**370-F06**

**Typical GeoNetwork « online distribution » script**

<gmd:onLine>

<gmd:CI\_OnlineResource>

<gmd:linkage>

<gmd:URL>http://soggy.zoology.ubc.ca:8080/geoserver/wms/</gmd:URL>

</gmd:linkage>

<gmd:protocol>

<gco:CharacterString>OGC:WMS-1.3.0-http-get-map</gco:CharacterString>

</gmd:protocol>

<gmd:name>

<gco:CharacterString>psf:bc\_shorezone</gco:CharacterString>

</gmd:name>

<gmd:description>

<gco:CharacterString>bc shorezone shapefile</gco:CharacterString>

</gmd:description>

</gmd:CI\_OnlineResource>

</gmd:onLine>

***NOTES:***

1. Name – 1st line in regular display and label for local map (if WMS); 2nd otherwise
2. Description – 2nd line in regular display (if WMS); 1st otherwise
3. Feel free to edit the protocol. For instance, append kml to wms if want Globe Viewer link.

**KML Reflector**[**¶**](http://docs.geoserver.org/stable/en/user/services/wms/googleearth/features/kmlreflector.html#kml-reflector)

Standard WMS requests can be quite long and cumbersome. The following is an example of a request for KML output from GeoServer:

http://localhost:8080/geoserver/ows?service=WMS \

&request=GetMap&version=1.1.1 \

&format=application/vnd.google-earth.kml+XML \

&width=1024&height=1024 \

&srs=EPSG:4326 \

&layers=topp:states \

&styles=population \

&bbox=-180,-90,180,90

GeoServer includes an alternate way of requesting KML, and that is to use the **KML reflector**. The KML reflector is a simpler URL-encoded request that uses sensible defaults for many of the parameters in a standard WMS request. Using the KML reflector one can shorten the above request to:

http://localhost:8080/geoserver/wms/kml?layers=topp:states

**Using the KML reflector**

The only mandatory parameter is the layers parameter. The syntax is as follows:

http://GEOSERVER\_URL/wms/kml?layers=<layer>

where GEOSERVER\_URL is the URL of your GeoServer instance, and <layer> is the name of the featuretype to be served.

The following table lists the default assumptions:

|  |  |
| --- | --- |
| **Key** | **Value** |
| request | GetMap |
| service | wms |
| version | 1.1.1 |
| srs | EPSG:4326 |
| format | applcation/vnd.google-earth.kmz+xml |
| width | 2048 |
| height | 2048 |
| bbox | <layer bounds> |
| kmattr | true |
| kmplacemark | false |
| kmscore | 40 |
| styles | [default style for the featuretype] |

<http://soggy.zoology.ubc.ca:8080/geoserver/wms/kml?REQUEST=GetLegendGraphic&VERSION=1.0.0&FORMAT=image/png&WIDTH=20&HEIGHT=50&stle=psf:ShoreZone_RepType>

To get GeoServer to include a legend with the KML output, append legend=true to the KML reflector request. For example:

http://soggy.zoology.ubc.ca:8080/geoserver/wms/kml?REQUEST=GetLegendGraphic&VERSION=1.0.0&FORMAT=image/png&WIDTH=20&HEIGHT=50&stle=psf:ShoreZone\_RepType&legend=true