

The Valtus WMS service is based on the 1.1.1 specification.

([http://portal.opengeospatial.org/files/?artifact\\_id=1081&version=1&format=pdf](http://portal.opengeospatial.org/files/?artifact_id=1081&version=1&format=pdf))

Valtus has added support for user authentication since there is none in the WMS specification. Below are examples of how to access the service and features that are supported.

Here is an example of a GetCapabilities request for all layers a user has access.

### Example 1 – GetCapabilities:

<http://www.valtus.com/views/wms?request=GetCapabilities>

Valtus has extended the GetCapabilities to return only layers viewable by a client within a bounding box, as shown in example 2. This will return only layers that are viewable at the zoom level determined by the bounding box.

### Example 2 – GetCapabilities:

<http://www.valtus.com/views/wms?REQUEST=GetCapabilities&SRS=EPSG:4326&BBOX=-96.8,32.7,-96.7,32.8&WIDTH=400&HEIGHT=400>

### Example 3 – GetMap (Geographic projection, best of layer):

<http://www.valtus.com/views/wms?REQUEST=GetMap&SRS=EPSG:4326&BBOX=-96.8,32.7,-96.7,32.8&FORMAT=image/jpeg&WIDTH=400&HEIGHT=500&LAYERS=VIEWS>

### Example 3 – GetMap (NAD83 UTM Zone 11 projections, VIEWS\_CA layer):

[http://www.valtus.com/views/wms?REQUEST=GetMap&SRS=EPSG:26911&BBOX=699900,5661612,701783,5663495&FORMAT=image/png&WIDTH=400&HEIGHT=400&LAYERS=VIEWS\\_CANADA](http://www.valtus.com/views/wms?REQUEST=GetMap&SRS=EPSG:26911&BBOX=699900,5661612,701783,5663495&FORMAT=image/png&WIDTH=400&HEIGHT=400&LAYERS=VIEWS_CANADA)

### WMS Parameters Supported

**REQUEST** - GetCapabilities and GetMap

**SRS** - EPSG:projection code in which the image is to be returned in.

**BBOX** - bounding box of the image request.

**FORMAT** - format the image is to be returned.

**WIDTH** - width in pixels of the image.

**HEIGHT** - height in pixels of the image.

**LAYERS** - image layer requested.

**STYLES (optional)** – used in sorting data within a mosaic, for example STYLES=BRD would sort data by color (over B&W), resolution, and image date. STYLES=TIMESTAMP will timestamp the image with the acquisition date of the layer.