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# eVO™ Earthlight

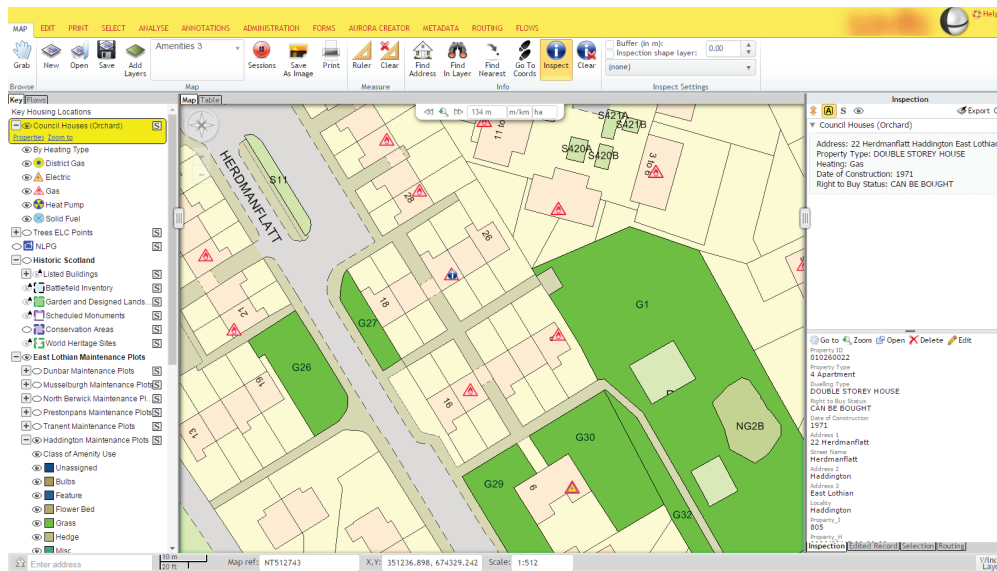
Earthlight - part of the eVO Platform - is StatMap's fully-featured enterprise-wide intranet GIS application, built specifically for the Web - utilising a JavaScript internet browser client.



## StatMap

Advanced. Reliable. Simple.  
Choose any three.

# Earthlight



## Simple Configuration and Administration

All administrative tasks can be performed via the internet browser client. Users and GIS data are managed via the Earthlight JavaScript application user interface. This avoids many administrative headaches of installing, patching and maintaining separate applications on PCs and machines throughout the organisation. All data is stored centrally on the server making backing up your installation a hassle-free process.

## Geometry / Data Editing in the Internet Browser

Edit and maintain your data using the same tools that you would use in desktop GIS - but in an internet browser. Earthlight editing is unique and cutting-edge in terms of the sophistication and power of its data creation and editing capabilities. Whilst you can use Earthlight in addition to desktop GIS applications (e.g. ESRI ArcGIS, MapInfo Professional, QGIS, etc), Earthlight provides you with the ability to dispense with desktop GIS for editing – as its tools are the equivalent of, or more powerful than, desktop GIS applications.

## Interoperability

Works with Oracle 11+, SQL Server 2008 (and higher), or PostgreSQL (with PostGIS extension) - using the respective native spatial format, allowing seamless interoperability with other GIS products. You can also use file-based data, via OGC-compliant formats, such as .shp, .tab, .KML, .gml, etc. Earthlight works equally well with both vector and raster base data.

Customers of eVO products receive a free copy of our OS vector data (including OS MasterMap) loading software called Courier: the fastest and easiest-to-use OS vector data loading software on the market. Working with SQL Server, PostGIS, and Oracle.

## Earthlight eVO's Unique Features



## Scalability

Unlimited users and role functionality (e.g. unlimited advanced editors and analysts) served from a single server



## Performance

No waiting around. Works faster than traditional desktop GIS.



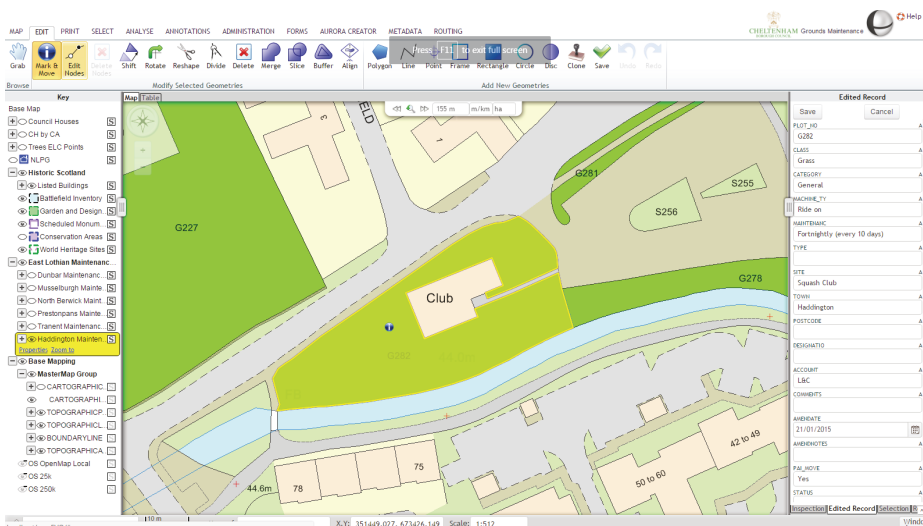
## User Experience

A browser based application that looks and feels like a desktop product and can provide all major functionality / capabilities normally only associated with desktop GIS



## Architecture

Designed specifically for the web using future proof (and now open) technologies such as the Microsoft .Net Core Framework and JavaScript.



## Desktop GIS

Earthlight Spatial Data Repository  
data can also be connected to, edited  
and analysed in their native formats  
in cases where clients wish to also  
use desktop GIS products - e.g. QGIS,  
ArcGIS, MapInfo Professional, etc.

Therefore, you can continue to edit and maintain data in your spatial data repository database using desktop GIS products, if desired.

## Speed

Earthlight has been designed to work quickly without interrupting a user's workflow. Once you open a map and add a new layer it appears instantly on the screen. There's no waiting around for a minute or two wondering what has happened.

Thanks to our advanced rendering capabilities you can see your MasterMap data exactly as Ordnance Survey intended. We fully comply with the MasterMap styling guidelines.

## Scalability

Earthlight's design allows the application to be massively scalable. We can support hundreds of sessions on a single server. All sessions are completely isolated from each other, so a problem in one session can't bring the entire system down.

# Earthlight has been designed to work quickly without interrupting a user's workflow.



## Secure

Earthlight eVO doesn't compromise your network. The only connection it needs is to the database where the data is stored.

Earthlight can be safely deployed as your organisational enterprise GIS in the Cloud or within the organisation's internal server network. It does not require any special configuration of the web server (IIS), nor does it require changes to your firewall.

## Searching

Easily and effortlessly perform simple or complex spatial and attribute searches on unlimited quantities and extents of data. From posing simple questions such as find the number of schools within 5 km of a point, to extracting data upon national scale data – e.g. properties within high risk flood areas within the UK. All results of searches and queries can be extracted to popular formats (e.g. .shp, .tab, mid/mif, Excel, .csv) and also creating new datasets within the corporate spatial repository database. Such is the power of Earthlight, you can do the same as you would using top-end desktop GIS – except that Earthlight is faster!

## Styling and Presentation

Complex, sophisticated and powerful thematic mapping is built effortlessly and deployed instantly to all of your users, wherever they may be. All the normal capabilities one would expect to find via desktop applications is delivered via the browser. For example you could build a map of crime statistics that colours areas different based on their susceptibility to crime. All standard Ordnance Survey styling can be incorporated into all OS-related background mapping.



# EARTHLIGHT IN BUSINESS



## Printing

Earthlight provides the ability to create complex, multi-window print templates using its powerful, yet simple-to-use, 'What you see is what you get' in-built map template creator. You can recreate all of your existing departmental and business print templates, and deliver these and other unlimited options to all users/groups. Users can have an unlimited choice of templates available, and (if granted the capability) create new ones, change existing templates and tailor to suit their requirements. Printing is provided via the industry standard Adobe PDF or image (.bmp, .jpeg, .tif, .png) formats. Maps can be emailed or saved in these formats, or sent straight to the printer.

## Architecture

The EVO Platform - of which Earthlight is part - is designed from the ground up as a pure server application. It is not a redesigned desktop product, unlike many other competing products.

eVO is a multi-tiered software platform with unlimited scalability designed into it from the beginning. Built upon 64-bit architecture, eVO takes advantage of modern servers that can have enormous amounts of memory and many CPU cores available to them - providing you with unparalleled performance.

## Cross Platform

Earthlight - like all other eVO Platform products, is supported on cross platform operating systems, including Microsoft Windows Server, Linux CentOS and Apple OS X. So providing you with the opportunity for flexibility in your hosting choices if hosting internally. StatMap's Cloud-hosting option provides hosting on the Microsoft Azure UK Data Centres.

The Earthlight JavaScript client is available via all popular internet browsers, meaning that you can use it on all and any device.

MS Internet Explorer 11+, MS Edge, Firefox 50+, Google Chrome 50+ and Safari browsers are supported.



## AMONGST THE MANY OTHER FEATURES OF EARTHLIGHT:

- Routing and Isochrone creation: create multi-nodal travel analysis across the UK, using multiple sites, optimising routes and sequencing for travelling between a few or many locations, using OS ITN and the latest OS Highways for navigation. Earthlight provides a rich and powerful means of dynamic allocation of delivery / pickup locations to service providers, depot locations, and also identifying sites and areas which fulfil multiple business criteria – e.g. land within travel times / distance of multiple points of travel origin.
- Geofencing and Barriers are included to enrich and empower optimisation of your fleet operations and reporting. All Routing and sequencing operations can be run out of hours, so delivering work sequencing to crews and employees at the beginning of the day, minimising travel time but at the same time ensuring that the right people go to the right jobs (e.g. specialist units attend locations having specialist requirements).
- Address Gazetteers: any number of gazetteers, of any geographic extent, can easily be configured by administrators and users to be searched, using any dataset you wish, from AddressBase™ to client lists. StatMap also supply a UK-wide AddressBase Premium service which can be utilised within Earthlight for all of your users.
- Batch geocoding: geocode massive datasets against local and national gazetteers, using multiple addressing products to refine geocoding and provide you with unbeatable geoprocessing power for enterprise and business data.
- QA / QC Data Control: data analysis and application of user built rule sets to test the validity of data within the spatial data repository database.

**Versions:** available in the highest Galactic version of Earthlight eVO. A more efficient and effective means of implementing previous legacy lineage and change history implementations for managing large data projects and reconciling changes using long transaction processes, and identifying and detecting change conflicts.

### eVO Flows

eVO Flows™ is delivered incorporated into Earthlight and provides you with an incredibly powerful means of controlling virtually all elements of the eVO Platform products and their operations. Control is achieved by creating work processes which are constructed using the Flows builder visual drag-and-drop tools (integrated into the Earthlight JavaScript internet browser client). A Flow controls geospatial analytical and business function work routines, which would otherwise require repetition using manual input. It also enables the building of complex and sophisticated routines for analysis, enabling even Non-GIS specialists to construct detailed sequential routines which undertake analysis on business data within your spatial data repository.

Flows can be used to control all aspects of enterprise spatial, including controlling team and individual user level data projects, creating new analytical routines (which can be delivered via custom buttons via custom screen interfaces), etc.

Amongst many other uses, eVO Flows enables you to create and automate Data Extraction, Parsing, Conversion and Analysis. Complex routines and tasks can be executed at more convenient times, such as the early hours of the morning. eVO Flows Builder helps address many business challenges that arise in GIS as well as non-GIS environments by providing tools to streamline and standardise your business processes as Flows. It also provides tools for creating a unit of work called a Task, allocating resources, and tracking the status and progress of Tasks.

**eVO Flows – Public Applications:** Flows are also used to build and deploy applications for public-facing applications. In this way, you are able to make precisely the same capabilities available for public-facing applications as well as your internal corporate enterprise applications.

There is no deployment necessary to make Flows built in eVO Flow Builder available via the web, as you're already building and working on web applications which – as soon as you save them – are available to any and all users via the Earthlight application server. You do not require developers, access to the server, manual intervention, the creation of websites, server configuration, etc. Everything is achieved at the click of a button.



## Complete Solution

Whatever your enterprise geospatial requirements, StatMap's eVO Platform has the most advanced, cutting-edge and cost-effective solution available.

Contact us For additional information, demonstrations, discussions and consultations, please call us on: **0844 376 4321** or e-mail us at **[info@statmap.co.uk](mailto:info@statmap.co.uk)**

StatMap operate a flexible discount pricing policy and orders can be negotiated on an individual basis.

## CONTACT US

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