

D4Science Infrastructure - Task #1283

Thredds layers colors not visualised on GisViewer

Nov 02, 2015 03:03 PM - Gianpaolo Coro

Status:	Closed	Start date:	Nov 23, 2015
Priority:	Normal	Due date:	
Assignee:	Francesco Mangiacrapa	% Done:	100%
Category:	Application	Estimated time:	0.00 hour
Target version:	GeoExplorer Enhancements		
Infrastructure:	Development		
Description			
Thredds can approximately manage automatic coloring of the maps, but an additional parameter (colorscalerange) has to be added to the WMS link. This is one example of working WMS link for a Thredds layer, with the colorscalerange parameter activated: <code>http://thredds-d-d4s.d4science.org/thredds/wms/public/netcdf/test20.nc?service=wms&version=1.3.0&request=GetMap&layers=analyzed_field&bbox=-85.0,-180.0,85.0,180.0&styles=&width=640&height=480&srs=EPSG:4326&CRS=EPSG:4326&format=image/png&COLORSCALERANGE=auto</code> On the dev GeoNetwork, the "Generic Raster Layer 5" layer has this WMS link associated. Nevertheless, when visualised on GeoExplorer, the above link becomes: <code>http://thredds-d-d4s.d4science.org/thredds/wms/public/netcdf/test20.nc?LAYERS=analyzed_field&TRANSPARENT=TRUE&FORMAT=image%2Fpng&SERVICE=WMS&VERSION=1.1.1&REQUEST=GetMap&STYLES=&SRS=EPSG%3A4326&_O_LSA_LT=0.5492304935709325&BBOX=90,-360,180,-270&WIDTH=256&HEIGHT=256</code> thus, the parameter disappears. This behaviour should be fixed for NetCDF based layers.			
Subtasks:			
Related issues:			
Related to D4Science Infrastructure - Task #536: Thredds: tomcat runs as root			Closed Sep 23, 2015

History

#2 - Nov 23, 2015 02:55 PM - Francesco Mangiacrapa

- Status changed from New to In Progress

#3 - Nov 24, 2015 12:15 PM - Francesco Mangiacrapa

- Status changed from In Progress to Paused

#4 - Nov 27, 2015 04:05 PM - Francesco Mangiacrapa

- Status changed from Paused to In Progress

#5 - Dec 01, 2015 03:28 PM - Gianpaolo Coro

- Related to Task #536: Thredds: tomcat runs as root added

#7 - Jan 05, 2016 04:27 PM - Francesco Mangiacrapa

In order to manage and discriminate correctly styles and palettes for Geoserver and Thredds layers, I created a procedure to get/retrieve styles as following (pseudocode):

```
Request GetStyle works?
  OK -> isGeoserver or isMapserver
  FAIL -> contains COLORSCALERANGE?
    YES -> with value="min,max"? skip; with value="auto"? goto GetMetadata(min,max)
    NO -> GetMetadata(min,max)
      OK -> isRaster, add COLORSCALERANGE with min,max values
      FAIL -> isNotRaster or isNotThredds, skip
```

Moreover, I updated the request GetLegendGraphic adding COLORSCALERANGE=min,max to show the legend related to a (Thredds) layer with correct ranges of values.

#8 - Jan 07, 2016 12:17 PM - Francesco Mangiacrapa

GeoeExplorer/GisViewer on dev environment (<https://dev.d4science.org/group/devvre/geoexplorer>) have been updated in order to show all styles availables for Thredds layers retrieved through GetMetadata request.

#9 - Jan 12, 2016 11:45 AM - Francesco Mangiacrapa

- *Status changed from In Progress to Closed*