

Bentley Map® Functionality Comparison

Advanced Point-Cloud Viewing, Modeling, and Processing	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Point-Cloud Advanced Export	<input checked="" type="checkbox"/>		
Point-Cloud Classification Editing	<input checked="" type="checkbox"/>		
Point-Cloud Geometry Extraction	<input checked="" type="checkbox"/>		
Point-Cloud Line Draping	<input checked="" type="checkbox"/>		
Smart Snap	<input checked="" type="checkbox"/>		
Visual Explorer	<input checked="" type="checkbox"/>		
Advanced Raster Viewing, Editing, and Processing	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
3D Texture Editing (e.g. 3D building texture)	<input checked="" type="checkbox"/>		
Advanced Raster Transformation (warping, register)	<input checked="" type="checkbox"/>		
Basic Raster Transformation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Raster Editing (à la I/RAS B)	<input checked="" type="checkbox"/>		
Color Raster Editing	<input checked="" type="checkbox"/>		
Image Draping on Surface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)	
Image Filtering (Contrast Stretch, Density Slicing, Blur, Sharpen, Smooth, Detail, Edge Enhance, Find Edges)	<input checked="" type="checkbox"/>		
On-The-Fly Coordinate System Transformation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Persistent Coordinate System Transformation	<input checked="" type="checkbox"/>		
Raster Geo-Referencing	<input checked="" type="checkbox"/>		
Raster Mosaic Creation	<input checked="" type="checkbox"/>		
Raster Scene Creation (merge tool)	<input checked="" type="checkbox"/>		
Raster Text to Vector Text Conversion	<input checked="" type="checkbox"/>		
Raster to Vector Conversion and Vector to Raster Conversion	<input checked="" type="checkbox"/>		
Snap on Raster Content	<input checked="" type="checkbox"/>		
View Raster (Images, WMS, Imager Server Feed, PDF)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Viewing Oracle Spatial GeoRaster	<input checked="" type="checkbox"/>		
Viewing Raster DEM and Applying Filter on Raster DEM	<input checked="" type="checkbox"/>		

(A) Requires a layered MicroStation installation. | (B) Only applies to Direct Data Access (DDA) graphical source connections (e.g. Oracle Spatial, SQL Server, WFS etc.). | (C) Requires a Bentley Geospatial Server client license. | (D) For Bentley PowerMap Field and Bentley Map PowerView, only 1 map model may be created.

Advanced Terrain Viewing, Modeling, and Processing	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Create Scalable Terrain Model (STM)	<input checked="" type="checkbox"/>		
Display Scalable Terrain Model	<input checked="" type="checkbox"/>		
High-Resolution Image Draping on STM	<input checked="" type="checkbox"/>		
Cadastral Mapping Configuration	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Dynamic Topology Editing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Import / Export LandXML Files	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Import Survey Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Integrated Coordinate Geometry (COGO) Editor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Linear Adjustment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Multiple Topology Layer Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Parcel Split and Merge (with behavior adapted to the cadastre rules)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Sample Cadastral XML Schemas and Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Data Analysis and Reporting	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Automatic Thematic Class Generation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Business Property Review and Navigation (Data Browser)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Browser to Review and Edit Business Properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct Data Access (DDA) Provides high-performance access to large data sources, including ability to perform server-side processing for data sorting and filtering in "Data Browser" application.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export to CSV, XML, HTML via XSLT, Windows Clipboard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature Joins	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geo-Locate Features Instances Automatically	<input checked="" type="checkbox"/> (B)	<input checked="" type="checkbox"/> (B)	<input checked="" type="checkbox"/> (B)
Network Analysis Operations (Trace Connected, Find Shortest Path, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Scripting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Search / Query – Non-RDBMS Business Properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Search / Query – RDBMS Business Properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Solar / Shadow Analysis	<input checked="" type="checkbox"/>		
Spatial Analysis Operations (Buffer, Intersect, Union, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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Data Analysis and Reporting	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Spatial Overlay Reporting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Thematic Resymbolization (Dynamic)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual SQL Query Builder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Capture and Maintenance	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
3D Geometry Cleanup	<input checked="" type="checkbox"/>		
3D Smart Editing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)	
Automatic Geometric Properties (Length, Area, and Perimeter)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Business Property Bulk Editing (Data Browser)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Annotation (from Dynamic Labels)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Create Polygon Parallel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Digital Terrain Model (DTM) Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dynamic Domain Lists	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Edit 2D DGN/XFM Feature Instances	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Edit 3D DGN/XFM Feature Instances	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geometric Properties Bulk Editing (Length, Area, and Perimeter)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High-End 3D Modeling (Push-Pull, Surface Manipulation, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)	
Persistent Topology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Polygon Split / Merge Commands	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Promote Feature Command	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RDBMS Business Property Editing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Redlining and Markup Tools			<input checked="" type="checkbox"/>
Topology Cleanup Tools (Segmentation, Thinning, Duplicate Removal, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Topology Creation Tools (Shape and Centroid Creation, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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Data Modeling	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Bentley Geospatial Administrator (Map Index Creation)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bentley Geospatial Administrator (Schema and Workspace Creation)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geographic Coordinate Systems	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Create Custom Datum and Ellipsoid Definitions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Create Custom Grid and Graticule Definitions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dynamically Updated Grid and Graticule Elements	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Integrated Alternate Coordinate System (ACS) Input and Readout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Interoperability	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Direct Reference Attach GIS Data Formats (Microsoft SQL Server Spatial)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct Reference Attach GIS Data Formats (Oracle Spatial)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct Reference Attach GIS Data Formats (SHP, MID/MIF, TAB)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export 2D/3D GIS Data Formats	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
FME Extension	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Import 2D/3D GIS Data Formats (SHP, MID/MIF, TAB)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Geography Markup Language (GML) formats	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Microsoft SQL Server Spatial Database	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Oracle Spatial Database	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft SQL Server Spatial – Partial Posting Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Microsoft SQL Server Spatial – Read (Query) Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft SQL Server Spatial – Write (Lock/Unlock, Edit, Discard, Post) Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Oracle Spatial – Bulk Data Loading Tool (DGN2SDO)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Oracle Spatial – Long Transaction and Time Component Support For (SELECTseries 1) products, a ProjectWise Geospatial Server client license is required. For Bentley Map Enterprise (SELECTseries 2) and later releases, no additional product license is required. For (SELECTseries 2) and later releases of Bentley Map and Bentley Map PowerView, a Bentley Geospatial Server client license is required.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (C)	
Oracle Spatial – Partial Posting Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Oracle Spatial – Read (Query) Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Interoperability	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Oracle Spatial – Topology Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Oracle Spatial – Write (Lock/Unlock, Edit, Discard, Post) Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ProjectWise Integration Applies only to design file open or reference attach operations provided by ProjectWise iDesktop functionality.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Publish Bentley i-model Files (Export)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Publish Bentley i-model Files with RDBMS Properties (Export)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Spatial Data Streaming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Web Feature Service (WFS) Client – Read (Query) Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
WMS Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Map Finishing	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Color Separation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Flexible On-Screen Element Ordering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Flexible Text Placement and Masking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Graduated Linear and Radial Fills (elements and text)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Halo Effects (elements and text)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Map Indexing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Postscript / PDF Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
WYSIWYG Printing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Map Management	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Automatically Create Thematic Map from Template	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dynamic Feature Labels	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Layers to MicroStation Elements Provides the ability to save one or more selected map layers as simple MicroStation elements using currently displayed layer or thematic symbology.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Layer Display Ordering (Z-Depth)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Layer Groups	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Layer Legend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Map Model Creation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (D)	<input checked="" type="checkbox"/>
Map Model Viewing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scale Sensitive Feature Display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Seamless Map Attachments / Map Indexing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Map Publishing	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Grid Generation Tools	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Multiple Print Model Viewports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Print Legend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Print Models	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Print Preparation Tools	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Map Viewing	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
Animation and Rendering Support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)	
GPS Support and Tools (Place Point, Center View, Track, Trail, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Point-Cloud Viewing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster Viewing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View 2D/3D DGN/XFM Feature Instances	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Product Configuration, Customization, and Application Development	Bentley Map Enterprise V8i (SELECTseries 3)	Bentley Map V8i (SELECTseries 3)	Bentley Map PowerView V8i (SELECTseries 3)
MDL, C/C++, .NET, and VBA Development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run Bentley applications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run MicroStation or third-party MDL applications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run MicroStation, third-party or customer-developed VBA applications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run multiple applications concurrently	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SDK and API Documentation Included Application development for Bentley PowerMap and Bentley PowerMap Field requires installation of Bentley Map (pre-V8i, MicroStation GeoGraphics), MicroStation and the MicroStation SDK. For Bentley Map Enterprise V8i and Bentley Map PowerView V8i, the VBA documentation is included. A layered installation of Bentley Map V8i is required for MDL (native C/C++) and .NET API documentation.		<input checked="" type="checkbox"/> (A)	

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