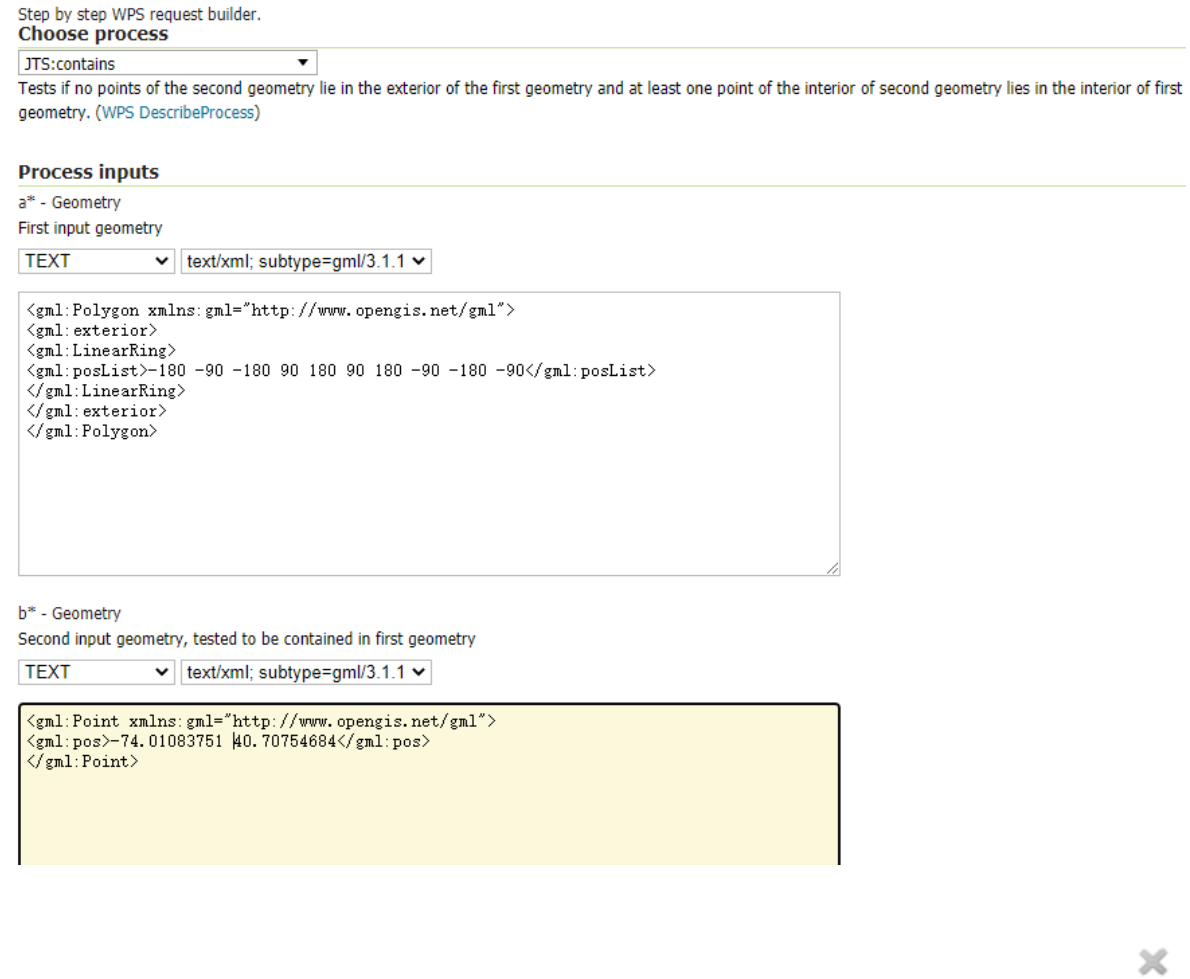
```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:centroid</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>geom</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
```

```
</gml:Polygon>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput mimeType="application/json">
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

```
{
    "type": "Point",
    "coordinates": [
        0,
        0
    ]
}
```

JTS：contain




```
true
```

```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:contains</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>a</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
    <wps:Input>
      <ows:Identifier>b</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Point xmlns:gml="http://www.opengis.net/gml">
<gml:pos>-74.01083751 40.70754684</gml:pos>
</gml:Point>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput>
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

JTS：convert

Step by step WPS request builder.

Choose process

JTS:convexHull

Returns the smallest convex polygon that contains the entire input geometry. (WPS DescribeProcess)

Process inputs

geom* - Geometry

Input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>
```

Process outputs

result* - Geometry

Convex hull of input geometry

☑ Generate application/json

Authentication

☐ Authenticate (will run the request as anonymous otherwise)

Execute process | Generate XML from process inputs/outputs

```
{"type":"Polygon","coordinates":[[[-180,-90],[-180,90],[180,90],[180,-90],
[-180,-90]]]}
```

```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:convexHull</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>geom</ows:Identifier>
      <wps:Data>
```

```
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput mimeType="application/json">
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```

```
{
    "type": "Polygon",
    "coordinates": [
        [
            [
                -180,
                -90
            ],
            [
                -180,
                90
            ],
            [
                180,
                90
            ],
            [
                180,
                -90
            ],
            [
                -180,
                -90
            ]
        ]
    ]
}
```

JTF: crosses

Step by step WPS request builder.

Choose process

JTS:crosses

Tests if two geometries have some, but not all, interior points in common. (WPS DescribeProcess)

Process inputs

a* - Geometry

First input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>
```

b* - Geometry

Second input geometry

TEXT | text/xml; subtype=gml/3.1.1

```
<gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-73.996035 40.730647 -73.996449 40.72999 -73.997356 40.730437 -73.998047
40.730834 -73.99876 40.731166 -73.999559 40.73158 -73.999079 40.732188 -73.998557
40.732795 -73.996937 40.731984 -73.99549 40.731304 -73.996035 40.730647</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>
```

```
false
```

```
<?xml version="1.0" encoding="UTF-8"?><wps:Execute version="1.0.0" service="WPS"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opengis.net/wps/1.0.0" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:wps="http://www.opengis.net/wps/1.0.0"
xmlns:ows="http://www.opengis.net/ows/1.1"
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wcs="http://www.opengis.net/wcs/1.1.1"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/wps/1.0.0
http://schemas.opengis.net/wps/1.0.0/wpsAll.xsd">
  <ows:Identifier>JTS:crosses</ows:Identifier>
  <wps:DataInputs>
    <wps:Input>
      <ows:Identifier>a</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
```

```
<gml:LinearRing>
<gml:posList>-180 -90 -180 90 180 90 180 -90 -180 -90</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
    <wps:Input>
      <ows:Identifier>b</ows:Identifier>
      <wps:Data>
        <wps:ComplexData mimeType="text/xml; subtype=gml/3.1.1">
          <gml:Polygon xmlns:gml="http://www.opengis.net/gml">
<gml:exterior>
<gml:LinearRing>
<gml:posList>-73.996035 40.730647 -73.996449 40.72999 -73.997356 40.730437
-73.998047 40.730834 -73.99876 40.731166 -73.999559 40.73158 -73.999079
40.732188 -73.998557 40.732795 -73.996937 40.731984 -73.99549 40.731304
-73.996035 40.730647</gml:posList>
</gml:LinearRing>
</gml:exterior>
</gml:Polygon>

        </wps:ComplexData>
      </wps:Data>
    </wps:Input>
  </wps:DataInputs>
  <wps:ResponseForm>
    <wps:RawDataOutput>
      <ows:Identifier>result</ows:Identifier>
    </wps:RawDataOutput>
  </wps:ResponseForm>
</wps:Execute>
```