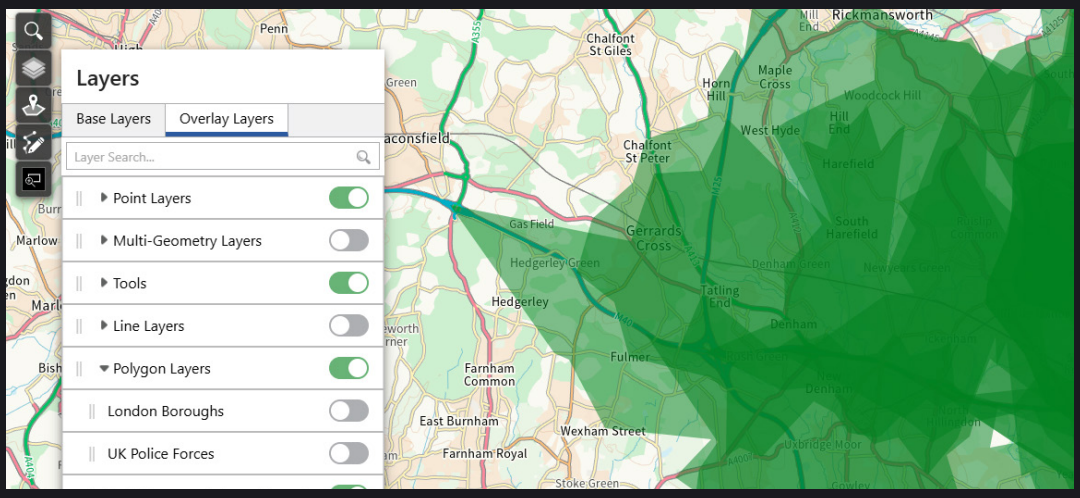
PRODUCT SHEET

Octave OnCall Geoservices

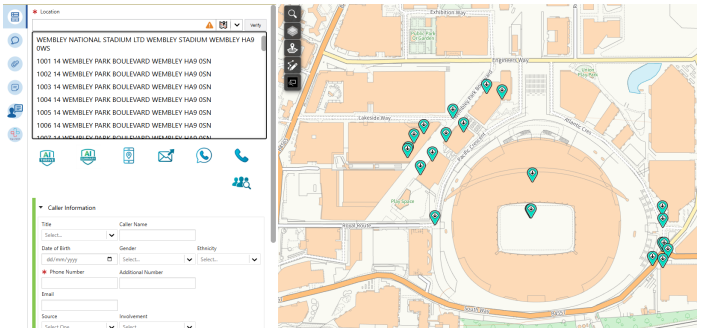


Octave OnCall Geoservices (formerly HxGN OnCall Geoservices) is an advanced geospatial solution designed to enhance public safety operations by providing geocoding and routing services. It includes state-of-the-art geocoding and routing services for Octave OnCall Dispatch (formerly HxGN OnCall Dispatch) and can be extended with service engines for the creation of map tiles – powered by Octave GeoMedia WebMap (formerly GeoMedia WebMap) or Octave Alto Enterprise (formerly M.App Enterprise).

OnCall Geoservices connects to the geographic information of your choice and offers highly configurable search results, facilitating quick access to critical information for first responders, dispatchers and command centers. Its scalable and flexible architecture supports a wide range of public safety applications, from routine incident management to large-scale emergency responses, ensuring operational efficiency at any time.

Geocoding: Flexible method to find any geospatial information

In emergency situations, finding the exact location of an event efficiently is crucial. OnCall Geoservices offers multiple, powerful search capabilities. Geocoded searches can be configured over any structured geographic data, including, but not restricted to, POIs, addresses, street intersections and parcel numbers. Reverse geocoding within a set distance between points is also supported.



Reverse geocoding helps users understand which points of interest or addresses are closest to given coordinates. With this information, users can validate the location of field staff and their distance from a given place.

OnCall Geoservices and its configurable parsing methods can easily tailor search service to specifics of given languages, alphabets, cultures and geographic regions. Many different address patterns within one search service can be used.

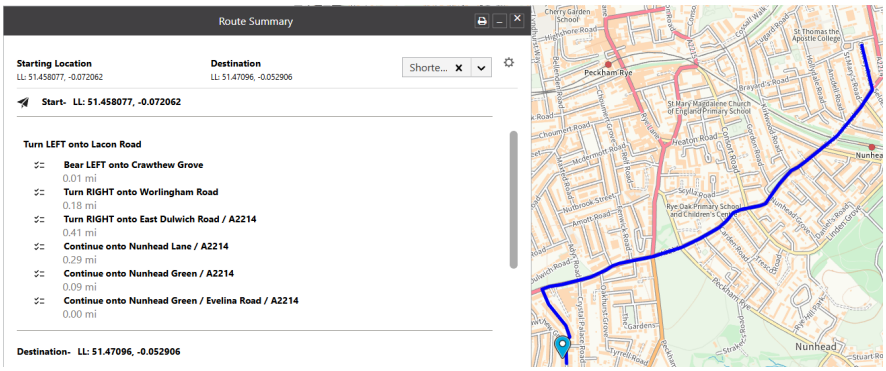
The geocoding services support local and logical location relationships (e.g., stores within a shopping mall), significantly simplifying the localization of a given event.

Routing: Spatial analysis on networks

The Octave OnCall routing service is used to easily compute the best route between two given locations, considering various criteria like maximum weight on bridges, maximum height in tunnels or any other restrictions. Depending on the type of resource that need to be routed, routes can be calculated considering the quickest travel time or the shortest distance, or they can be optimized for emergency vehicles.

The routing service can be used to create a powerful tool for any public safety or traffic management authorities.
Key features include:

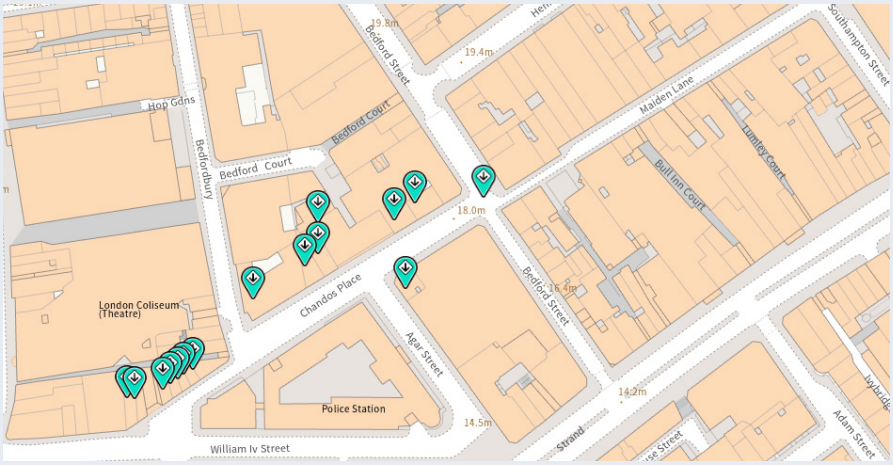
- Leverage 64-bit implementation to handle large datasets easily and calculate routes efficiently
- Determine multiple routes for the same starting / ending points depending on configuration (e.g., shortest, quickest, emergency)
- Incorporate predetermined or ad-hoc roadblocks



Quickly provide emergency responders with the fastest, most direct routes. Special restrictions are applied, making emergency routing more accurate than standard routing.

Routing service: Configuration and management

- Publish routing files easily and quickly using the Route Data Publisher Utility
- Migrate network datasets from any provider with Route Data Publisher
- Leverage command-line interface to streamline configuration and management
- Manage routing service instances in the Administration Console



Geocoding enables fast, intuitive location searches by allowing operators to enter part of a name or address. Using phonetic search, it returns the most relevant addresses, points of interest, intersections and other locations, helping operators find what they need quickly and efficiently.

Routing service: Application examples

- Easily determine the best path between a given set of stops considering various criteria for the route
- Set roadblocks with a mouse click; if enabled, the best route is re-calculated considering obstacles
- Monitor locations of units (e.g., fire trucks, patrol vehicles and ambulances) in real time and update route calculations
- Calculate isochrones visualizing areas reachable within defined time intervals.
- Find units closest (in a defined buffer zone) to an incident

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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