WMS   WMS

2010   6

1.   tomcat   deegree   wms   war   tomcat   webapp

tomcat

2.   http://localhost:8080/deegree-wms/

3.   " WMS 1.1.1 - Get 1.1.1 Capabilities"   wms

4.   " WMS 1.1.1 - Test WMS"   " Get Map"

"   "   wms   request

http://localhost:8080/deegree-wms/services?REQUEST=GetMap&SERVI

CE=WMS&VERSION=1.1.1&WIDTH=742&HEIGHT=667&LAYERS=State

Overview&TRANSPARENT=TRUE&FORMAT=image/png&BBOX=60820.

47151152167,4027931.6904921234,836022.1595806566,4724777.41278

6076&SRS=EPSG:26912&STYLES=

5.   " Get Map"   response

6.   " Generic OGC WebService Client"   request

- http:// —— 使用的网络协议
- webmapping.mgis.psu.edu/ —— 主机域名
- geoserver/wms —— 页面或web程序位置
- version=1.1.1 —— WMS版本号
- request=getmap —— 操作动词，可以为GetCapabilities，GetMap和GetFeatureInfo等
- layers=topp:states —— 请求地图所包含的图层名，可以为多层

- styles=population —— 指定图层绘制的样式名
- SRS=EPSG:4326 —— 指定地图的坐标投影系统代码
- bbox=-125,24,-67,50 —— 请求地图的范围（The Bounding Box）
- width=400 —— 地图的像素宽度
- height=200 —— 地图的像素高度，宽度和高度的不同设置可能会引起返回图像的变形
- format=image/png —— 返回地图图像的格式，可以为Image/gif, image/jpg, image/svg+xml等等

WMS   GetMap

Table 8 — The Parameters of a GetMap request

Request parameter	Mandatory/optional	Description
VERSION=1.3.0	M	Request version.
REQUEST=GetMap	M	Request name.
LAYERS=layer_list	M	Comma-separated list of one or more map layers.
STYLES=style_list	M	Comma-separated list of one rendering style per requested layer.
CRS=namespace:identifier	M	Coordinate reference system.
BBOX=minx,miny,maxx,maxy	M	Bounding box corners (lower left, upper right) in CRS units.
WIDTH=output_width	M	Width in pixels of map picture.
HEIGHT=output_height	M	Height in pixels of map picture.
FORMAT=output_format	M	Output format of map.
TRANSPARENT=TRUE|FALSE	O	Background transparency of map (default=FALSE).
BGCOLOR=color_value	O	Hexadecimal red-green-blue colour value for the background color (default=0xFFFFFF).
EXCEPTIONS=exception_format	O	The format in which exceptions are to be reported by the WMS (default=XML).
TIME=time	O	Time value of layer desired.
ELEVATION=elevation	O	Elevation of layer desired.
Other sample dimension(s)	O	Value of other dimensions as appropriate.