



Bentley® Geo Web Publisher for Communications V8i (SELECTseries 3)

A Comprehensive Product for Publishing Intelligent Network Information

Bentley Geo Web Publisher for Communications merges the benefits of Bentley Geo Web Publisher with the intelligent network model of the Bentley Communications products. This provides enterprise-wide access to inside and outside plant views via a web browser. Bentley Geo Web Publisher for Communications is easily customized and is also simple to administer. Implementation is rapid, capitalizing on network investment and improving productivity across the organization.

Easy-to-Use Search Tools and Tracing Make Information Retrieval Easy

Users can find any device or address on their maps with a predefined search tool. Moreover, they can search anywhere on their networks for an address and access all of the facilities associated with the address. In addition, the software provides easy access via a web browser to operations and customer service. This capability can also be used for Call-Before-You-Dig scenarios and to locate a device and addresses being affected by an outage. Any facility, whether it is a pole/pedestal, amplifier, splice, sheath, power supply, node, headend, or optical system can easily be located. Bentley Geo Web Publisher for Communications also offers the ability to easily customize queries for specialized search functions. Users can find the paths their signals are taking to reach their respective destinations. Bentley Geo Web Publisher for Communications will locate graphically any optical system path or fiber route on the map via the trace capabilities. Detailed information about the length of an optical system, the restoration priority, and the job description is available.

Outage Analysis, Cross-Section Reviews, and Splice Reports Empower Engineering Teams

An important feature of Bentley Geo Web Publisher for Communications is the ability to locate an outage. Users simply select a fiber from a sheath and enter the distance on the OTDR, and Bentley Geo Web Publisher for Communications quickly displays the location of the outage. No longer is time wasted searching other data, such as paper plans or spreadsheets, to know where to roll the truck for repairs. Customer satisfaction levels are improved through minimized downtime. By selecting a fiber, a detailed cross section of each fiber in a cable can be viewed in a user-friendly web interface by individuals in any organization that need the information to make critical decisions. A color-coded buffer/fiber connection easily depicts the fiber connections. Bentley Geo Web Publisher for

Communications quickly displays splicing information produced from a single source of information, which eliminates the possibility of errors caused by duplicated data on different systems. Everyone works from the same information – no more flawed decisions due to the use of out-of-date information found in disparate systems or on paper.

Inside Plant Views and Locates Within Buffer Support Operations

Bentley Geo Web Publisher for Communications offers tabular display of devices located within a rack frame, review of wire run reports per rack frame, and ability to view the HVAC load of a given rack frame. The product has the ability to expand chassis that contain cards and devices to review and report on associated information. Users also can locate serviceable addresses within a specified distance of a fiber cable and rapidly identify all the addresses that are or can be serviced from a designated fiber cable route.

Flexible Publishing Capability Delivers Productivity

With Bentley Geo Web Publisher for Communications, users can bring together many types of information with their network models for integrated display, analysis, and reporting. These types include information found in DGN, DWG, or Bentley Map® features, information in Oracle Spatial and other spatial data stores, relational databases, 30+ industry-standard raster formats, raster mosaics, multimedia, and hyperlinks to other sites or information.

Cross section report displayed in Bentley Geo Web Publisher for Communications.

Enjoy easy access to network and parcel information.

Locate outages at a click.

System Requirements

Hardware Prerequisites

Processor:

Intel or AMD processor 3.0 GHz or greater, dual-core or multiprocessor architecture is strongly recommended

RAM:

Minimum 4 GB, more recommended

Hard Disk:

Minimum 4 GB of free hard disk space (Note: size of the project(s) ultimately affects required hard disk space)

Estimate:

1 GB free for every 350 miles/563 km of plant)

Video:

Graphics card supported by DirectX 9.0c; multi-monitor configurations supported

Software Prerequisites Server

Operating Systems:

Windows 2003 Server SP1 (32-bit or 64-bit), Windows 2008 Server SP2 (64-bit)

Database:

Oracle Database 11g Release 2 (32-bit or 64-bit)

Operating Webserver:

Microsoft Internet Information Services (IIS)

Browser:

Internet Explorer 7 (32-bit) or later

Published Data:

Data produced on Bentley Fiber, Bentley Copper, Bentley Coax, and Bentley Inside Plant as well as any third-party data and feature layers supported by Geo Web Publisher V8i

Software Prerequisites Client

Operating Systems:

Windows XP, Windows Vista, Windows 7 (Supports 32-bit versions running on 64-bit processors)

Browser:

Internet Explorer 7 (32-bit) or later

Find out about Bentley at: www.bentley.com

Contact Bentley

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Global Office Listings

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Bentley Geo Web Publisher for Communications At-A-Glance

Bentley Communications Review and Reporting Functionality

- Fiber and buffer cross-section review
- Splice enclosure reviews displaying connectivity and splitter/MUX device direction and assignment
- Fiber and copper locate outage functionality
- Physical fiber and logical circuit tracing
- RF amplifier reviews displaying all internals and powering data
- Identify node, amplifier, and power supply feeding each address
- User-defined custom attribute reviews for all features
- Tabular inside plant reviews including device information, devices within a chassis, HVAC load, and wire run reports

Fully Featured User Environment

- GIS user-friendly
- Spatial navigation
- View control (zoom, pan, and window area)
- Layer controls
- Easy map creation tools
- Scale-based navigation
- Spatial analysis
- Multiple queries
- Reporting
- Print and plot to scale
- Redlining tools
- Thematic analysis, pie charts
- Markup and editing

Data Integration

- Integration of multiple graphical and nongraphical data sources
- Live publishing of native Oracle Spatial
- Ability to activate Oracle Spatial dynamic source option to enable publishing of real-time updates
- Geo-referenced tabular data
- Virtually any type of raster image files, including raster mosaics
- 30+ industry-standard raster formats
- Multiple relational databases
 - » ODBC
 - » Non-graphical
 - » Graphical from stored coordinates
- Bentley Map
- MicroStation® DGN with database linkages
- AutoCAD DWG
- GIS data: SHP, MIF/MID, TAB
- Embed symbols that invoke queries or that link to URLs
- Hyperlinks to other sites, documents, multimedia
- WMS

Query

- Query nongraphical sources related to graphical sources
- Implement simple and complex queries
- Query multiple databases
- Specify actions associated with locate, zoom, and layer options
- Implement customized queries for special workflows

Thematic Mapping

- Resymbolize based on unique values, equal ranges, equal count
- Take advantage of thematic objects that depict a handy legend for interpretation
- Display pie charts on map for complex data
- Benefit from configurable legend properties and parameters
- Take advantage of symbolization sets that can be preconfigured for novice users
- Empower site users to interactively define presentation parameters

Reporting

- Reports generated from queries, spatial analysis, or multiple feature selection
- Multi-tabbed views of textual and multimedia information
- Downloadable CSV, XLS
- Detailed layout, sorting, alias, and output definition available in the site author
- Property editing with free text of list of values
- Printing and Plotting
- Printable reports with map view
- Cartographic print (scale print with border and title block fields)
- Windows printer support

Multiple layers of data are easily published together.

Reports are easily configured and displayed.