Style Layer Descriptor (SLD)

Geospatial data (vector and raster) have no intrinsic visual component.

```xml
<Bridge>
  <span>100</span>
  <height>200</height>
  <gml:centerLineOf>
    <gml:LineString>
       <gml:pos>100 200</gml:pos>
       <gml:pos>200 200</gml:pos>
    </gml:LineString>
  </gml:centerLineOf>
</Bridge>
```

How are we supposed to render the bridge data?

- How think is the line
- What color?
- What type of line?

SLD enables configuration of how to portray data

SLD XML document describing how point data can be styled as blue circles with a diameter of 5 pixels.

```
1.  <FeatureTypeStyle>
2.      <Rule>
3.         <PointSymbolizer>
4.            <Graphic>
5.               <Mark>
6.                  <WellKnownName>circle</WellKnownName>
7.                  <Fill>
8.                     <CssParameter name="fill">#013df4</CssParameter>
9.                  </Fill>
10.               </Mark>
11.               <Size>5</Size>
12.            </Graphic>
13.         </PointSymbolizer>
14.      </Rule>
15.  </FeatureTypeStyle>
```

Output/Visual Portrayal