



Release Summary

HxGN OnCall® Analytics
Q2 2020 (On-Premises Release)

Product overview

HxGN OnCall® Analytics from Hexagon's Safety & Infrastructure division is a suite of public safety data visualization and analytics software for evidence-based reporting, analysis, and decision-making. It creates a single source of organizational data users can explore, analyze, and share through interactive reports and dashboards. Utilizing the data, agencies can assess performance, better allocate resources, and improve operations.

Value proposition

OnCall Analytics overcomes the challenge of raw, fragmented, incomplete, and incorrect data. It also provides a solid foundation for accurate and reliable reporting and analysis, tailored to an organization's needs. OnCall Analytics empowers staff to create and run user-friendly reports and analyses to solve business problems, freeing up analysts' time and eliminating delays. These clear visual insights can be shared with the public for greater awareness, engagement, and understanding.

Version overview

This release pertains to the on-premises version only. When available, the Azure version release will be announced separately.

All products in the OnCall Analytics product suite will be updated to include significant enhancements and fixes. The new versions will feature more advanced geospatial and playback capabilities, add customization options for report builders, and increase performance during the extract, transform, and load (ETL) process. Enhancements to the semantic models include new subject areas and "analysis-ready" data fields, enabling more in-depth analysis.

OnCall Analytics | Power Visuals enhancements

- Significant updates to the map visual, enabling more robust data exploration and allowing users to get a more comprehensive map-based view of the data being analyzed:
 - To increase analysis capabilities, two layers of pins are now supported on the map, allowing users to view different types of data on the same map (e.g., a layer of events overlaid on a layer of units).
 - To increase customization options and provide better geographical orientation, the pins on the map visual now have customizable shapes, including arrows that can show the direction of units during AVL playback.
 - To increase the filtering capabilities, users can now filter the data contained in the map visual to the last point in time, first point in time, or both.
 - To provide a more accurate picture of an agency's data, the map visual now filters the map data to only the current map view extents. In the past, the map would only read the first 30,000 records, even if they were not located within the current map view. Now, when users apply the map extents filter ,

- the map view reads up to 30,000 records, with records located in the current map view providing a better representation of the data.
- To increase analysis capabilities, the map visual now supports GeoJSON data, allowing geography features like streets and boundaries (geometries) to be overlaid on the map.
- The playback visual now contains both start and end date parameters, allowing users to select more precise slices of time to analyze.

OnCall Analytics | Dispatch Essentials, OnCall Analytics | Dispatch Advantage, OnCall Analytics | Dispatch Data Warehouse & OnCall Analytics | Records Essentials enhancements

- To significantly increase customization capabilities, all OnCall Analytics Power BI Reports now support Power BI themes, allowing report builders to easily change the look and feel of reports using the Power BI Desktop style gallery (similar to Microsoft Office themes).
- To increase back-end performance of the ETL process, there are updates to query syntax and the addition of indexes in individual ETL projects and support for direct Oracle queries.
- To increase the different ways to slice-and-dice analysis-ready data contained within the semantic models and subject areas, the following enhancements have been made to increase the depth of analysis. (Note: Semantic models transform and organize raw data from complex, underlying source databases into accessible, user-friendly data models for advanced reporting analytics.)
 - New data fields have been added to the Logged-on Units Live and Unit Activity Live semantic models and contain active employee information
 - The AVL semantic model now includes geofence information
 - Deployment areas are now exposed in GeoJSON format
 - New data fields have been added to the Agency Response model, including:
 - Visible event reopen flag
 - Initial close time
 - ANI/ALI create time
 - ANI/ALI added date of call

Licensing & distribution

All OnCall Analytics on-premises products, except for OnCall Analytics | Power Visuals, use a core-based licensing model. Under this model, the server on which the OnCall Analytics product is installed and where the data resides (the data warehouse) requires a license for every core in the processor of that server, with a minimum of four. The same logic applies to virtual cores in a virtual environment.

From a user perspective, there is no licensing restriction on the number of individuals who can create, run, and/or view reports. It is a node-locked license.

OnCall Analytics | Power Visuals uses a concurrent user licensing model. ONCall Analytics | Dispatch Advantage includes three concurrent user licenses to Power Visuals.

Dependencies

- Two (2) servers or virtual machines
- SQL Server 2016 Enterprise SP2 with Software Assurance – or – SQL Server 2019 Enterprise with Software Assurance
- Power BI Desktop
- Power BI Pro
- Power BI Report Server - Included with SQL Enterprise 2016 / 2019 with Software Assurance (SA)
- SQL Server Data Tools (SSDT)
- OnCall Dispatch, I/CAD 9.3, I/CAD 9.4 – for OnCall Analytics | Dispatch Advantage, OnCall Analytics | Dispatch Essentials, or OnCall Analytics | Dispatch Data Warehouse
- OnCall Records, Intergraph InPursuit WebRMS 3.7+ - for OnCall Analytics | Records Essentials only

Additional information & resources

Learn more about this release by visiting the [support site](#), or our [external site](#).