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# GeoMedia WebMap Basic Training

Hexagon's Geospatial Division

January 10, 2020

## Scope

The goal of this training is to provide an introduction to the Hexagon Power Portfolio GeoMedia WebMap, Geospatial Portal, and Geospatial SDI.

Attendees will start by installing and configuring the products, and then learn how to prepare and publish dynamic vector and raster web services, configure Geospatial Portal and Consumer portal instances to be served over the web, and perform advanced configuration using Geospatial SDI features.

The training is aimed at Geo-ICT developers, project engineers, and technical presales consultants.

## Agenda

General rules:

- Training will be conducted from 9 am to 5:30 pm (can be adjusted)
- There will be 15-minute breaks during the training and a 1-hour lunch break
- Attendees need to bring their own laptops

DAY1	
Morning	<b>Basic GeoMedia WebMap Concepts</b> <b>Installation and Configuration</b> <b>Admin Console</b> <ul style="list-style-type: none"> <li>• Running the administration console</li> <li>• Administration console user interface</li> <li>• Securing the administration console</li> </ul>
Lunch Break	

Afternoon	<p><b>Basic Web Services</b></p> <ul style="list-style-type: none"> <li>• Configuring WMS service</li> <li>• Configuring WFS service</li> </ul> <p><b>Geospatial Portal</b></p> <ul style="list-style-type: none"> <li>• Creating instances</li> <li>• Displaying data</li> </ul> <p><b>Consumer Portal</b></p> <ul style="list-style-type: none"> <li>• Creating instances</li> <li>• Starting map</li> </ul> <p><b>Setting Map Variant Behavior</b></p>
<b>DAY 2</b>	
Morning	<p><b>Geospatial Portal Configuration</b></p> <ul style="list-style-type: none"> <li>• Starting configuration</li> <li>• Map variants behavior</li> <li>• Map services</li> <li>• Layouts</li> <li>• Advanced configuration features</li> </ul> <p><b>Advance Service Configuration</b></p> <ul style="list-style-type: none"> <li>• WMS</li> <li>• WFS-G</li> <li>• WMPS</li> </ul> <p><b>WMTS</b></p>
Lunch Break	

Afternoon	<p><b>3D Data Display</b></p> <ul style="list-style-type: none"> <li>• Extruded WFS</li> <li>• Smart tiles</li> </ul> <p><b>Geospatial SDI</b></p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Features and services</li> <li>• Applying security on WFS or WMS</li> </ul> <p><b>Adjusting GeoMedia WebMap Settings</b></p>
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## Prerequisites

- Knowledge of the main OGC services
- GIS skills: geospatial information, data formats, coordinate systems, etc.
- Basic IT skills: database configuration, server configuration, networking, etc.
- GeoMedia Advantage basic skills (will be provided as the first three days of training)

### Hardware requirements

Supported and Recommended	
<b>CPU</b>	4 GHz minimum, hyper threading or multi-core recommended
<b>Memory/RAM</b>	16 GB minimum
<b>Display Properties</b>	24-bit color depth
<b>Screen Resolution</b>	1024 x 768
<b>Peripherals</b>	Mouse
<b>Networking Hardware</b>	Simple TCP/IP, network card

### Software requirements

Oracle Virtual Box

### Disk space requirements

GeoMedia Webmap and Geospatial Portal will be installed on a VM provided to the trainees. Therefore, at least 20GB is needed on the laptop or on an external drive.

## Additional Resources and Documentation

- GWM Administrator Guide:  
[https://hexagongeospatial.fluidtopics.net/reader/VN16UWekLH1le76alrgScw/jqIYRrere1Ux\\_jgCFdt65g](https://hexagongeospatial.fluidtopics.net/reader/VN16UWekLH1le76alrgScw/jqIYRrere1Ux_jgCFdt65g)
- GWM Installation Guide:  
[https://hexagongeospatial.fluidtopics.net/reader/NxkWKxkdE9ESpFgQYCGUAW/6223Mx1m0kf2GZ\\_hubL2KA](https://hexagongeospatial.fluidtopics.net/reader/NxkWKxkdE9ESpFgQYCGUAW/6223Mx1m0kf2GZ_hubL2KA)
- GSP Administrator Guide:  
<https://hexagongeospatial.fluidtopics.net/reader/bSBqSYifEPPaHz4za6Htw/9y7SFZRUz9MrjvG85yDHPA>
- GSP Installation Guide:  
<https://hexagongeospatial.fluidtopics.net/reader/1g6EZEe1C6gJYFGIZw93ug/wFqHCKmAw0O4xEoydFOw1A>
- GSP User Guide:  
<https://hexagongeospatial.fluidtopics.net/reader/GXVCi97Y21L7AZNaaZPN0w/wk~Dvd2nKWX1O4fytoIhgA>
- e-Training on the Community:  
<https://community.hexagongeospatial.com/t5/WebGIS/tkb-p/eTWebGIS>

## Public training schedule

Date	Location	Type

## About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.

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