

Leveraging OGC Services with GeoExt

Andreas Hocevar

ahocevar@opengeo.org

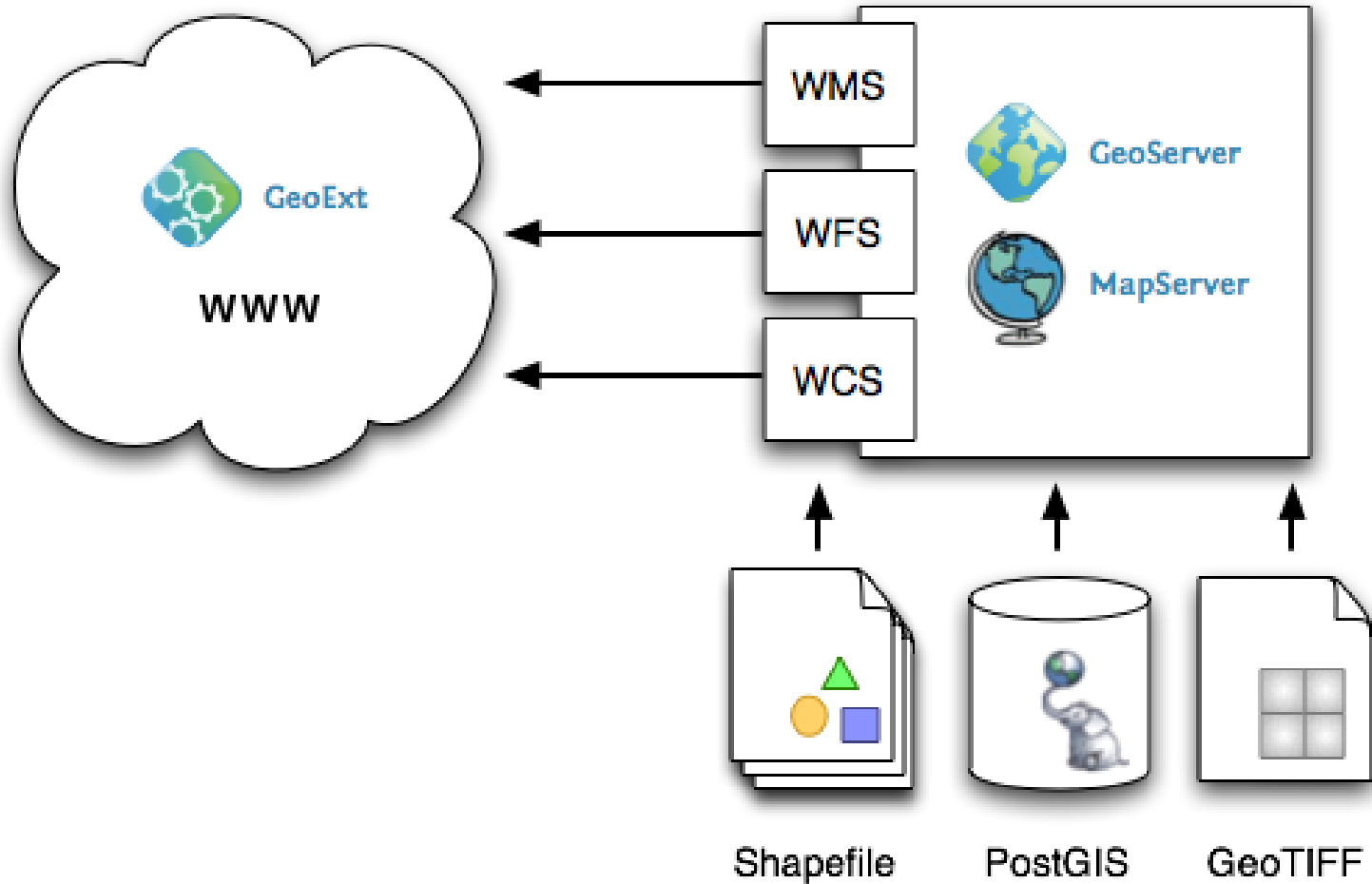
About this Tutorial

- No hands-on workshop – but ask questions anytime!
- See small code snippets and config objects and how they play together to build a rich application
- Materials provided for download

GeoExt

- OpenLayers is great for maps, but lacks a rich UI – Ext JS provides the UI, but lacks mapping
- GeoExt brings together the mapping power of OpenLayers with the rich UI of GeoExt
- GeoExt provides GIS related widgets
- GeoExt turns OpenLayers Formats and objects into Ext JS data components

GeoExt & OGC Services



Today's Agenda

- Learn the basics of GeoExt
- See how to create a WMS browser
- See how to create a WFS-T editor
- See more OGC standards in action:
Filter Encoding and SLD

Module 1: GeoExt Basics



Module 2: WMS-Browser

The screenshot displays a WMS-Browser interface with the following components:

- Available WMS Layers:** A table listing layers with columns for Name, Title, and Abstract.
- Map Layers:** A list of layers currently on the map, including 'medford_zoning_Type'.
- Map:** A central map area with navigation controls (compass, zoom, globe) and callouts for 'GetMap' and 'GetFeatureInfo'.
- Legend:** A legend on the right side of the map area with callouts for 'GetLegendGraphic'.

Name	Title	Abstract
medford:medford_streets	medford_streets_Type	Generated from medford_shapfiles
medford:medford_zoning	medford_zoning_Type	Generated from medford_shapfiles
topp:storm_obs	storm_obs_Type	Generated from storm_obs_shp

Legend:

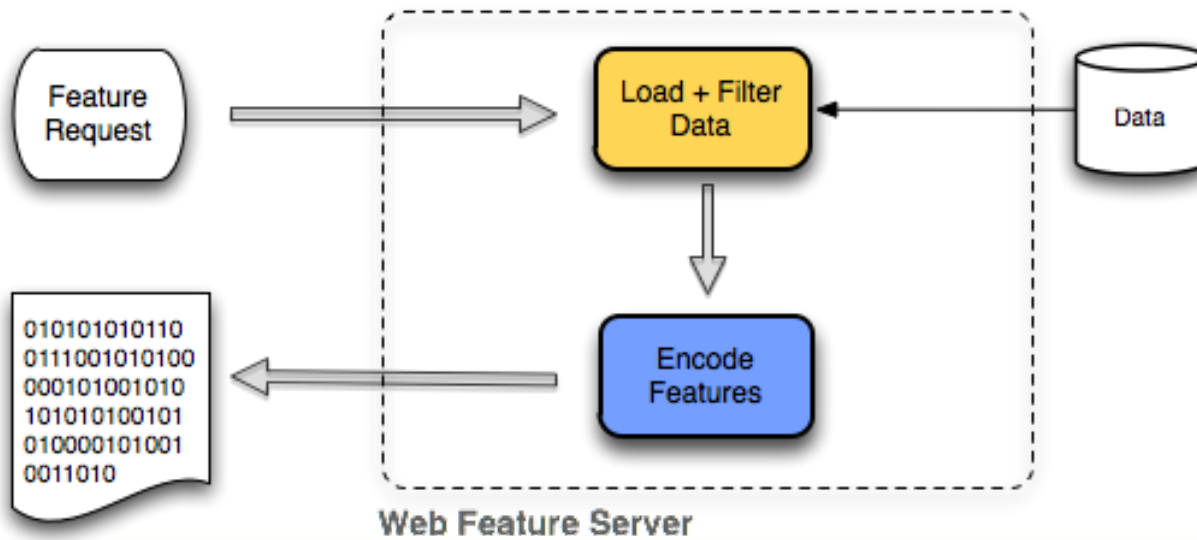
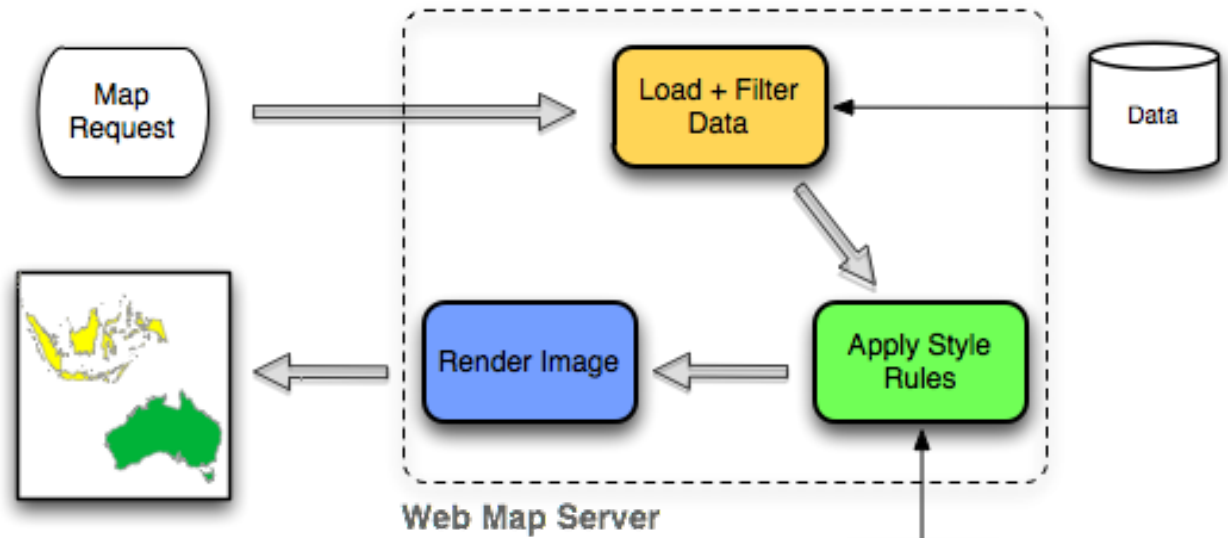
- I-M zones
- I-L zones
- LI zones
- MFR-15 zones
- MFR-20 zones
- MFR-30 zones
- RR-5 zones
- SFR-00 zones
- SFR-10 zones
- SFR-2 zones
- SFR-4 zones
- SFR-6 zones
- SR-1 zones
- SR-2.5 zones

Module 3: WFS Editor

The screenshot displays the WFS Editor interface. On the left is a map area with navigation controls (compass, zoom in, zoom out) and a blue polygon being edited. Below the map are buttons for 'Insert', 'Delete', and 'Update'. A 'GetFeature' callout points to a feature in the table. The right side shows a 'Feature Table - Medford Parks' with columns for Name, Owner, Usage, and # of Facilities. The bottom toolbar includes 'Create', 'Delete', and 'Save' buttons.

Name	Owner	Usage	# of Facilities
Howard Elementary	Medford School District	Public	0
Howard Elementary	Medford School District	Public	2
Street Green	City Of Medford	Public	0
Ruhl Park	City Of Medford	Public	0
Holmes Park	City Of Medford	Public	2
Holmes Park	City Of Medford	Public	0
Bear Creek Amphitheater	City Of Medford	Public	0
Bear Creek Park	City Of Medford	Public	4
Bear Creek Park	City Of Medford	Public	0
Virginia Vogel	City Of Medford	Public	0
Washington Elementary S	Medford School District	Public	2
Washington Elementary S	Medford School District	Public	0
Fitchner-Mainwaring	City Of Medford	Public	4
Fitchner-Mainwaring	City Of Medford	Public	0
Veterans Park	City Of Medford	Public	0
Spiegelberg Field	Medford School District	Public	0
Santo Community Center	City of Medford		0
Prescott Park	City Of Medford	Public	0
Persisted Park	WFS Editor	Any	666

Module 4: More OGC Services



Try this at Home!

http://presentations.opengeo.org/2009_FOSS4G/gx_tutorial.zip

Thanks for your Feedback

<http://tinyurl.com/foss4g-survey>

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