



GeoServer

Duration | 2 days | 9.15am – 5pm **Cost** | £800 ex VAT

Prerequisites | experience of GIS software is desirable

Day 1

Welcome to Dotted Eyes

A brief introductory module:

- Course overview
- Course resources & amenities
- About Dotted Eyes

Introduction to open source

- Open software
- Open standards
- Open data
- Introduction to GeoServer and PostGIS

Installation and configuration of software

- Installation of GeoServer
- Installation of Java
- Installation of Quantum GIS
- Installation of Postgres and PostGIS
- Loading data into PostGIS using SHP file importer and FME

Publishing data through GeoServer

- GeoServer settings
- GeoServer workspaces, data stores and data layers
- Creating group layers
- Publishing:
 - vector SHP files
 - PostGIS tables
 - raster data

Styling Layers

- Styling points and polygons
- Rule based styling
- Importing user defined symbols
- Adding labels to features
- Zoom based styling
- Styling raster data

Day 2

Filtering data

- Attribute filters
- Wildcard filters
- Spatial filters
- Logical filters

WFS and WMS

- Accessing data sources using Web Mapping Services (WMS)
 - creating a WMS
 - accessing a WMS using desktop GIS
- Accessing and manipulating data sources using Web Feature Services (WFS)
 - creating a WFS
 - Accessing a WFS using desktop GIS
 - Editing source data using WFS

Tips and tricks

- Utilising GeoWebCache to improve raster viewing
- General performance tips
- Optimisation techniques

Course in brief

GeoServer is an open source spatial data publishing server that allows users to share and edit geospatial data. Designed for interoperability, it publishes data from any major spatial data source using open standards.

This hands-on training course is designed to help you get started with GeoServer, illustrating the installation options, the design of the graphical user interface, vector and raster data publishing options from a number of data sources (such as SHP file and PostGIS), styling and filtering options for data layers and options for accessing the data services using WMS and WFS through client applications, such as MapInfo Professional and Quantum GIS.

Other services

We also run public training courses on PostGIS and OpenLayers, and offer open source development, support and a Spatial Starter Kit. For more information, visit www.dottedeyes.com/opensource



Check availability or buy online at www.dottedeyes.com/buytraining

Or call our Training Sales Manager on 01527 556930 for advice

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About Dotted Eyes Training

Training Facilities

Our custom built training suite at Hanbury Court in North Worcestershire provides purpose built facilities for up to 10 delegates. Each delegate has individual use of a PC and the latest edition of the relevant software, unless otherwise stated.

Disabled access: There is full disabled access to the building with dropped kerbs offering easy access. All training is conducted on the ground floor where a dedicated disabled washroom is also situated for your convenience. We are especially keen to welcome disabled guests and make their visit as comfortable as possible.

Car parking: There is free car parking on site.

Dietary requirements: All courses include lunch as well as mid morning and afternoon refreshments. We are happy to cater for vegetarians and those with other dietary requirements, providing we have advance notification.

Opening hours: Access to the building is available from 8:30am to 5:45pm on training days.

Internet access: Delegates can use the internet or check webmail on their training PC during breaks

Taxis: Dotted Eyes staff are happy to arrange a taxi to return delegates to their hotel or the train station, if required.

Accommodation: View local accommodation at www.dottedeyes.com/accommodation

Certification

This course is accredited by the Association for Geographic Information (AGI) and contributes towards achieving Chartered Geographer status. Delegates who attend are eligible to receive 7 CPD points towards their Continual Professional Development.

Many of Dotted Eyes public courses are accredited by the Association for Geographic Information (AGI) and contribute toward achieving Chartered Geographer status. Delegates who attend are therefore eligible to receive CPD points towards their Continual Professional Development. A certificate is provided to each delegate upon completion of the course.

If you require a bespoke course especially to suit your organisation's requirements we can also apply to have your customised training materials accredited by the AGI.

Chartered Geographer - CPD Points - In order to meet the requirements laid down by the Royal Geographical Society - Institute of British Geographers (RGS-IBG), a minimum of 35 CPD hours (known as points) must be collected each year to gain and maintain Chartered Geographer (GIS) status. Of these, 20 hours should be sourced from external training/development, and the remaining 15 hours from internal training and development. Although these hours can be made up of any number of different activities, the RGS-IBG and AGI insist that annual CPD submissions are both balanced and relevant in their make-up.



About Dotted Eyes

With a long heritage as innovators of data and information solutions for private and public sector organisations, for more than 20 years Dotted Eyes has pioneered location-based intelligence products and services which enable better-informed business decision making at every level of business operations.

Serving some 900 customers UK-wide, through expert consultancy, training and product development in healthcare, local government, not-for-profit and the commercial sector, Dotted Eyes' mantra is to '*simplify, automate and integrate*' data and information. This approach uniquely equips senior and departmental levels of organisations to access, visualise, analyse and share complex data in simple, useable formats to make more cost-effective, locally-relevant decisions.

It serves 220 Local Government customers, some 130 UK Primary Care Trusts, every ambulance service in England and Wales and household name not-for-profit organisations like the National Trust, among others.

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Dotted Eyes Training Courses

MapInfo Professional courses
with 30 days free technical support

Introduction to MapInfo Professional

2 days | Public or bespoke
Healthcare and Church of England
specific courses also available

Advanced MapInfo Professional

2 days | Public or bespoke
Healthcare and Church of England
specific courses also available

Migration to the latest version of MapInfo Professional

1 day | Public or bespoke

MapInfo Professional Refresher

1 day | public or bespoke

Vertical Mapper

1 day | Public or bespoke

In addition to these courses, we also
offer MapInfo Professional Quickstart
Days to help you get up and running
quickly.



dottedeyes.com/mapinfotraining

FME courses

with 30 days free technical support

Introduction to FME Desktop

2 days | Public or bespoke

Advanced FME Desktop

2 days | Public or bespoke

FME Server (Authoring)

1 day | Public or bespoke

In addition to these courses, we also
offer FME Quickstart Days with our
FME Certified Professionals. These
mentoring sessions are designed to
help you get up and running with
the software as quickly as possible.



dottedeyes.com/fmetraining

Open source courses

GeoServer

2 days | Public or bespoke

PostGIS

1 day | Public or bespoke

OpenLayers

1 day | Public or bespoke

dottedeyes.com/opensourcetraining

Online training

We are building a library of short
online videos, which will be
presented by our Training Manager,
David Crowther.

All you need to watch them is 5
minutes, an Internet connection
and some speakers/headphones.

dottedeyes.com/onlinetraining

Delegate comments

"I highly **recommend** Dotted Eyes
to anyone interested in training on
GIS"

"Trainer made **great efforts** to
explain in a clear and concise way"

"Very **useful** course, excellently
demonstrated"

"Truly **great course**, just like the
introductory one"

"**Fantastic** day course, well worth
the time"

"I have had **excellent feedback**
regarding David's training style,
content and ability to keep the
attention of the trainees over the
past two days.

As a result of this I have now got
some very **enthusiastic** GIS users,
all very keen to have a go at doing
their own GIS mapping. This is a
godsend to me as we don't have a
GIS section."

Booking a place

You can book places online at
www.dottedeyes.com/buytraining

If you require assistance in
selecting a course, please call
our Training Sales Manager on
01527 556930 or email training@dottedeyes.com

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