Day 2 GeoServer进行矢量地图发布

2018年6月26日, 星期二

9:35

1、新建工作空间：

About & Status 
Server Status 
n 
GeoSep.cer Logs 
Contact Information 
O About GeoSep.cer 
LJ Workspaces 
Stores 
Layers 
Layer Groups 
'O Styles 
WMTS 
wcs 
WFS 
WMS 
Settings 
Workspaces 
Manage GeoSep.•er workspaces 
Add new workspace 
Remove selected workspace(s) 
o 
o 
o 
o 
Workspace Name 
cite 
t.geosolutions 
nurc 
sde 
sf 
test 
tiger 
topp 
Results 1 to 8 (out of 8 tems) 
Results 1 to 8 (out of 8 tems) 

2、name和URI保持一致，submit进行提交

Machine generated alternative text:
New Workspace 
Configure a new workspace 
bj_road 
amespace 
bj_road 
e namespace uri associa e 
o 
Default Workspace 
Isolated Workspace 
Submit 
this workspace 

3、

About & Status 
Server Status 
GeoServer Logs 
Contact Information 
About GeoServer 
Data 
Workspaces 
Stores 
Workspaces 
Manage GeoServer workspaces 
O Add new workspa 
Remove selected orkspace(s) 
> Resutsl to 9 (out of g tems) 
Workspace 
bj _road 
cite 
Default 
Search 
Isolated 

在工作空间中可以对查看到刚刚创建的新的工作空间

4、在存储中为工作空间添加存储数据

About & Status 
Senter Status 
n 
GeoSep.cer Logs 
Contact Information 
About GeoSep.cer 
Layer prev 
Stores 
Layers 
Layer Groups 
'O Styles 
Stores 
O Add new Store 
emove see e 
Data Type 
fig data to GeoSevver 
ores 
Results 1 to 10 (out of 10 tems) 
Workspace 
nurc 
nurc 
nurc 
Store Name 
arcGridSample 
bj _road 
img_sample2 
mosaic 

5、打开一下界面，本文发布的是矢量服务，选择矢量数据源本地文件源

About & Status 
Server Status 
n 
GeoSep.cer Logs 
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About GeoSep.cer 
Layer Preview 
D Workspaces 
O Stores 
Layers 
Layer Groups 
'€ Styles 
WMTS 
wcs 
WFS 
WMS 
Settings 
Global 
Image Processing 
Raster Access 
Tile Caching 
Tile Layers 
Caching Defaults 
New data source 
Choose the type of data source wish to configure 
Vector Data Sources 
Directory of spatial files (shapefiles) - Takes a directory of shapefiles and exposes t as a data store 
GeoPac ge - GeoPac ge 
PostGIS - PostGIS Database 
PostGIS (JNDI) - PostGIS Database (JNDI) 
Properties - Allows access to Java Property files containing Feature information 
Shapefile - ESRI(tm) Shapefiles (*.shp) 
Web Feature Server (NG) - Provides access to the Features published a Web Feature Service, and the abiliö,' to perform transactions on the 
sevver (when supported / allowed). 
Raster Data Sources 
ArcGrid - ARC/INFO ASCII GRID coverage Format 
Geopackage (mosaic) - Geopackage mosaic plugin 
GeoTIFF - Tagged Image File Format with Geographic information 
Gtop030 - Gtop030 Coverage Format 
ImageMosaic - Image mosaicking plugin 
Worldlmage - A raster file accompanied by a spatial data file 
Other Data Sources 
WMS - Cascades a remote Web Map Sep.'ice 
WMTS - Cascades a remote Web Map Tile Sep.'ice 

6、选择本地矢量数据，并保存GeoServer中，待发布

About & Status 
n 
Server Status 
GeoSep.cer Logs 
Contact Information 
About GeoSep.cer 
Layer Preview 
Workspaces 
Stores 
Layers 
Layer Groups 
Styles 
New Vector Data Source 
Add a new vector data source 
Directory of spatial files (shapefiles) 
Takes a director,' of shapefiles and exposes t as a data store 
Basic Store Info 
Workspace * 
bj_ road 
Data Source Name 
road 
Description 
road 
Enabled 
Connection Parameters 
Directory o ape es 
so-8869-1 
Directory of shapefiles 
/ GeoServer/ ex/ 
hiF_poVIine.shp 
Browse... 
Last modified 
2014-7-22 -FtF2:57 
2014-7-22 -FtF2:58 
014-7-22 -FtF2:57 
2014-7-22 -FtF2:57 
2014-7-22 -FtF2:56 
2014-7-22 -FtF2:57 
2014-7-22 -FtF2:57 
zg1.4K 
3.8M 
922.2K 
825.5K 
152.3K 
12.8M 
815.7K 
WMTS 
wcs 
WFS 
WMS 
Settings 
Global 
Image Processing 
Raster Access 
Tile Caching 
o 
Tile Layers 
Caching Defaults 
Gridsets 
Disk Quota 
810bStores 
4.) Create spatial index f missing/outdated 
o 
use memory mapped buffers (Disable on Windows) 
Cache and reuse memory maps (Requires Use Memo"/ mapped buffers' to be enabled) 
save 

7、上一步点击保存后，弹出一下页面，选择其中一个进行发布，点击publish

New Layer 
Add a new layer 
You can create a new feature type by manually configuring the attribute names and types. Create new feature type... 
Here is a list of resources contained in the store 'road'. Click on the layer wish to configure 
Results 1 to 11 (out of 11 tems) 
Layer name 
Search 
Published 
Publish 
Publish 
Publish 

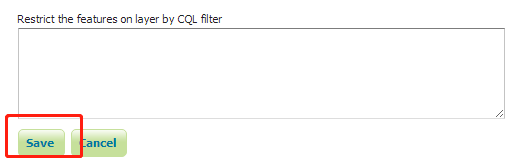
8、在Data标签下按照以下步骤对图层进行编辑，并保存

Edit Layer 
Edit layer data and publishing 
Configure the resource and publishing information for the current layer 
Data Publishing Dimensions Tile Caching 
Edit Layer 
Basic Resource Info 
Name 
Enabled 
Advertised 
Title 

Keywords 
features 
Kev,vord 
Add Keyword 
Remove selected 

Coordinate Reference Systems 
Native SRS 
EPSG 4326 
Declared SRS 
EPSG 4326 
SRS handling 
Force declared 
GCS WGS 1984... 
Find. _ 
EPSG:WGS 84... 

Bounding Boxes 
Native Sounding Sox 
Min X 
11547667 
Min Y 
3g 443658 
ompu e om 
Compute from SRS bounds 
Lat/Lon Sounding Sox 
Min X 
11547667 
ompu e om n 
Min Y 
3g 443658 
rve oun s 
Max X 
117 44837 
Max X 
117 44837 
Max Y 
40Æ81661 
Max Y 
40Æ81661 



9、在publishing标签下，选择相应的图层展示符号，进行保存

Configure the resource and publishing information for the current layer 
Data Pu blishing 
Dimensions Tile Caching 

WMS Settings 
Layer Settings 
Queryable 
CJ Opaaue 
Default 
he 

10、在layer preview中对发布数据进行预览

GeoServer 
About & Status 
Senter Status 
n 
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Layer Preview 
or Daces 
o 
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Layers 
Layer Groups 
'O Styles 
WMTS 
wcs 
WFS 
Layer Preview 
List of all layers configured in GeoSevver and provides previews in various formats for each. 
Results 1 to 5 (out of 5 matches from 24 tems) 
Ingged in as admin. 
road 
All Formats 
Select one 
Select one 
Select one 
Select one 
Select one 
Logou"'i 
Type 
Title 
Manhattan (NY) roads 
Tasmania roads 
Spearfish roads 
tiger:tiger_roads 
topp:tasmania_roads 
sf:roads 
Common Formats 
OpenLayers KML GML 
OpenLayers KML GML 
OpenLayers KML GML 
Openl_ayers ML GML 
OpenLayers KML GML 
g3_potyline 
Ill > Il 
Results 1 to 5 (out of 5 matches from 24 tems) 

Scale - 1 : 1M 
Click on the map to get feature info 
116.63090, 40.16186 

以上为矢量数据发布过程。