

eSpatial OnDemand GIS™ technical specifications

User interface

We recommend using Internet Explorer 8, or Mozilla Firefox 7 for the best user experience.



We support the following browsers:

- Internet Explorer 7, 8 & 9.
- Mozilla Firefox 3.6, 4, 5, 6 & 7.
- Chrome 11, 12 & 13.
- Safari 5 & 5.1.

No additional downloads or plug-ins are required to use eSpatial OnDemand GIS.

Supported file formats

Supported file formats include:

- **Import:** CSV files with addresses or x,y locations; DGN, GEOJSON, GML, SHP, TAB.
- **Export:** BMP, GIF, JPEG/JPG, KML, KMZ, PDF, SHP, TIF/TIFF, selected feature attribute info as CSV.
- **Generate reports:** CSV, HTML, PDF, RTF, XLS.

Integration capabilities

Integration capabilities include:

- Configurable URLs to and from eSpatial OnDemand GIS.
- OGC Web services (WMS, WFS / WFS-T, GML), and the ability to connect to WMS services.

Technical specifications for Software-as-a-Service (SaaS) delivery

eSpatial OnDemand GIS is deployed on Amazon EC2, on the Fedora Linux operating system from Redhat, and with an Oracle Database. It uses an LDAP server for user authentication and tenant details.



Technical specifications for in-house server delivery

Deployment

eSpatial OnDemand GIS will be made available for in-house server deployment shortly. It will support

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the following environments:

- **Database server**
Oracle 11g (R2), or 10g (R2). May use Oracle Spatial option, or Locator.
- **Application server**
Supported Enterprise Java application servers: Apache Tomcat v6.0 (with Java 1.6 & Bitronix v1.2), Oracle Weblogic v10.3 (with Java 1.6).
- **Supported operating systems**
RedHat Enterprise Linux AS 4 (Intel x86-64), Windows 2003 Server 64 bit (x86-64), Solaris 10 (SPARC).

Multi-tenancy administration

eSpatial OnDemand GIS for the in-house server installation provides services for multiple tenants from within the same application servers and database. Key additional functions for the installation owner are:

- Tenant administration: Create and manage tenants.
- Optional tenant “self-service” registration.
- Statistics on use and performance, by tenant.
- Audit log of all user actions, including configuration.
- Administration of database access.

Hardware requirements

The web application server on which eSpatial OnDemand GIS is installed must have an Intel or compatible x86-64 64-bit CPU architecture, except with the Solaris operating system, which must be on a SPARC server.

Hardware requirements depend on expected user numbers, data sizes, usage patterns etc. eSpatial OnDemand GIS is typically deployed with separate application and database servers. Multiple application servers may be used for scalability and fail-over. Separate web servers may also be deployed.

A typical application server would have 2 X 2+core (2GHz+) 64-bit CPUs, 16GB+ RAM, 20GB+ Disk. A typical database server would also have RAID 5+ disk array, >100Gb capacity.

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About eSpatial

eSpatial is a leading provider of Geographic Information Systems (GIS), and a pioneer in the provision of location intelligence delivered via Software-as-a-Service (SaaS).

Our flagship product, eSpatial OnDemand GIS, is the world's first full-function available via SaaS delivery. It combines the latest innovations in software delivery and usability with the traditional performance of in-house GIS, over the web.

We are proud to work with leading technology partners such as Oracle, NAVTEQ and Digital Globe; and to count many leading organisations amongst our global customer base.

eSpatial is headquartered in Dublin, Ireland.

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