PRODUCT SHEET

NetWorks Web Services



Utilities and communications companies collect increasing amounts of data about their networks. To make this data as useful as possible, these organizations need to disseminate and share it throughout the enterprise in a simple, configurable and controlled manner.

Octave NetWorks Web Services (formerly HxGN NetWorks Web Services) is part of the NetWorks portfolio, a flexible and integration-ready geospatial asset management solution that provides a single source of accurate, up-to-date information and a full spectrum of tools for different users across the business.

NetWorks Web Services connects the enterprise to the NetWorks network model, making it available and usable wherever needed. Easy to configure and powerful to use, NetWorks Web Services unlocks value in existing geospatial investments and enhances the reach, quality and currency of enterprise information, improving business processes and capabilities. These same web services are also the foundation for integrations and task-oriented portals and mobile applications.

Unlock your information

The value of enterprise information for utilities and communications companies has traditionally been locked in records departments, and companies have not been able exploit the true value of their geospatial investments. Business processes can't have the same reach or quality without powerful and easily configurable access to the network model.

NetWorks Web Services is designed to unlock the network and infrastructure data that utility and communications organizations need to run their businesses. It allows organizations to share data in a controlled manner across all parts of the enterprise and beyond, including with customers and other agencies.

This includes empowering field teams. When outages happen, network operators may be left with outdated information, and when service is restored, there may be a backlog of manually captured field data. With NetWorks Web Services, changes in the field can be captured in near-real time, leading to reduced backlogs and improved data concurrency and accuracy. These operational efficiencies also lead to faster turnarounds for engineering and asset management workflows.

Single administration tool for web, mobile and interfaces

With NetWorks Web Services, services are managed and configured through a single administration console. This console can be used for all types of services, including interfaces to other systems, mobile clients, simple portals for viewing or more advanced portals for editing and workflows.

The screenshots above illustrate two separate portals showing data served up via NetWorks Web Services.

Features

NetWorks Web Services features include:

- Rendering data with engineering fidelity on a map
- Controlling display of the legend
- Displaying attributes of features in the model
- Redlining
- Reviewing connectivity and relationships
- Finds and queries
- Traces
- Job management
- Asset editing, including additions, moves, changes and lifecycle changes

Benefits

- **Share map data:** Reach the widest possible audience by providing data to web and mobile client viewers
- **Control map data:** Publish only the map features you need, securely, and build legends with roles included to ensure users get the right data
- **Share attributes:** Allow any application to request attributes for a particular feature and perform edits and corrections in certain workflows
- **Reduce request handling time:** Improve efficiency by pointing requests to a URL with the latest information
- **Limit or eliminate backlog:** Capture changes in the field in near-real time to reduce backlog
- **Lower investment costs:** Reuse the same metadata that drives functionality in NetWorks Core and create simpler, lower-cost, built-for-purpose applications that are OS and device agnostic
- **Reduce training time:** Onboard users more easily due to simplified and intuitive GUIs based on standard web principles that are familiar to non-expert users
- **Drive mobile strategy:** Leverage the framework established for mapping services to enable web and mobile solutions for inspections, damage assessments and field verifications

Explore Octave NetWorks

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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