

CONMAN.GETINFO

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Servis Adı: CONMAN.GETINFO

Modül Adı: NETGIS SERVER

Servis Tipi:

Servis Bağımlılığı:

Servis Önceliği:

Servis Tanımı: Alacağı Xml pakette belirtilen F.A.D tanımı üzerinde, OGC filtre standardına uygun olarak belirtilen filtreler uygulanarak veri kümesinin gerekiyorsa daraltılması sonucunda, veri kümesinde kalan verilerin istemciye, yine Xml formatında ile dönmesi amaçlanır.

Getinfo servisinde aşağıda özellikler bulunmaktadır:

- Coğrafi sorgulama
 - Point, Polygon, LineString, ContainsMin
- Sözel sorgulama
 - PropertyIsLessThan,PropertyIsEqualTo,PropertyIsBetween,PropertyIsLike,PropertyIsGreaterThan,PropertyIsNotEqualTo,PropertyIsLessThanOrEqual,PropertyIsGreaterThanOrEqualTo,PropertyIsLikeType,PropertyIsNull,PropertyIsNullType,PropertyIsNullType,PropertyIsBetweenType,
- Projeksiyon dönüşümleri
 - UTM ->Coğrafi, Coğrafi -> UTM, UTM filtre ->Coğrafi, Coğrafi filtre ->UTM, Coğrafi Filtre ->UTM
- Sorgu sonucunda dönen kayıt sayısı
 - CountOnly
- Sorgu sonucunda dönen kayıt sayısını sınırlamak için :
 - WEBGIS-754

Servis Sonucu: İstenilen (daraltılmış / ham) veri kümesi içeriğinin Xml formatındaki hali.

Örnek:

```
- <Table>
- <Table_Detail>
  <Table_Name>EGITIM.MAHALLE</Table_Name>
</Table_Detail>
- <Data>
- <Record>
  <MAHALLE_KODU>6</MAHALLE_KODU>
  <MAHALLE_ADI>YILDIZ</MAHALLE_ADI>
  <TOPLAMNUFUS>4768</TOPLAMNUFUS>
  <NUFUS_0_15>1256</NUFUS_0_15>
  <NUFUS_15_30>1540</NUFUS_15_30>
  <NUFUS_30_60>1857</NUFUS_30_60>
  <NUFUS_60_90>115</NUFUS_60_90>
  <YOGUNLUK>0.05</YOGUNLUK>
  <ALAN>94837.973116748</ALAN>
  <NCGEOMVALID>0</NCGEOMVALID>
  <CLLX>39.965835492454318</CLLX>
  <CLLY>32.936128093776709</CLLY>
  <CURX>39.969456529498622</CURX>
  <CURY>32.941328875726683</CURY>
  <OBJ_AREA>9.9974747598402525E-06</OBJ_AREA>
  <OBJ_LENGTH>0.014350850231005553</OBJ_LENGTH>
  <OBJ_CENTREOFMASS_X>39.967502148392015</OBJ_CENTREOFMASS_X>
  <OBJ_CENTREOFMASS_Y>32.938901996737641</OBJ_CENTREOFMASS_Y>
</Record>
</Data>
</Table>
```

Veri Hazırlama:

Girdi Tanımı

```
<?xml version="1.0" encoding="utf-16"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="GetInfoServiceRequest">
    <xs:all>
      <xs:element minOccurs="0" maxOccurs="1" name="LayerName" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="FAD" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="Clockwise" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" default="0" name="CountOnly" type="xs:boolean" />
      <xs:element minOccurs="0" maxOccurs="1" default="0" name="MaxRecordCount" type="xs:int" />
      <xs:element minOccurs="0" maxOccurs="1" default="0" name="SRID" type="xs:int" />
      <xs:element minOccurs="0" maxOccurs="1" name="Proj" type="WKTextClass" />
      <xs:element minOccurs="0" maxOccurs="1" name="FilterExpression" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="Criteria" type="OgcGroupOperator" />
      <xs:element minOccurs="0" maxOccurs="1" name="SortBy" type="SortColumnCollection" />
    </xs:all>
  </xs:complexType>
  <xs:complexType name="WKTextClass">
    <xs:all>
      <xs:element minOccurs="0" maxOccurs="1" name="WKT" type="xs:string" />
    </xs:all>
  </xs:complexType>
  <xs:element name="GetInfo" type="GetInfoServiceRequest" />
</xs:schema>
```

Örnek:

```

- <GetInfo version="2.0">
  <SRID />
- <!-- Hedef Projeksiyonu (SRID)
-->
- <Proj>
- <!-- Hedef Projeksiyonu (WKT)
-->
  <WKT>GEOGCS["WGS-84",DATUM["WGS84",SPHEROID["WGS 84",6378137.00000000,298.25722360],
TOWGS84[0.00000000,0.00000000,0.00000000,0.00000000,0.00000000,0.00000000,0.00000000]],
PRIMEM["Greenwich",0.00000000],UNIT["Degree",0.01745329],AUTHORITY["EPSG","4326"]</WKT>
  </Proj>
  <Clockwise>False</Clockwise>
- <!-- 'True' : counterclockwise 'Else' : clockwise
-->
  <CountOnly />
- <!-- 'True' : CountOnly 'Else' : Normal
-->
  <FAD>MAHALLE.EGITIM.MAHALLE</FAD>
  <FilterExpression></FilterExpression><!-- devexpress expression format. Ör : MAHALLE_ADI='ÇANKAYA' AND ( .. )
-->
- <Filter xmlns:gml="http://www.opengis.net/gml">
- <And>
- <PropertyIsLessThan>
- <!--
  PropertyIsLessThan,PropertyIsEqualTo,PropertyIsBetween,PropertyIsLike,
  PropertyIsGreaterThan,PropertyIsNotEqualTo,PropertyIsLessThanOrEqual,
  PropertyIsGreaterThanOrEqualTo,PropertyIsLikeType,PropertyIsNull,
  PropertyIsNullType,PropertyIsNullType,PropertyIsBetweenType,
  -->
  <PropertyName>ALAN</PropertyName>
  <Literal>100000</Literal>
  </PropertyIsLessThan>
- <PropertyIsBetween>
  <PropertyName>TOPLAMNUFUS</PropertyName>
- <LowerBoundary>
  <Literal>2000</Literal>
  </LowerBoundary>
- <UpperBoundary>
  <Literal>6000</Literal>
  </UpperBoundary>
  </PropertyIsBetween>
- <Intersects>
  <PropertyName>Geometry</PropertyName>
- <Polygon srsName="EPSG:2321">
- <!-- Kaynak projenin projeksiyonu
-->
- <outerBoundaryIs>
- <LinearRing>
  <coordinates>
494455.85326257,4426151.70474381,0.00000000
494805.16232051,4426148.50984389,0.00000000
494719.96498931,4425753.40722043,0.00000000
494402.60493057,4425808.78548571,0.00000000
494455.85326257,4426151.70474381,0.00000000
</coordinates>
  </LinearRing>
  </outerBoundaryIs>
  </Polygon>
  </Intersects>
  </And>
  </Filter>
</GetInfo>

```

Servis Sonucu: İstenilen (daraltılmış / ham) veri kümesi içeriğinin Xml formatındaki hali.

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- <Record>
  <MAHALLE_KODU>6</MAHALLE_KODU>
  <MAHALLE_ADI>YILDIZ</MAHALLE_ADI>
  <TOPLAMNUFUS>4768</TOPLAMNUFUS>
  <NUFUS_0_15>1256</NUFUS_0_15>
  <NUFUS_15_30>1540</NUFUS_15_30>
  <NUFUS_30_60>1857</NUFUS_30_60>
  <NUFUS_60_90>115</NUFUS_60_90>
  <YOGUNLUK>0.05</YOGUNLUK>
  <ALAN>94837.973116748</ALAN>
  <NCGEOMVALID>0</NCGEOMVALID>
  <CLLX>39.965835492454318</CLLX>
  <CLLY>32.936128093776709</CLLY>
  <CURX>39.969456529498622</CURX>
  <CURY>32.941328875726683</CURY>
  <OBJ_AREA>9.9974747598402525E-06</OBJ_AREA>
  <OBJ_LENGTH>0.014350850231005553</OBJ_LENGTH>
  <OBJ_CENTREOFMASS_X>39.967502148392015</OBJ_CENTREOFMASS_X>
  <OBJ_CENTREOFMASS_Y>32.938901996737641</OBJ_CENTREOFMASS_Y>
</Record>
</Data>
</Table>
```

Veri Hazirlama:

Örnek:

```

- <GetInfo version="2.0">
  <SRID />
- <!-- Hedef Projeksiyonu (SRID)
-->
- <Proj>
- <!-- Hedef Projeksiyonu (WKT)
-->
  <WKT>GEOGCS["WGS-84",DATUM["WGS84",SPHEROID["WGS 84",6378137.00000000,298.25722360],
TOWGS84[0.00000000,0.00000000,0.00000000,0.00000000,0.00000000,0.00000000,0.00000000]],
PRIMEM["Greenwich",0.00000000],UNIT["Degree",0.01745329],AUTHORITY["EPSG","4326"]]</WKT>
  </Proj>
  <Clockwise>False</Clockwise>
- <!-- 'True' : counterclockwise 'Else' : clockwise
-->
  <CountOnly />
- <!-- 'True' : CountOnly 'Else' : Normal
-->
  <FAD>MAHALLE.EGITIM.MAHALLE</FAD>
- <Filter xmlns:gml="http://www.opengis.net/gml">
- <And>
- <PropertyIsLessThan>
- <!--
  PropertyIsLessThan,PropertyIsEqualTo,PropertyIsBetween,PropertyIsLike,
  PropertyIsGreaterThan,PropertyIsNotEqualTo,PropertyIsLessThanOrEqual,
  PropertyIsGreaterThanOrEqualTo,PropertyIsLikeType,PropertyIsNull,
  PropertyIsNullType,PropertyIsNullType,PropertyIsBetweenType,
  -->
  <PropertyName>ALAN</PropertyName>
  <Literal>100000</Literal>
</PropertyIsLessThan>
- <PropertyIsBetween>
  <PropertyName>TOPLAMNUFUS</PropertyName>
- <LowerBoundary>
  <Literal>2000</Literal>
</LowerBoundary>
- <UpperBoundary>
  <Literal>6000</Literal>
</UpperBoundary>
</PropertyIsBetween>
- <Intersects>
  <PropertyName>Geometry</PropertyName>
- <Polygon srsName="EPSG:2321">
- <!-- Kaynak projenin projeksiyonu
-->
- <outerBoundaryIs>
- <LinearRing>
  <coordinates>
494455.85326257,4426151.70474381,0.00000000
494805.16232051,4426148.50984389,0.00000000
494719.96498931,4425753.40722043,0.00000000
494402.60493057,4425808.78548571,0.00000000
494455.85326257,4426151.70474381,0.00000000
</coordinates>
  </LinearRing>
</outerBoundaryIs>
</Polygon>
</Intersects>
</And>
</Filter>
</GetInfo>

```

Aşağıda bir örnek projede (EGITIM_MDB) istenilen veri kümesi içeriğinin, xml formatına örnekler verilmiştir. Örnekte, 3 farklı geometriye (nokta, çizgi,alan) ait getinfo xml ler yer almaktadır.

Örnek1: Çizgi geometrik objesi için "içmesuyu boru hatları" seçilmiştir.

```
<wfs:FeatureCollection xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml" xmlns:wfs="http://www.opengis.net/wfs">
  <gml:featureMember>
    <SU.BAGLANTI1.SU>
      <HAT_KODU>2</HAT_KODU>
      <HAT_TURU>Uzun Etiket Testi Boru Tipi Ana</HAT_TURU>
      <HAT_CAPI>500</HAT_CAPI>
      <UZUNLUK>64.61</UZUNLUK>
      <BAS_X>4425770.982</BAS_X>
      <BAS_Y>495147.585</BAS_Y>
      <BIT_X>4425834.571</BIT_X>
      <BIT_Y>4425834.571</BIT_Y>
      <BOHATKODU>SH</BOHATKODU>
      <BODEPOKODU>DEPO1</BODEPOKODU>
      <BOLGE_NO>1</BOLGE_NO>
      <MAHKODU>6</MAHKODU>
      <YAPIM_TARIHI>5/1/1994 12:00:00 AM</YAPIM_TARIHI>
      <YAPAN_FIRMA>ASÇELK A.</YAPAN_FIRMA>
      <BOSOKAKKODU>43</BOSOKAKKODU>
      <DEBISI>400</DEBISI>
      <BORUMAL>ÇELK</BORUMAL>
      <NCGEOMVALID>0</NCGEOMVALID>
      <GEOMETRY>
        <MultiGeometry>
          <geometryMember>
            <gml:LineString srsName="EPSG:2321" xmlns:gml="http://www.opengis.net/gml">
              <gml:coordinates decimal="." cs="," ts=" ">495147.58538077,4425770.98167665,0
              495159.04107116,4425834.57125041,0 </gml:coordinates>
            </gml:LineString>
          </geometryMember>
        </MultiGeometry>
      </GEOMETRY>
    </SU.BAGLANTI1.SU>
  </gml:featureMember>
  <gml:boundedBy>
    <gml:box>
      <coordinates>4425770.98167665,495147.58538077,4425834.57125041,495159.04107116</coordinates>
    </gml:box>
  </gml:boundedBy>
</wfs:FeatureCollection>
```

Örnek2: Nokta geometrik objesi için "elektrik direği" seçilmiştir.

```
<wfs:FeatureCollection xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml" xmlns:wfs="http://www.opengis.net/wfs">
<gml:featureMember>
<ELEKTRIK.BAGLANTI1.ELEKTRIK>
<DIREK_NO>27</DIREK_NO>
<DIREK_X>4425951.224</DIREK_X>
<DIREK_Y>495161.017</DIREK_Y>
<LAMBA_KODU>LKODU02</LAMBA_KODU>
<AYDINMESAFESI_M>40</AYDINMESAFESI_M>
<LAMBANINGUCU_W>250</LAMBANINGUCU_W>
<NCGEOMVALID>0</NCGEOMVALID>
<GEOMETRY>
<MultiGeometry>
<geometryMember>
<gml:Point srsName="EPSG:2321" xmlns:gml="http://www.opengis.net/gml">
<gml:coordinates decimal="." cs="," ts=" ">495161.01697942,4425951.22375176,0 </gml:coordinates>
</gml:Point>
</geometryMember>
</MultiGeometry>
</GEOMETRY>
</ELEKTRIK.BAGLANTI1.ELEKTRIK>
</gml:featureMember>
<gml:boundedBy>
<gml:box>
<coordinates>4425951.22375176,495161.01697942,4425951.22375176,495161.01697942</coordinates>
</gml:box>
</gml:boundedBy>
</wfs:FeatureCollection>
```

Örnek3: Alan geometrik objesi için "bina" seçilmiştir.

```
<wfs:FeatureCollection xmlns:ogc="http://www.opengis.net/ogc" xmlns:gml="http://www.opengis.net/gml" xmlns:wfs="
http://www.opengis.net/wfs">
<gml:featureMember>
<BINA.BAGLANTI1.BINA>
<BINA_NO>77</BINA_NO>
<ADA_PARSEL>20928/6</ADA_PARSEL>
<PAFTANO>I17-B-04-C-2-C</PAFTANO>
<MAHALLE_ADI>ESAT</MAHALLE_ADI>
<CADDE_SOKAK_ADI>GÜZELTEPE SOKAK</CADDE_SOKAK_ADI>
<KAPINO>39</KAPINO>
<BINA_ADI>AYGÜN</BINA_ADI>
<KAT_SAYISI>5</KAT_SAYISI>
<DAIRE_SAYISI>3</DAIRE_SAYISI>
<ISYERI_SAYISI>1</ISYERI_SAYISI>
<RUHSATNO>1998/14</RUHSATNO>
<TARIHI>3/11/1998 12:00:00 AM</TARIHI>
<ISINMATURU>Sobal</ISINMATURU>
<YAKITTURU>Kat</YAKITTURU>
<BINA_ALAN>235.68</BINA_ALAN>
<NCGEOMVALID>0</NCGEOMVALID>
<GEOMETRY>
<MultiGeometry>
<geometryMember>
<gml:Polygon srsName="EPSG:2321" xmlns:gml="http://www.opengis.net/gml">
<gml:outerBoundaryIs>
<gml:LinearRing>
<gml:coordinates decimal="." cs="," ts=" ">495204.7476335,4426088.747846,0 495224.884913,4426087.7439244,0
495224.4823928,4426075.7511724,0 495205.3849888,4426076.7011388,0 495204.7476335,4426088.747846,0</gml:
coordinates>
</gml:LinearRing>
</gml:outerBoundaryIs>
</gml:Polygon>
</geometryMember>
</MultiGeometry>
</GEOMETRY>
</BINA.BAGLANTI1.BINA>
</gml:featureMember>
<gml:boundedBy>
<gml:box>
<coordinates>4426075.7511724,495204.7476335,4426088.747846,495224.884913</coordinates>
</gml:box>
</gml:boundedBy>
</wfs:FeatureCollection>
```

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