

## Technische Informationen

# Digitale Verwaltungsgrenzen (WFS-VG)

### Landesvermessung und Geobasisinformation Brandenburg

Dieses Dokument enthält Beispielanfragen für den Verwaltungsgrenzen-Dienst. Die Anfragen können an den Dienst mittels HTTP-POST und HTTP-GET gesendet werden. Der Dienst kann die Anfragen in der WFS-Version 1.1.0 und WFS-Version 2.0.0 entgegen nehmen.

### Unterschiede zwischen WFS-Version 1.1.0 und WFS-Version 2.0.0

WFS 1.1.0	WFS 2.0.0
subtype=gml/3.1.1"	subtype=gml/3.2.1
version="1.1.0"	version="2.0.0"
xmlns:wfs="http://www.opengis.net/wfs"	xmlns:wfs="http://www.opengis.net/wfs/2.0"
maxFeatures="2"	count="2"
typeName="app:am"	typeNames="app:am"
<Filter xmlns="http://www.opengis.net/ogc">	<Filter xmlns="http://www.opengis.net/fes/2.0">

## HTTP-POST-Anfrage

### Bundesgrenze

Die Bundesgrenze innerhalb einer BoundingBox

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:de">
    <Filter xmlns="http://www.opengis.net/ogc">
      <BBOX>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>14.070 52.672</gml:lowerCorner>
          <gml:upperCorner>14.424 53.273</gml:upperCorner>
        </gml:Envelope>
      </BBOX>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:gml="http://www.opengis.net/gml/3.2">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:de">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <BBOX>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>14.070 52.672</gml:lowerCorner>
          <gml:upperCorner>14.424 53.273</gml:upperCorner>
        </gml:Envelope>
      </BBOX>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:de&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:BBOX><gml:Envelope
srsName="EPSG:4326"><gml:lowerCorner>14.070 52.672</gml:lowerCorner><gml:upperCorner>14.424
53.273</gml:upperCorner></gml:Envelope></ogc:BBOX></ogc:Filter>
```

## HTTP-POST-Anfrage

### Grenze Brandenburg

Die Landesgrenze Brandenburgs in einem Intersect

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1"
xmlns="http://www.w3.org/2001/XMLSchema" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:bb">
    <Filter xmlns="http://www.opengis.net/ogc">
      <Intersects>
        <PropertyName>app:the_geom</PropertyName>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>14.070 52.672</gml:lowerCorner>
          <gml:upperCorner>14.424 53.273</gml:upperCorner>
        </gml:Envelope>
      </Intersects>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns="http://www.w3.org/2001/XMLSchema" xmlns:wfs="http://www.opengis.net/wfs/2.0"
xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml/3.2">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:bb">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <Intersects>
        <ValueReference>app:the_geom</ValueReference>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>14.070 52.672</gml:lowerCorner>
          <gml:upperCorner>14.424 53.273</gml:upperCorner>
        </gml:Envelope>
      </Intersects>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:bb&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs"
xmlns:app="http://www.deegree.org/app"><ogc:Intersects><PropertyName>app:the_geom</PropertyName><gml:Envel
ope srsName="EPSG:4326"><gml:lowerCorner>14.070 52.672</gml:lowerCorner><gml:upperCorner>14.424
53.273</gml:upperCorner></gml:Envelope></ogc:Intersects></ogc:Filter>
```

Weitere Informationen erhalten Sie beim Kundenservice der INSPIRE-Zentrale

(kundenservice@inspire.brandenburg.de • Telefon: +49 331 8844-123) oder unter inspire.brandenburg.de

## HTTP-POST-Anfrage

### **Grenze Berlin**

*Die Landesgrenze Berlins ohne Filter*

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>  
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs">  
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:be">  
    </wfs:Query>  
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>  
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1" xmlns:wfs="http://www.opengis.net/wfs/2.0">  
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:be">  
    </wfs:Query>  
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

<URL des Dienstes>

?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:be

## HTTP-POST-Anfrage

### Bezirke Berlin

Die Bezirksgrenze des Bezirks Friedrichshain-Kreuzberg

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:bz">
    <Filter xmlns="http://www.opengis.net/ogc">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <PropertyName>app:name</PropertyName>
        <Literal>Friedrichshain-Kreuzberg</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:bz">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <ValueReference>app:name</ValueReference>
        <Literal>Friedrichshain-Kreuzberg</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:bz&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:PropertyIsLike wildCard="*"
singleChar="#" escapeChar="!"><ogc:PropertyName>app:name</ogc:PropertyName><ogc:Literal>Friedrichshain-
Kreuzberg</ogc:Literal></ogc:PropertyIsLike></ogc:Filter>
```

## HTTP-POST-Anfrage

### Kreisgrenzen

Die Kreisgrenze von Potsdam

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:ks">
    <Filter xmlns="http://www.opengis.net/ogc">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <PropertyName>app:name</PropertyName>
        <Literal>Potsdam</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:ks">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <ValueReference>app:name</ValueReference>
        <Literal>Potsdam</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:ks&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:PropertyIsLike wildCard="*"
singleChar="#"
escapeChar="!"><ogc:PropertyName>app:name</ogc:PropertyName><ogc:Literal>Potsdam</ogc:Literal></ogc:Propert
ylsLike></ogc:Filter>
```

## HTTP-POST-Anfrage

### **Amtsgrenzen**

Alle Amtsgrenzen in einer Bounding Box

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs"
xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:am">
    <Filter xmlns="http://www.opengis.net/ogc">
      <BBOX>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>12.820 52.152</gml:lowerCorner>
          <gml:upperCorner>13.845 52.692</gml:upperCorner>
        </gml:Envelope>
      </BBOX>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:gml="http://www.opengis.net/gml/3.2">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:am">
    <Filter xmlns="http://www.opengis.net/ogc">
      <BBOX>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>12.820 52.152</gml:lowerCorner>
          <gml:upperCorner>13.845 52.692</gml:upperCorner>
        </gml:Envelope>
      </BBOX>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:am&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:BBOX><gml:Envelope
srsName="EPSG:4326"><gml:lowerCorner>12.820 52.152</gml:lowerCorner><gml:upperCorner>13.845
52.692</gml:upperCorner></gml:Envelope></ogc:BBOX></ogc:Filter>
```

## HTTP-POST-Anfrage

### Gemeindegrenzen

Die Gemeindegrenzen im Land Brandenburg, welche mit „Wu“ beginnen

#### WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:ge">
    <Filter xmlns="http://www.opengis.net/ogc">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <PropertyName>app:name</PropertyName>
        <Literal>Wu*</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

#### WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:ge">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <ValueReference>app:name</ValueReference>
        <Literal>Wu*</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

#### WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:ge&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:PropertyIsLike wildCard="*"
singleChar="#"
escapeChar="!"><ogc:PropertyName>app:name</ogc:PropertyName><ogc:Literal>Wu*</ogc:Literal></ogc:PropertyIsLi
ke></ogc:Filter>
```



## HTTP-POST-Anfrage

### Ortsteilgrenzen

Die Grenze des Ortsteils „Kirchmöser“

WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:otl">
    <Filter xmlns="http://www.opengis.net/ogc">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <PropertyName>app:name</PropertyName>
        <Literal>Kirchmöser</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:otl">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <ValueReference>app:name</ValueReference>
        <Literal>Kirchmöser</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:otl&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:PropertyIsLike wildCard="*"
singleChar="#"
escapeChar="!"><ogc:PropertyName>app:name</ogc:PropertyName><ogc:Literal>Kirchmöser</ogc:Literal></ogc:Prop
ertyIsLike></ogc:Filter>
```

## HTTP-POST-Anfrage

### Postleitzahlen

Alle Gebiete die mit der Postleitzahl 1447 beginnen

#### WFS 1.1.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="1.1.0" outputFormat="text/xml; subtype=gml/3.1.1" xmlns:wfs="http://www.opengis.net/wfs">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeName="app:plz">
    <Filter xmlns="http://www.opengis.net/ogc">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <PropertyName>app:plz</PropertyName>
        <Literal>1447*</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

#### WFS 2.0.0

```
<?xml version="1.0" encoding="utf-8"?>
<wfs:GetFeature version="2.0.0" outputFormat="text/xml; subtype=gml/3.2.1"
xmlns:wfs="http://www.opengis.net/wfs/2.0">
  <wfs:Query xmlns:app="http://www.deegree.org/app" typeNames="app:plz">
    <Filter xmlns="http://www.opengis.net/fes/2.0">
      <PropertyIsLike wildCard="*" singleChar="#" escapeChar="!">
        <ValueReference>app:plz</ValueReference>
        <Literal>1447*</Literal>
      </PropertyIsLike>
    </Filter>
  </wfs:Query>
</wfs:GetFeature>
```

## HTTP-GET-Anfrage

### WFS 1.1.0

```
<URL des Dienstes>
?Service=WFS&Version=1.1.0&Request=GetFeature&Typename=app:plz&FILTER=<ogc:Filter
xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:wfs="http://www.opengis.net/wfs" xmlns:app="http://www.deegree.org/app"><ogc:PropertyIsLike wildCard="*"
singleChar="#"
escapeChar="!"><ogc:PropertyName>app:plz</ogc:PropertyName><ogc:Literal>1447*</ogc:Literal></ogc:PropertyIsLik
e></ogc:Filter>
```