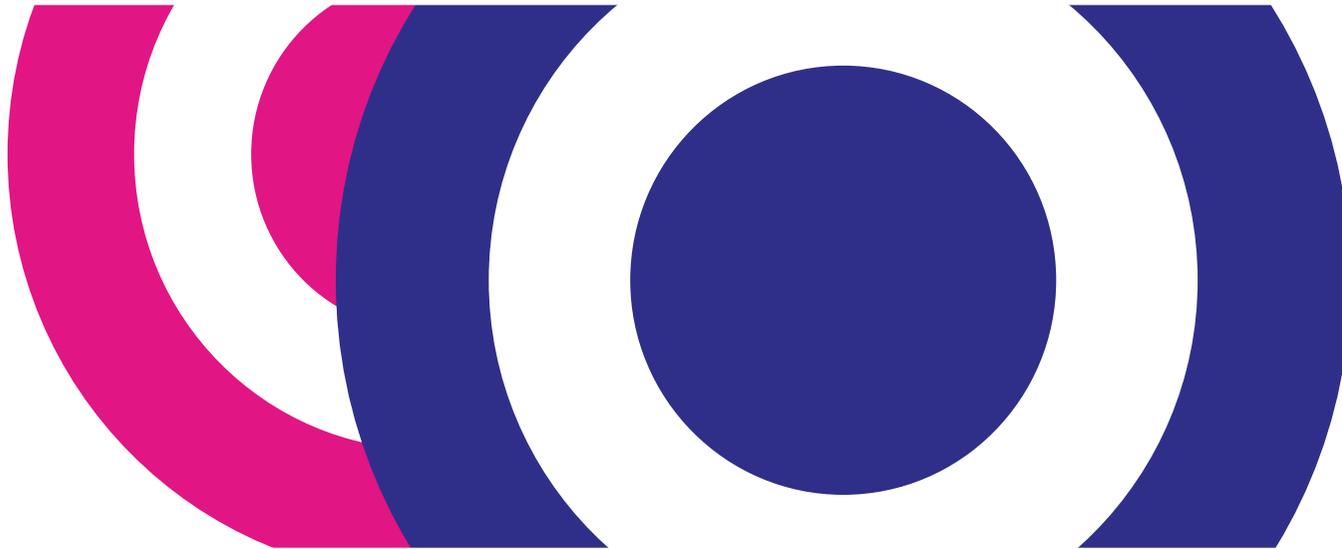


OS OpenSpace Pro

Getting started guide

v1.1



OS **OpenSpace**®
Pro 

Introduction

Welcome to OS OpenSpace® Pro getting started guide. You will have been provided with your OS OpenSpace Pro API key and URL and should be ready to start building and testing your application.

We have developed this getting started guide to provide you with instructions and supporting information on how to get the best out of OS OpenSpace Pro.

In this document you will find simple code examples, common questions and answers, a number of case studies provided by our existing OS OpenSpace Pro customers and where to find further help and support.



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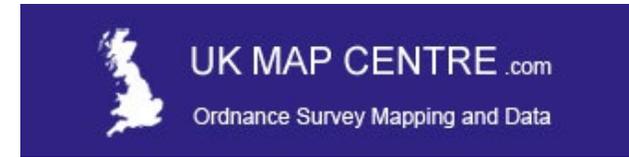
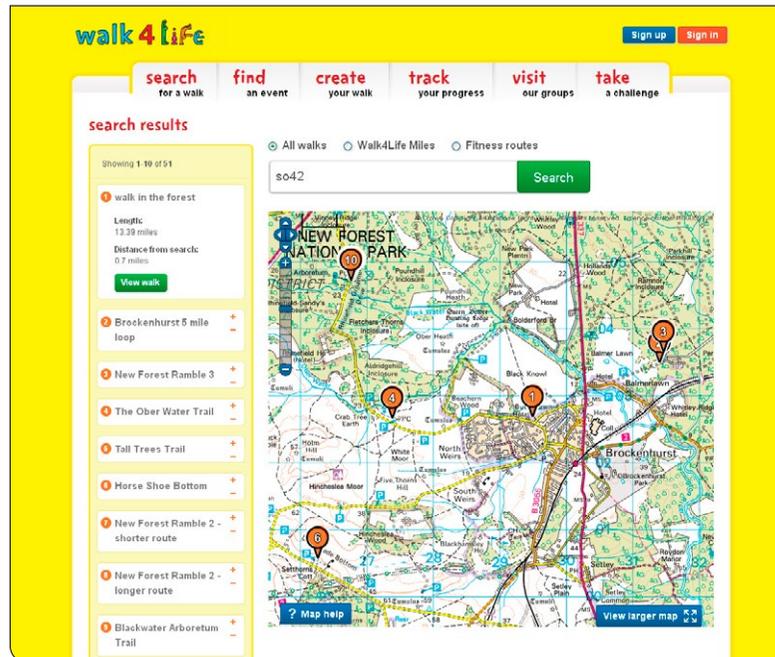
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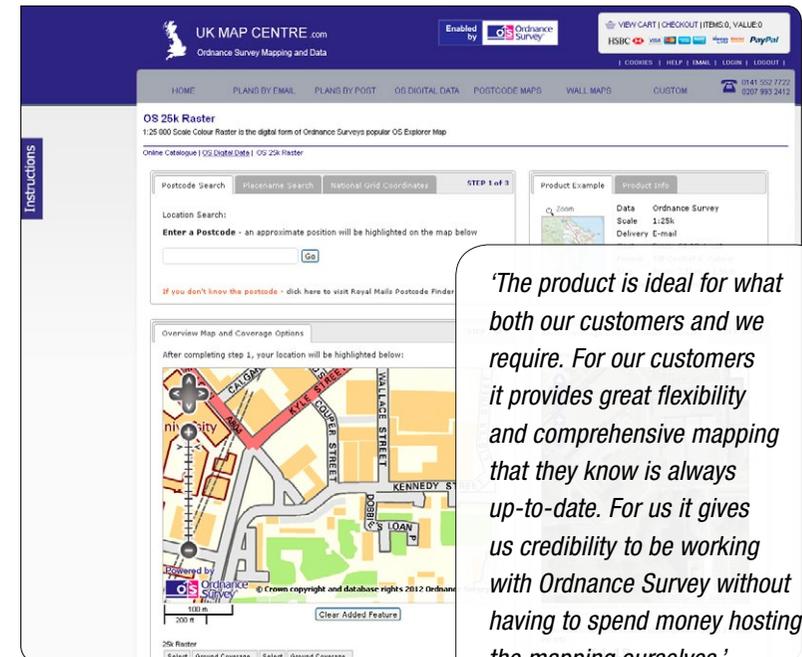
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OS OpenSpace Pro is a fundamental part of **Walk4Life**. Using the mapping tools, you can plot the route of your walks and track the mileage. This can be done online or via the new free Walk4Life application (app), which aims to encourage people to become aware of how short distances can add up, and so to provide the motivation to walk just that bit more each day.



OS OpenSpace Pro provides **UK Map Centre** with a comprehensive range of mapping options right down to street level. This mapping can be bundled with more detailed Ordnance Survey mapping to provide a comprehensive 'planning pack', increasing business opportunities.



'The product is ideal for what both our customers and we require. For our customers it provides great flexibility and comprehensive mapping that they know is always up-to-date. For us it gives us credibility to be working with Ordnance Survey without having to spend money hosting the mapping ourselves.'

A.N. Other, UK Map Centre

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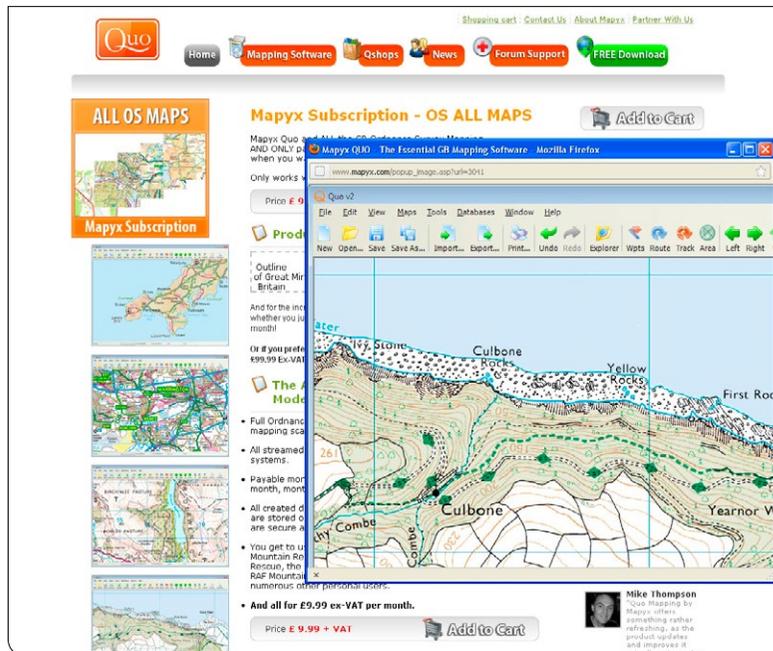
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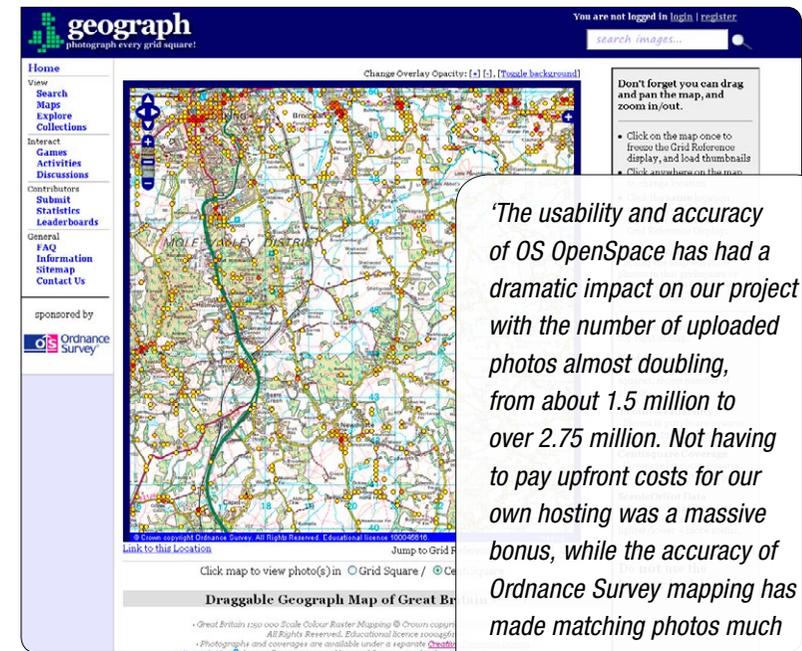
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Mapyx already had a powerful GIS solution that was in use by a number of leading organisations, including rescue services, the MOD and the police. But for their personal users involved in outdoor pursuits they needed a more flexible range of mapping options. By using OS OpenSpace Pro, they were able to introduce a monthly subscription service, where instead of having to pay for each individual map and scale option required, they could pay a single monthly fee and have unlimited access to a comprehensive range of Ordnance Survey mapping options, ranging from a scale of 1:250 000 down to 1:10 000 at street view.



The **Geograph**[®] Britain and Ireland project aims to collect geographically representative photographs and information for every square kilometre of Great Britain and Ireland. Geograph were keen to access 1:25 000 scale mapping to use within their application, so chose OS OpenSpace Pro. In the last 18 months this has allowed them to replace all the geo-referenced mapping links they had within the site and provide an improved experience for their users.



'The usability and accuracy of OS OpenSpace has had a dramatic impact on our project with the number of uploaded photos almost doubling, from about 1.5 million to over 2.75 million. Not having to pay upfront costs for our own hosting was a massive bonus, while the accuracy of Ordnance Survey mapping has made matching photos much easier.'



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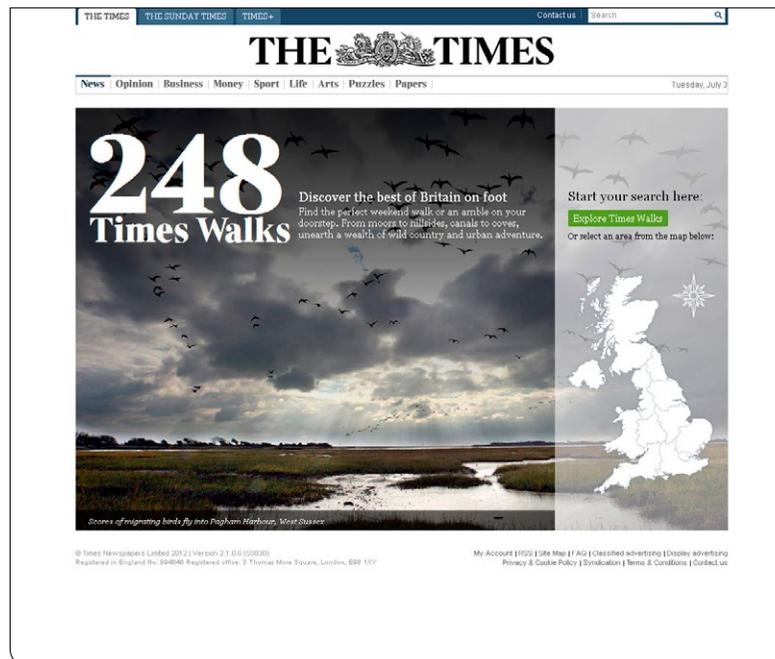
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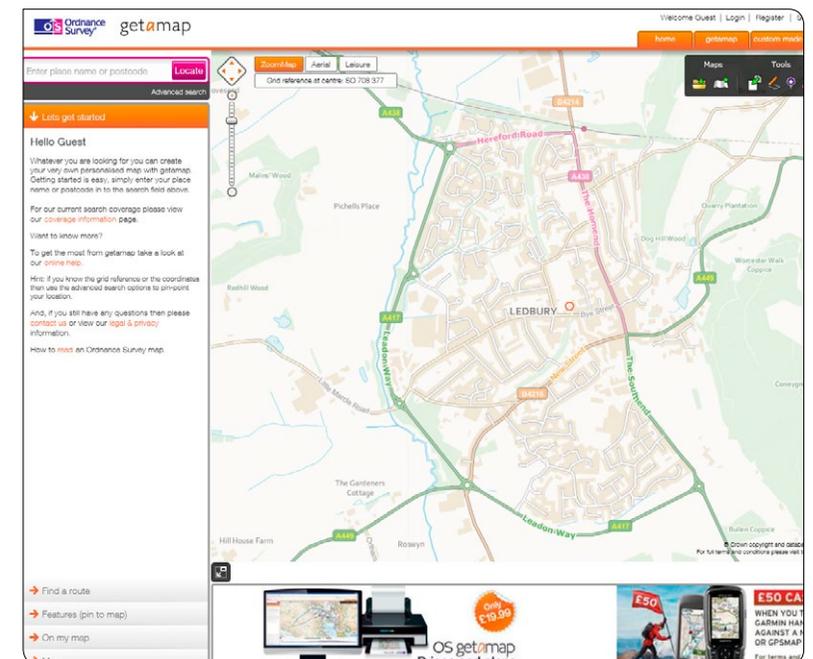
TIMESONLINE

News International Supply Company Limited launched their app **Times Walks**, to help to discover the best of Britain on foot. Times Walks is available to subscribers of **TIMESONLINE** and lists around 248 of the most popular walks across the country, as well as the option to upload your chosen walks.



OS getamap

The **OS getamap™** app from Ordnance Survey Leisure integrates data from OS OpenSpace Pro and other sources, to allow visitors to view data from zoom map, at scales of 1:25 000 and 1:50 000. OS getamap is ideal for anyone with an interest in outdoor activities. Within the first six months since the launch, just under 500 000 people had used the application for plotting routes, checking the weather and printing maps.



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Q. What can OS OpenSpace Pro be used for?

A. OS OpenSpace Pro can be used in a variety of applications, for example:

- Marketing campaigns
- User location provision
- Tracking
- Navigation
- Route planning
- And much more

Q. What data is available through OS OpenSpace Pro?

A. We have two separate data stacks available to users; full details of this can be found on [page 10](#).

Q. Are there any usage limits?

A. No there are no usage limits on OS OpenSpace Pro.

Q. What is a session?

A. A session means a period of time commencing when an end-user accesses licensed data through OS OpenSpace Pro and expires as soon as one of the following occurs:

- The end-user navigates away from or ceases to be connected to OS OpenSpace Pro.
- 24 hours have passed since commencement.

Q. How do I move from the trial to a full licence?

A. Full details of this can be found further on [page 11](#).

Q. What browsers are supported?

A. OS OpenSpace Pro currently supports Internet Explorer 6+, Firefox® 1.5+, Safari 2+ Opera 8+ and Google® Chrome 1+.

Q. Is there a service level agreement (SLA)?

A. Yes we do have an SLA; full details of this can be found further on [page 9](#).

Q. Can OS OpenSpace Pro be used internally?

A. OS OpenSpace Pro can be used internally to view Ordnance Survey data when used in conjunction with the [Viewing Tracking and Scheduling Contract](#). Contact Customer Services for more information.

Q. How much does OS OpenSpace Pro cost?

A. For details on the pricing structure, please contact our new business team via email at: newbusinessenquiries@ordnancesurvey.co.uk

Code examples

Below is a simple code example to get you started with a basic map showing all layers.

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Open Space Tutorial - Example 1</title>
<script type="text/javascript" src="http://osopenspacepro.ordnancesurvey.co.uk/osmapapi/
openspace.js?key=insert_your_api_key_here"></script>
</head>
<body onload="init()">
<script type="text/javascript">
    var osMap;
    function init()
    {
        osMap = new OpenSpace.Map('map');

        osMap.setCenter(new OpenSpace.MapPoint(438760, 114760), 10);

    }
</script>
<h1>Displaying a marker on a map</h1>
<div id="map" style="width: 500px; height: 300px; border: 1px solid black;"></div>
</body>
</html>
```

We have developed a code playground, for use with further examples such as:

- Display a basic map using the zoom map stack.
- Display a basic map with postcode/gazetteer search.
- Display a basic map with markers.
- Display an admin boundary.
- Plus many more examples.

Visit the [OS OpenSpace code playground](#).

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Q. I keep getting an API invalid message; why is this?

A. This is usually to do with the URL in your code. Try amending the URL to read osopenspacepro.ordnancesurvey.co.uk – this will ensure you are pointing your key to the correct mapping library.

Q. I am getting an http referrer error; why is this?

A: This is usually because the URL of the web page that you are trying to display the map on had not been registered against the key. If this happens, please email all your valid URLs to businessenquiries@ordnancesurvey.co.uk

Q. I keep getting a 'sorry map tile cannot be displayed' error; why is this?

A: This is usually a coding issue and there could be a number of reasons for this, we would suggest you first ensure you are calling the map correctly, and make sure you are requesting the mapping by product code and not resolution. Check for any typos and badly-placed uppercase letters. If you are still getting the error, please send us your code and URL to businessenquiries@ordnancesurvey.co.uk and we will look into this for you.

Q. Can I limit the number of mapping layers I display?

A. Yes you can, by simply deleting the product code of the mapping layers you no longer want to display from your source code.

Q. I am getting really large gridlines which are obscuring the mapping; why is this?

A. This is down to the border preferences you have set in your code; if you reduce your border code to zero this should resolve your issue.

Q. Can I make the mapping screen as big or as small as I need to?

A. Yes you can set the screen to any size you wish.

Q. Do I need to sign up to the free trial before I can use OS OpenSpace Pro?

A. Yes, we recommend that you sign up for an API key on our OS OpenSpace website so you can start developing straight away, subject to the terms and conditions; once this is complete, the API key can be upgraded to OS OpenSpace Pro once all the licences are in place.

Service levels

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Service levels	Service availability
Service availability*	99.9% 24/7 (44 minutes/month)
Planned maintenance	8.00 am–10.00 am on Thursdays and 8.00 am–2.00 pm on Sundays Five days notice is provided for planned maintenance.

The OS OpenSpace Pro service is available 24/7, with phone support from 8.30 am to 5.30 pm direct to the Customer Service Centre.

Availability – the amount of time expressed as a percentage in a calendar month that the service is available. This is the equivalent to Google’s monthly uptime percentage.

Data start time – the time it takes for the server side systems, following a request from our test domain, to send the first byte of data back to the test domain using two Mbps download speed.

Downtime period – the period of time when the data start time, less than three seconds for at least 10 consecutive minutes.

In any calendar month the availability for OS OpenSpace Pro is calculated by subtracting all downtime periods from the number of minutes in a calendar month, divided by the number of minutes in a calendar month.

Scheduled downtime – there will be available planned downtime totalling 12 hours per annum, where five days notice is provided to customers of the service and Scheduled maintenance will not constitute downtime. Scheduled downtime will occur in the following maintenance windows: 8.00 am–10.00 am on Thursdays and 8.00 am–2.00 pm on Sundays.

*If we do not meet the 99.9% availability, then the partner will be automatically entitled to a reduction in their next quarterly billing period equivalent to the total value of 10 000 sessions. This does not include royalty fees.

Datasets available through OpenSpace Pro

Product	Resolution	Index
OS VectorMap® Local	1	VML
	2	VMLR
OS Street View® (1:10 000 scale)	1	SV
	2	SVR
1:25 000 Scale Colour Raster	2.5	25K
	4	25KR
OS VectorMap® District	2.5	VMD
	4	VMDR
1:50 000 Scale Colour Raster	5	50K
	10	50KR
1:250 000 Scale Colour Raster	25	250K
	50	250KR
Miniscale®	100	MS
	200	MSR
GB Overview* 2	500	OV2
GB Overview*+	1000	OV1
GB Overview*	2500	OV0

* These do not form part of the Ordnance Survey product portfolio, but are used to provide context at very small scales. No licensing restrictions apply.

Zoom map stack

Product	Resolution	Index
Generated from Strategi®	896	CS00
Generated from Strategi	448	CS01
Generated from Strategi and Land-Form PANORAMA®	224	CS02
Generated from Strategi and Land-Form PANORAMA	112	CS03
Generated from Strategi and Land-Form PANORAMA	56	CS04
Generated from Strategi and Land-Form PANORAMA	28	CS05
Generated from OS VectorMap District, Strategi and Land-Form PANORAMA	14	CS06
Generated from OS VectorMap District, Strategi and Land-Form PANORAMA	7	CS07
Generated from OS VectorMap District, Strategi and Land-Form PANORAMA	3.5	CS08
Generated from OS VectorMap Local	1.75	CS09
Generated from OS VectorMap Local	0.875	CS10

OS OpenSpace look-ups

Product	Purpose
Code-point® Open	for postcode look-up
Boundary-Line™ Data	for boundary information
1:50 000 Scale Gazetteer	for place name search

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Moving from trial to a commercial licence

To move from your 90-day trial or free API key to a commercial licence, you will be required to contact either your account manager or email newbusinessenquiries@ordnancesurvey.co.uk to request the upgrade. Once your request has been received, you will be allocated an account manager (if you do not already have one) and your account manager will take you through the pricing and licensing details.

After you have signed up to the most suitable OS OpenSpace Pro contract, your account will be upgraded and the mapping layers you require allocated. This upgrade will generate a new OS OpenSpace Pro API key, which you will need to change in your code to ensure you are receiving the correct data and unlimited usage.

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Website

www.ordnancesurvey.co.uk/business-and-government/help-and-support/web-services/os-openspace/index.html

Email:

businessenquiries@ordnancesurvey.co.uk

Phone:

03456 05 05 05

FAQ's

www.ordnancesurvey.co.uk/business-and-government/help-and-support/web-services/os-openspace/os-openspace-pro.html

Forum

Access through the OS OpenSpace website

Documentation

Access through the OS OpenSpace website

www.ordnancesurvey.co.uk
customerservices@ordnancesurvey.co.uk

General enquiries: +44 (0)3456 05 05 05
Dedicated Welsh Language HelpLine: 03456 05 05 04
Textphone (deaf and hard of hearing users only please): +44 (0)23 8005 6146

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