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The following requirements were derived from 2014 Wisdom of the Crowds Location Intelligence Market Study. This study is conducted by Dresner Advisory Services. Howard Dresner is known globally as one of the top BI thought leaders and widely known for coining the term “Business Intelligence”.

More information about the Location Intelligence Market Study are provided here:
<http://www.locationintelligencereport.com/>

The following tables include the prioritized general features, mobile and geocoding information required among Business Intelligence application respondents. Included for each feature is the current availability or future planned support, server or coding requirements to support the feature, and additional notes.

Additional notes are provided to adequately set expectations for customers and developers.

For any feature listed, additional documentation, templates, and other guidance can be provided how to achieve the desired feature through our Centigon Knowledge portal
<http://centigonknowledge.com>

Location Intelligence - Prioritized Features.

Rank & Description.	Currently Supported (Any future planned support is noted)	Server / Coding Requirements	Notes
1.Map-based visualization of data/information	Yes	No	Configured through property sheet
2. Drill-down navigation through map interface	Yes	No	Utilize standard SAP BusinessObjects queries and techniques.
3.Dashboard inclusion of maps	Yes	No	Configured through property sheet

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4. Layering of visualizations on top of maps (e.g., heat maps, cartograms)	Yes	No	Configured through property sheet
5. Value/range-based shading of maps	Yes	No	Configured through property sheet
6. Use of symbols to depict values	Yes	No	Configured through property sheet
7. Integration with third-party GIS systems (e.g., ESRI, Google Maps)	Yes	No	<p>The survey included Google Maps as GIS. The GIS industry does not consider Google, Bing, OSM, to be GIS systems but rather cloud map services.</p> <p>Standard support for TomTom Maps, with Open Street planned for H1 2014 and Google Maps for mobile and all future HTML5 based solutions.</p> <p>Integration of ESRI map data layers can be imported via WMS for more sophisticated visualization needs.</p> <p>In all cases no server installation is required for CMaps Analytics.</p>
8. Custom region definition and selection (e.g., polygons, geofencing)	Yes	No	<p>Support for loading, visualizing, coloring, and interacting with regions; including fencing assets.</p> <p>Definition of custom regions is typically defined by business. Creation of custom region boundaries can be completed using free, open source utilities.</p>

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9. Support for location calculations (e.g., drive time, distance, routing)	Planned support for H1-2014	No	Configured through property sheet and upcoming cloud analytics services
10. Choropleths (area fill) maps	Yes	No	Configured through property sheet and customization of Choropleths are configured through dashboard logic.
11. Animation of data on maps	Yes	No	Configured through property sheet using custom visual overlays.
12. Offline mapping	No	No	Offline mapping is currently not supported due to restrictions in current TomTom and Google Maps license.
13. Support for interior spaces (e.g., retail stores, office buildings, conference)	Planned support for early Q3 2014	No	Additional indoor mapping is planned for our HTML5 / mobile offerings only.
14. Data integration (e.g., Experian,Axiom)	No	No	Data integration services are typically managed outside of our core mapping offering.

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Location Intelligence – Mobility Support.

Mobile business intelligence is a growing need for many organizations who want to re-use existing investments in dashboards / reports, but also harness the location awareness of mobile devices to drive analytics.

For CMaps Analytics, we support the full span of capabilities in section 1 for mobile and provide support according to the following table.

Rank & Description.	Currently Supported (Any future planned support is noted)	Server Requirements	Notes
Location-based query filtering	Yes	No	Configured through property sheet. Basic location filtering is possible when combining current location with reverse geocoding.
Geo fence alerting	No	No	This is a function reliant on a server-side process and not currently offered through CMaps Analytics at this time.
Reverse Geocoding	Yes	No	

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Location Intelligence - Geocoding Support.

Geocoding is the process of transforming administrative, address, or geo-political areas into latitude, longitude. As such geocoding data enables geo-analytics and visualization tool to quickly process and display data.

For CMaps Analytics, if your data is already converted to latitude/longitude at an address level, all CMaps Analytics tools natively render lat, long.

Rank & Description.	Currently Supported (Any future planned support is noted)	Server Requirements	Notes
Built-in geocoding (e.g., country, region, postal code, CBSA)	Yes	No	Standard runtime geocoding supported. Additional batch geocoding is available for larger volumes of data.
Automated geocoding support	No	No	Map data for CMaps Analytics is handled along with master-data management, ETL, and data quality.
Worldwide geocoding support	Yes	No	Configured through property sheet Additional batch geocoding is available for larger volumes of data.
Street-level geocoding support	Yes	No	Standard runtime geocoding supported. Additional batch geocoding is available for larger volumes of data.
Customer	No	No	Map data for CMaps Analytics is



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extensions to map data (e.g., custom POIs)			handled along with masterdata management, ETL, and data quality.
Offline geocoding support	No	No	Not planned at this time.