

G-Cloud Service Definition

Cadcorp SIS WebMap

Crown
Commercial
Service
Supplier

G-Cloud Cadcorp SIS WebMap

Service Definition

This Service Definition is relevant to all public and third sector agencies. The service is provided by NEC Software Solutions (NEC).

Overview of G-Cloud Service

The service described in this document is based on the provision of the Cadcorp SIS WebMap as a fully hosted service on an instance of Microsoft Azure Cloud platform.

NEC will install, set up and maintain an instance of WebMap on behalf of the customer. The customer will be able to load updates to existing map overlays to a secure NEC hosted platform. These updates will be automatically applied by a NEC data management application.

NEC offers two options for changes and configuration to the application:

Option 1. All application and data configuration performed by NEC as part of a managed service using NEC consultancy.

Option 2. Customers can attend the relevant training courses and subsequently configure the application themselves using the WebMap Manager.

All server administration and server-side GIS project file (SWD) editing will be carried out by NEC colleagues.

Key Benefits

Ease of use - WebMap has been designed as an easy-to-use responsive web mapping application with a familiar look-and-feel while providing the ability to run complex spatial queries.

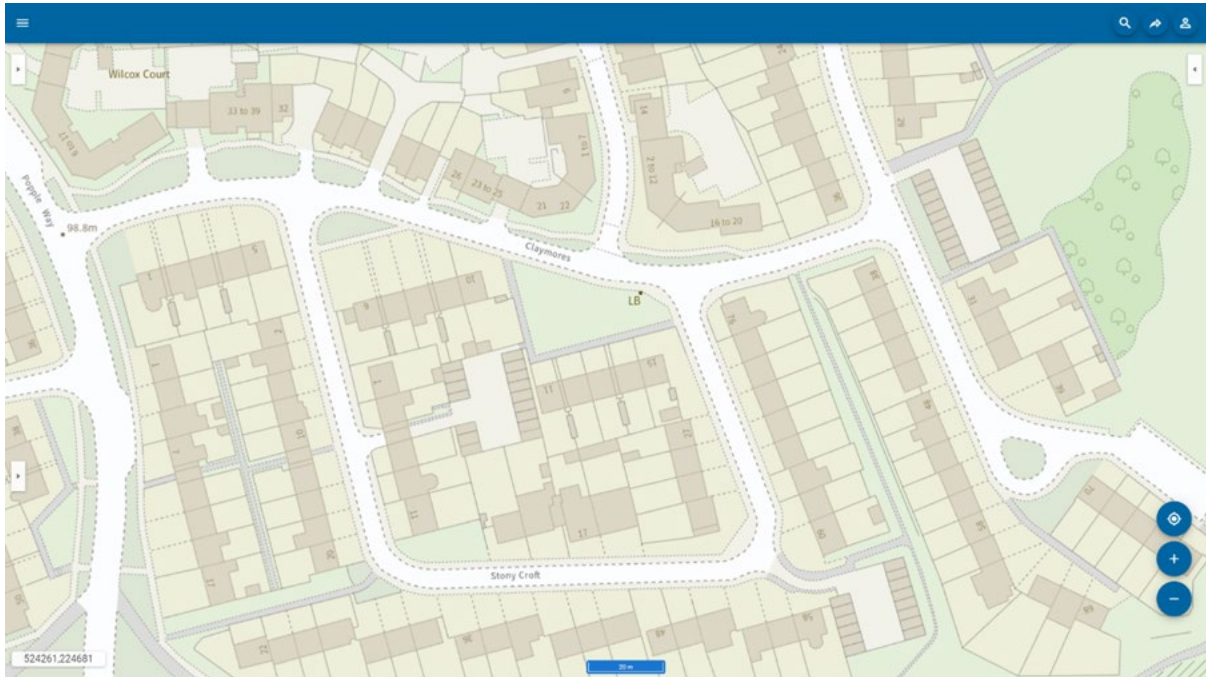
Rapid deployment - The service provided by NEC allows a customer branded instance of WebMap to quickly be set up, configured and deployed on a cloud-based infrastructure.

Standards - The service provided by NEC is based on open and publicly defined standards for both data supply and map- based queries.

Experience - Over 20 years' experience of successfully deploying GIS and Web Mapping software to all areas of UK government.

Cadcorp SIS WebMap

WebMap is a sophisticated off-the-shelf solution for Internet and Intranet mapping. It provides advanced capabilities for presenting and interrogating spatial data, accessed through an easy to use and familiar style of interface.



WebMap has been designed specifically for organisations wishing to share map-based information with a large community of non-expert users via a browser.

WebMap is much more than a web map publishing system. It supports 'intelligent' maps. These are maps that have attribute data associated with defined geographic features. Consequently, WebMap is capable of performing sophisticated spatial queries which are beyond the scope of graphic-oriented web publishing solutions.

WebMap features a responsive interface design which allows the same website to be used on a range of devices. As the screen gets smaller, the interface changes to reflect the required functionality for mobile devices and allow better access to maps and dialogs on a smaller screen. This features finger-tap data interrogation and navigation, a Quick Search facility, and geolocation detection.

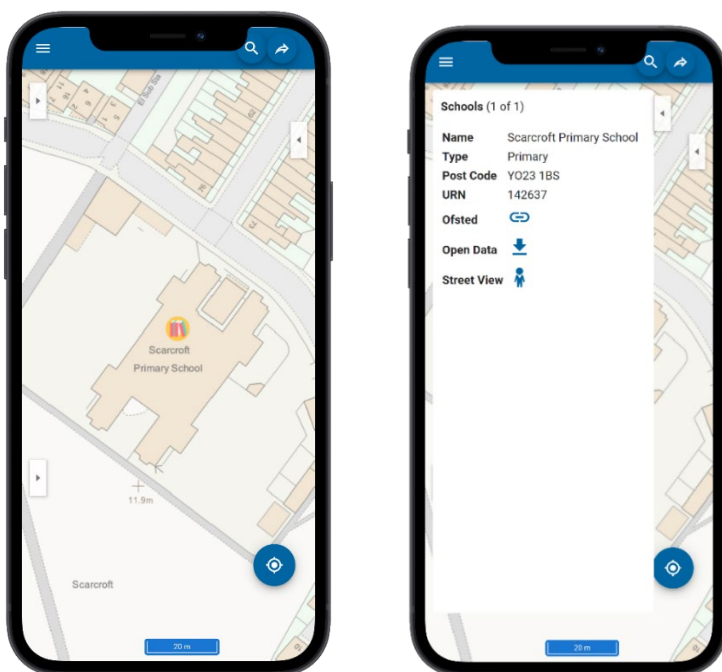


Figure 1: *WebMap Mobile Interface*

WebMap comprises all the components required for a browser-based mapping solution: map controls, a geospatial web services engine (GeognoSIS) and administration in a single package. WebMap functionality includes:

- Map window controls
- Map navigation
- Printing
- Quick search
- Drawing
- Mobile geolocation
- Spatial query
- Optional editing.

Initial Service Set up

NEC will complete the following tasks to set up the service prior to deployment:

- Installation, setup and configuration of WebMap, GeognoSIS and a PostGIS spatial database onto Microsoft Azure Cloud Server.
- Data Configuration including the creation of project files and data files for base mapping and business layers.
- Set up mapping service based on Ordnance Survey (OS) Maps API or Cadcorp Map Services (Open or Premium).
- Configuration of Gazetteer and Search options (based on data loaded using Cadcorp Address Loader) or OS Open Names.
- Project management to confirm customer requirements, assess data readiness for WebMap and schedule the project.

Note: Further set up and project management time will be required to meet any of the following additional requirements:

- Advanced presentation of features using HTML
- Advanced Interface and styling changes
- Additional security settings such as Federated Security.

On-going Tasks (Core and Optional)

As part of the Cadcorp WebMap G-Cloud Service, NEC will continue to maintain the application, whilst at the same time ensuring ongoing data currency for base mapping and business layers. The core G-Cloud WebMap application management tasks are:

- Application health check including monitoring resources.
- High level data and security review.
- Installing new software service releases as required.
- Running and monitoring data management tasks.
- Additional optional management tasks can be purchased as required. For example, these may include:
 - ➔ Addition and styling of new business layers to map layers tab.
 - ➔ Addition of Local Knowledge map layers.
 - ➔ Addition of new Base Mapping layers.
 - ➔ Restyling of existing map layers including and display of schema attributes.
 - ➔ Optional system configuration tasks.
- Updates to WebMap Configuration tasks Copyright statements, styling, shortcuts, watermark, bookmarks, set Initial View, set mapping extents.

Customer Tasks

The tasks the customer will be responsible for are:

- Optionally supply base mapping data, data licence and associated copyright statements for initial WebMap installation.
- Supplying spatial business data for WebMap along with styling preferences.
- Supplying Gazetteer data.
- Supplying a list of Bookmarks allowing users to quickly jump to a location (Name of bookmark, Easting & Northing).
- Supplying header images and styling information to give WebMap a similar look and feel to the customer's corporate website.
- Arranging Domain Name System redirect to WebMap.
- Ensuring all data copyright statements are displayed as required.
- Uploading updates to other data overlays. NEC hosted platform. The customer is responsible for the data quality of updates and to ensure that the data schema matches the original data.
- Optional data and application administration.

Additional Services

A range of additional service options are available within the price schedule.

Additional Software Options

Cadcorp SIS Desktop (Cloud)

Single named user subscription licence of SIS Desktop in the cloud accessed as a virtual desktop application or within a web browser. SIS Desktop provides advanced capability for data administration, application management and a full range of GIS functionality.

Cadcorp SIS Desktop

Concurrent single user subscription licence of SIS Desktop for use on a private cloud. SIS Desktop provides advanced capability for data administration, application management and a full range of GIS functionality.

Address Loader

Loads and manages updates of AddressBase® products, supplied by Ordnance Survey® (OS®). It makes AddressBase data quickly and easily available, even to non-expert users.

Local Knowledge™

Returns answers to questions about a locality, such as: What is near? How many are near? How far are they? Results can be returned in tabular form, and users have the ability to 'drill down' to reveal more detailed information about individual items returned.

Report IT

Report and locate incidents on a map, using the Mobile or Desktop interface. Select an incident type to report; add some descriptive detail; include a contact email address; place a marker on the map where the incident occurred; or from the Mobile interface, use their current location for the incident.

Edit

Allows online editing and creation of features and their attributes, stored in a spatial database. Overlay properties can be applied to dynamically update changes and additions to the data. Accurate data capture can be achieved using snapping, allowing underlying data layers, such as OS MasterMap, to be used as features are created or edited.

Cadcorp SIS WebMap for PowerBI

Allows an interactive map to be embedded into a Power BI report. Users simply import the Power BI visual and add it as an option to the Power BI Visualisations pane. The visualisation supplies mapping data, served by Cadcorp SIS WebMap, which the user can implement to define their own data layers and structure, appropriate for the report and in keeping with their corporate mapping.

What3Words Link

Allows what3words to be integrated with Cadcorp SIS WebMap and accessed via the map's interface. After the what3words API key has been entered, administrators can configure each map, adjust zoom level settings, and select a location pin icon. Once enabled, what3words is displayed as a menu item in the map interface.

IRS Link

Connect to a widely used Incident Recording System (IRS) and allow users to update the location of an incident on a map. The updated location is written back to the IRS.

Incident Query

Allows Emergency Services to query incident data using a specifically designed query dialog interface.

WebMap and GeognoSIS

An additional licence of WebMap and GeognoSIS can be purchased if required. For example, this may be needed to a different system architecture or for use on a private cloud. WebMap and GeognoSIS are provided as an annual subscription licence per virtual server.

Call for Sites

A digital site submission application for accelerating site assessment analysis. The application allows landowners, developers, agents, and site promoters to suggest sites considered to have the potential for future sustainable development.

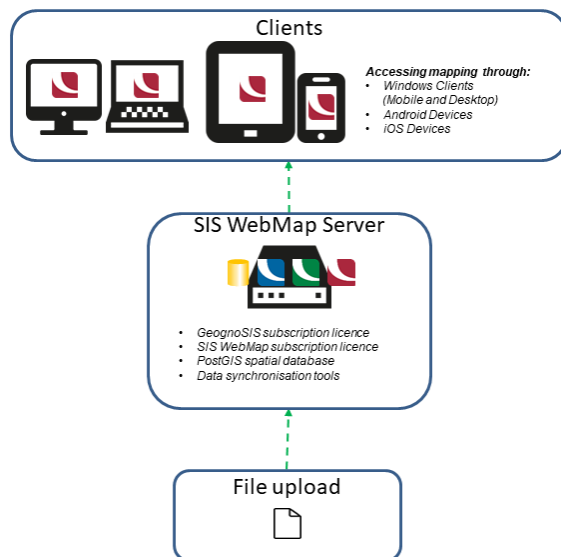
Additional Services Options

- Introduction to Cadcorp SIS Training (2 days, 3 people) - This course provides the basics for everyday use of Cadcorp SIS. Students are introduced to the basic concepts underpinning GIS, and shown how to find a location, and view, create, edit and print maps. Day 2 introduces students to creating and managing their own files, extends their knowledge about creating and editing data.
- SIS Admin Training (1 day, 3 people) - This course will enable a Cadcorp SIS user to administrate the product and manage the GIS data. The content builds upon the Introduction to Working with Cadcorp SIS training. System Administrators will learn how to export data into useful GIS file formats and learn about the best performing formats for Cadcorp SIS.
- WebMap Admin Training (1 day, 3 people) - This course details the functions of WebMap and introduces students to GeognoSIS. The course gives the background required for administering and maintaining the website.
- Consultancy - Customers can purchase additional consultancy to assist with all aspects of a GIS and Web Mapping project. For example, this may include data migration, workflow definition and application configuration.
- Project Management - Customers can purchase additional project management services to assist with the successful delivery and migration to a cloud-based infrastructure.

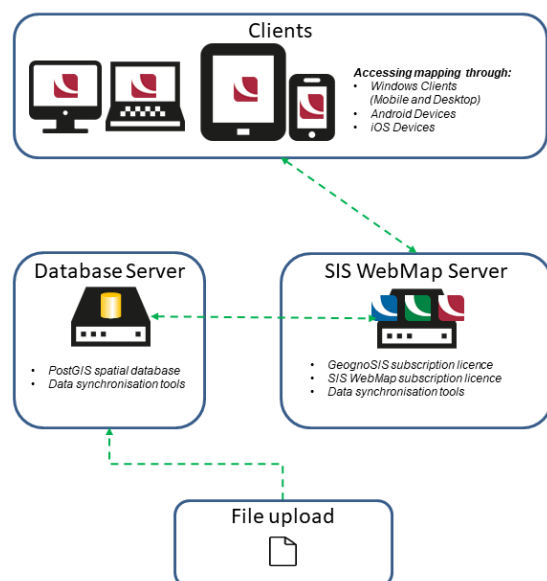
Hosting Options

The additional hosting options available include an upgrade to larger virtual server and a separate database server (see below). With advice from Cadcorp, these options allow customers to consider the system architecture that is most appropriate to their needs.

Single server



Separate database server



Service Management

Backup and Disaster recovery

Back up and disaster recovery options have been provided within the price schedule. Organisations should contact their NEC representative to discuss the options in more detail and to receive a formal quote. The service provided will be based on the Windows Azure online backup provision and will allow NEC to easily recover backups to any server.

On-boarding and Off-boarding process

NEC aims to keep the Cadcorp SIS WebMap on-boarding process as simple as possible. In the first instance an organisation should email frameworks@necsws.com

NEC will advise the customer on all aspects of the on-boarding process including order processing and provide clear instructions on any tasks the customer needs to complete for the service to be set up.

To initiate the off-boarding process the organisation should email their allocated NEC representative. NEC will then arrange for the site to be taken down and customer data to be deleted as required.

Service Management and Service Levels

The customer will be assigned a NEC representative who will provide overall service management to the customer. The customer will have full access to support services between 09:00 and 17:30 on all working days. Where possible all maintenance will be carried out without disrupting the service. In the event that this is not possible maintenance will be scheduled and the customer notified in advance.

Ordering and Invoice Process

If you wish to order these services, a G-Cloud Order Form will need to be completed and signed by both parties.

Data Restoration and Service Migration

The service can be removed from operation within 8 working hours and data can be deleted or returned to the client within 5 working days. Depending on the nature of the data restoration, service migration and the amount of data, there may be a cost for this service. Please discuss data restoration and service migration requirements in more detail with the NEC representative at the appropriate time.

Request a Demonstration

We will be pleased to demonstrate the Cadcorp SIS WebMap to you. Please email frameworks@necsws.com to request a demonstration.



✉ frameworks@necsws.com
🌐 necsws.com
🐦 [@nec_sws](https://twitter.com/nec_sws)

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