

DataMap® Web Services

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DataMap Web Mapping Service®

DataMap Web Mapping Service® allows software clients to reference map images over the desktop, a private intranet, or Internet. The Mapping Service provides georeference data to a client that displays this data as an image. Georeference data is information associated with maps that describe the real world extents of specific features.

DataMap Web Location Service®

Geocoding address information

Geocode address information in order to display it on a map or to perform spatial searches and queries.

This is useful for displaying store locations and the customers who are part of a store loyalty program on a map to determine market regions.

Geocode a street intersection

Geocode a street intersection in order to display it on a map.

For example, a mobile subscriber could enter the nearest street intersection to view a map of their location on the mobile device.

Geocode a POI

Geocode a POI in order to display it on a map.

For example, a mobile subscriber could enter the nearest POI to view a map of their location on the mobile device. For example, locate a specific restaurant and then find all of the nearest automated banking machines (ATM). The result would be displayed on a subscriber's mobile device.

DataMap Web Routing Service®

Routing Capabilities

The Routing Service determines the shortest or fastest path (route) between two points, with the ability to add various advanced routing options.

There are 2 types of route calculations (determining shortest or fastest route) that the Routing Service can perform: Simple routes (point-to-point), multi-point routes requests.

Point-to-Point Routing

One of the most common routing requirements is for simple driving directions where a customer inputs two addresses, two points, or any combination, and gets back a route. Additions of driving directions and a map may be added as an advanced option.

Multi-Point Routing

Multi-point routing is the ability to route between via points. The routing server will find the shortest time or distance between all the points. This can be used for complex directions. These directions (multipoint) are a requirement for customers who wish to plan daily drop-offs, or customer visits such as distribution and repair companies, or general field sales. Typically, a start and end point are define plus a series of stops are added into the calculation. There is no difference between multi-point route and point-to-point route except for the via points between the start and end locations.

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