

QGIS Application - Feature request #10060

Support SVG as WMS image format

2014-04-13 12:28 PM - Jaak Laineste

Status: Closed	
Priority: Normal	
Assignee:	
Category: Web Services clients/WMS	
Pull Request or Patch supplied:	Resolution:
Easy fix?: No	Copied to github as #: 18538
Description	
<p>QGIS seems to have nice SVG support in general, I can select SVG images in map composer for example, and I have set up WMS server which outputs SVG. This gives way better image quality for printouts. It is, well, really scalable. But I cannot select SVG as image format when adding WMS layer. I can select PNG but then the printed output looks almost unusable.</p> <p>My current workaround is to use Wireshark to intercept WMS requests and then modify URL FORMAT parameter and invoke it in browser, as also web browsers can render SVG nicely.</p> <p>Here is my scalable SVG WMS sample for http://kaart.maakaart.ee/cgi-bin/wms?SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=2973247,804426,2976707,8049065&#38;CRS=EPSG:3857&#38;WIDTH=600&#38;HEIGHT=1000&#38;LAYERS=default,places18,borders18,aeroways18,roads18,railways18,waterways18,waterarea18,buildings,transport_areas18,landuse18,land18,places17,borders17,aeroways17,roads17,railways17,waterways17,waterarea17,transport_areas17,landuse17,land17,places16,borders16,aeroways16,roads16,railways16,waterways16,waterarea16,transport_areas16,landuse16,land16,places15,borders15,aeroways15,roads15,railways15,waterways15,waterarea15,transport_areas15,landuse15,land15,places14,borders14,aeroways14,roads14,railways14,waterways14,waterarea14,transport_areas14,landuse14,land14,places13,borders13,aeroways13,roads13,railways13,waterways13,waterarea13,transport_areas13,landuse13,land13,places12,borders12,aeroways12,roads12,railways12,waterways12,waterarea12,transport_areas12,landuse12,land12,places11,borders11,aeroways11,roads11,railways11,waterways11,waterarea11,transport_areas11,landuse11,land11,places10,borders10,aeroways10,roads10,railways10,waterways10,waterarea10,transport_areas10,landuse10,land10,places9,borders9,roads9,railways9,waterways9,waterarea9,transport_areas9,landuse9,land9,places8,borders8,roads8,railways8,waterways8,waterarea8,transport_areas8,landuse8,land8,places7,borders7,roads7,waterways7,waterarea7,transport_areas7,landuse7,land7,places6,borders6,roads6,waterways6,waterarea6,transport_areas6,landuse6,land6,places5,borders5,roads5,waterarea5,transport_areas5,landuse5,land5,places4,borders4,waterarea4,transport_areas4,landuse4,land4,places3,borders3,land3,places2,borders2,land2,places1,borders1,land1,places0,borders0,land0&#38;SERVICE=WMS&#38;STYLES=&#38;FORMAT=image/svg%2Bxml&#38;DPI=72&#38;MAP_RESOLUTION=72&#38;FORMAT_OPTIONS=dpi:72&#38;TRANSPARENT=TRUE</p>	

Associated revisions

Revision b118213d - 2014-04-14 12:36 AM - Jürgen Fischer

wms: add support for svg getmap requests (implements #10060)

Revision ad1eaf7a - 2014-04-17 04:28 PM - Jürgen Fischer

wms client: handle + encoding (image/svg+xml) in format parameter also for other requests (followup b118213d, refs #10060)

History

#1 - 2014-04-13 03:44 PM - Jürgen Fischer

- Status changed from Open to Closed

Fixed in changeset commit:"b118213d7bf86465f782d6fdb39b3b50f4bc78b1".

#2 - 2014-04-17 05:03 AM - Jaak Laineste

Thanks for superfast patch!

However, the + in FORMAT parameter still gets not escaped (even through the patch code tries to do it), so server gets "image/svg xml" as type and gives error response. You can test with my global OSM WMS at <http://kaart.maakaart.ee/cgi-bin/wms> (pick "default" layer).

Working URL:

<http://kaart.maakaart.ee/cgi-bin/wms?SERVICE=WMS&VERSION=1.3.0&REQUEST=GetMap&WIDTH=256&HEIGHT=256&LAYS=default&STYLES=&FORMAT=image/svg%2bxml&CRS=EPSG:3301&TRANSPARENT=TRUE&BBOX=6585981.078628242015838621583862,520163.22141778469085693,6586353.4256381094455719,520535.56842762231826782>

#3 - 2014-04-17 06:24 AM - Jaak Laineste

After some more usage it looks even more strange - after getting some invalid requests and errors in log, after re-adding layers it eventually started to make working URL queries, and got back SVG as expected. Maybe some capability caching issue?

However, I now got stuck with the next problem - print composer seems to rasterize automatically the map (if I print or save as pdf), or modify it too much (if save as SVG) to be usable. I still cannot get nice vector PDF output. But that's another issue.