

QGIS Application - Feature request #10060

Support SVG as WMS image format

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

Status:	Closed	Resolution: Copied to github as #: 18538
Priority:	Normal	
Assignee:		
Category:	Web Services clients/WMS	
Pull Request or Patch supplied:	No	
Easy fix?:	No	
Description		
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. 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. 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+xml&#38;DPI=72&#38;MAP_RESOLUTION=72&#38;FORMAT_OPTIONS=dpi:72&#38;TRANSPARENT=TRUE		

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&LAYER=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.