

SLD Editor is a web application designed for easy editing of files pertaining to the OGC Style Layer Descriptor (SLD) standard. SLD is a file format commonly used to describe visualization of maps. The administrator of the SLD Editor can upload SLD templates. Software users can then create their own visualizations based on the templates as well as preview map legends of the visualizations. Also, downloading the result SLD file is possible.

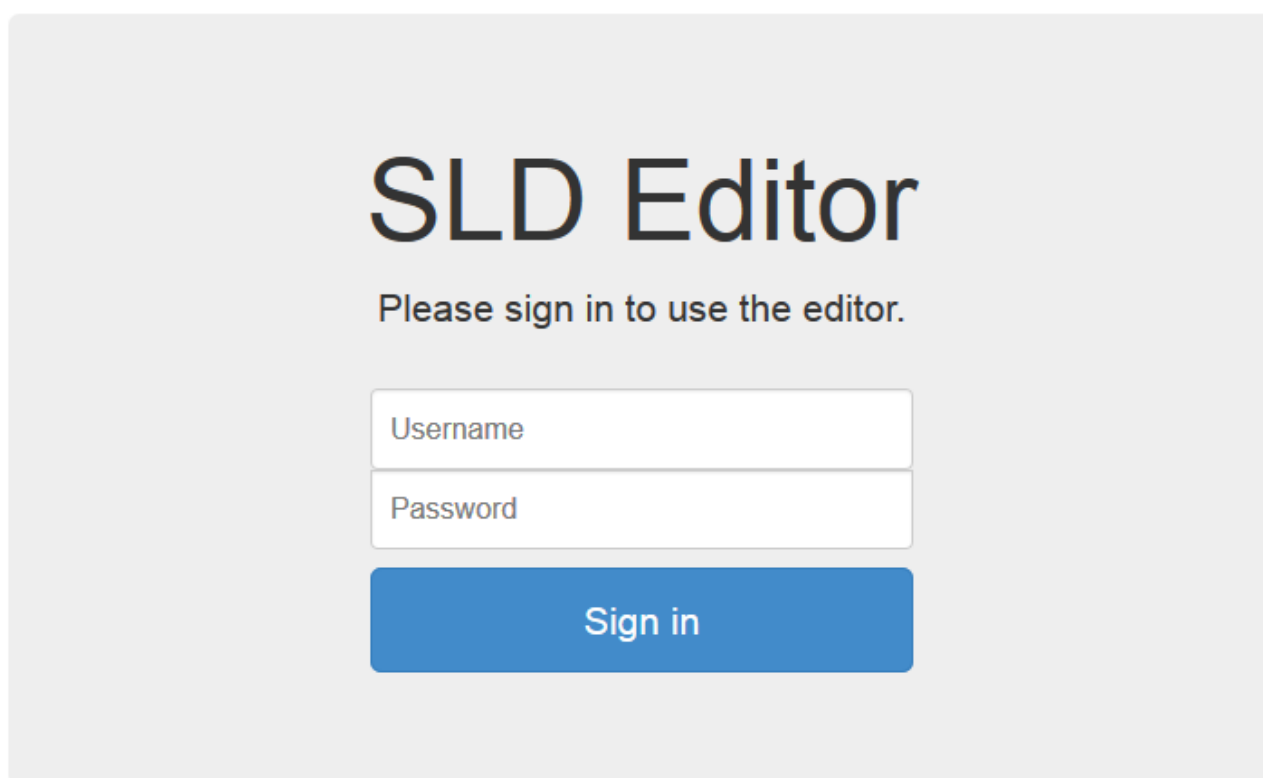
Logging in

SLD Editor is an easy-to-use tool for customizing existing SLD visualizations.

The editor is accessible at <http://www.oskari.org/sld-editor>.

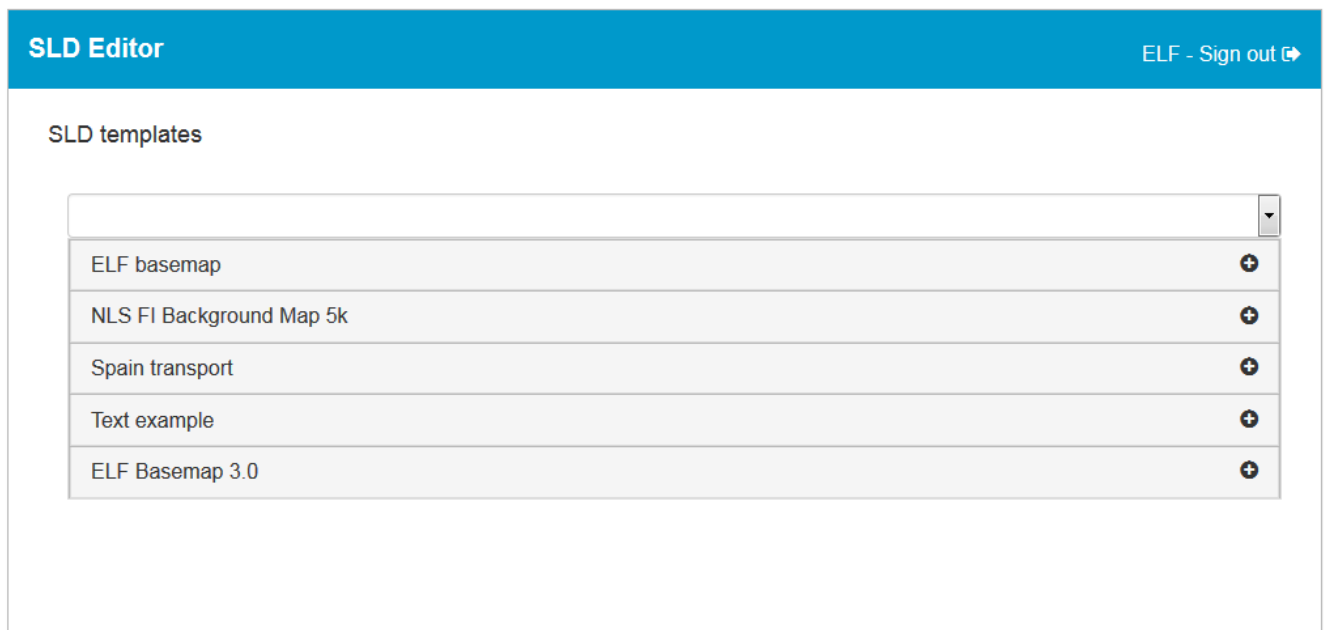
At the login screen, please enter your Username and Password in respective fields.

For testing the editor, you may use credentials “ELF” and “SLDEdit”.

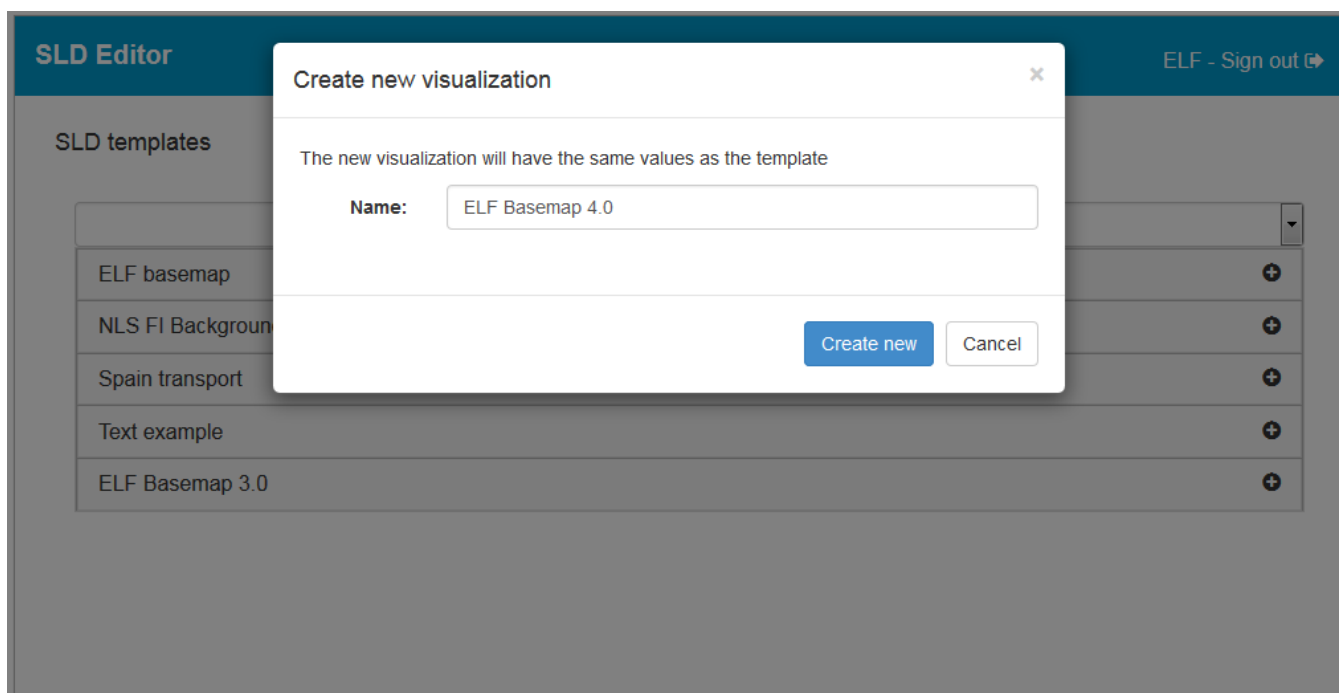
The image shows the login interface of the SLD Editor. It features a light gray background with the title "SLD Editor" in a large, bold, black font. Below the title, the text "Please sign in to use the editor." is displayed in a smaller, regular black font. There are two white input fields with gray borders: the top one is labeled "Username" and the bottom one is labeled "Password". Below these fields is a blue rectangular button with the text "Sign in" in white.

SLD templates -menu

After logging in, you can choose, which SLD template to start customizing. A number of templates are provided; if you need to have your own SLD uploaded in the editor, please contact oskari@nls.fi.





Click on the + -sign on the visualization of your choice to open a prompt for creating a new visualization based on the template.




The new visualization will appear under the selected template.

SLD Editor

SLD templates





▸ ELF Basemap 3.0	+
ELF Basemap 4.0	   
ELF Basemap 3.0 vol 2	+
text and point example	+
NLS FI Background Map 5k.sld	+
scale_denominator_test	+
Spain transport node	+
Maastokartta	+
ELF Basemap	+

You may now Edit, Download or Delete the visualization you have created. You can also view the legend of your SLD file by choosing the eye symbol . The legend window appears on the right hand side:

SLD Editor







User guide ELF - Sign out

SLD templates


▸ ELF Basemap 3.0	+
ELF Basemap 4.0	   
ELF Basemap 3.0 vol 2	+
text and point example	+
NLS FI Background Map 5k.sld	+
scale_denominator_test	+
Spain transport node	+
Maastokartta	+
ELF Basemap	+

Legend - ELF Basemap 4.0


LC.LandCover.LandCoverUnit

forestOrPermanentWoodyCrops	
arableLand	
artificialSurfacesAndConstructions	
naturalMaterialSurfaces	
permanentSnowAndIce	
other	

HY.Hydrography.Wetland

Wetland	
---------	---

HY.Hydrography.WatercoursePolygon

>=25m HydrologicalPersistence perennial	
---	---

Choosing Edit  will take you to the editor screen.

The Editor Screen

At the editor screen, you have the following functionalities.

1. Back to SLD list -link

The link takes you back to the SLD templates menu.

2. Features menu

In the Features menu, you can click on a Feature type style to open a list of Rules defined for a certain Feature type style. Please note, that often in SLD files the Feature type styles are not named, as this is not compulsory according to the SLD standard.

You may search for rules by clicking on the Search rule -button, which opens a drop-down menu of all rules in the current SLD. The list can be filtered further by typing in a few letters of rule names.

Each rule may contain 1 to many symbolizers of different kinds, e.g. PolygonSymbolizers, LineSymbolizers or TextSymbolizers. Click on a feature type style and further on a symbolizer to show the configurable symbolizer parameters in the Symbolizer window.

3. Symbolizer window

The Feature type style 11 ((TN RoadTransportNetwork RoadLink) in the example contains a rule called "primaryRoad>40000". This rule contains two LineSymbolizers. The upper one enables changing the road base colour and the other one the road lane colour. **Note**, that in Internet Explorer you have to enter the Hex Colour code in order to change the colour.

4. Symbolizer preview

Symbolizer preview shows the preview image of a single symbolizer. The whole rule can be previewed only in the Rule preview window.

5. Rule preview

Rule preview window contains an OpenLayers map with a background map and dummy map layers for visualizing the rules for each geometry type separately.

6. Save SLD values -button

Once you are done editing the symbolizers you wish to change, pressing the Save SLD values -button will save your changes to the visualization you have created.

7. Reset SLD values -button

Pressing this button will revert your visualization to the previously saved symbolizer parameter values.

8. WMS Preview -button

With this function, it is possible to preview the edited style in a WMS service, which supports dynamic use of style parameters (SLD posting).

9. WMS Preview -dialog

In the dialog, enter the address of the WMS service and if necessary, the access credentials for the service (http basic authentication). Clicking "Ok" opens a new map in another browser tab with the layer symbolized according to user defined styling from on top of a background map. Note that you may need to zoom in the area where the WMS service is providing data.

SLD Editor - ELF Basemap 4.0 * 7 ELF - Sign out

1 6 Save SLD values Reset SLD values WMS Preview

Features 2

Search rule...

- primaryRoadTunnel>10000<40000
- primaryRoadTunnel<10000
- motorwayTunnel
- tertiaryRoad>40000
- tertiaryRoad>10000<40000
- tertiaryRoad<10000
- secondaryRoad>40000
- secondaryRoad>10000<40000
- secondaryRoad<10000
- primaryRoad>40000
 - LineSymbolizer
 - LineSymbolizer
- primaryRoad>10000<40000
- primaryRoad<10000

Symbolizer 3

primaryRoad>40000:
linesymbolizer

Unit: Metre

Stroke

Color:

Width: 30

Symbolizer preview 4

Rule preview 5 8

SLD Editor - * ELF - Sign out

9 SLD values Reset SLD values WMS Preview

Features

Search rule...

- 1. Feature type style
 - Rule_0
 - PointSymbolizer

WMS Preview

The service must support EPSG:3857 and contain a layer corresponding to that defined in the SLD. Only changes made before the last save will be visible.

Service URL

Username

Password

OK Cancel

Symbolizer preview