

**Platforms:** OpenViz for .NET/COM: Windows 8/7/Vista/XP, Windows Server 20012/2008R2/2003R2 • OpenViz for Java: Sun JDK/J2EE on Windows/OSX/Linux/UNIX • OpenViz for Android 3.2+ • AJAX, HTML5, Silverlight/WPF.

**Data:** Powerful data interface allows data access from Oracle, SQL Server, Hadoop, MySQL, and OLAP databases, XML documents, spreadsheets, text files, map files, Microsoft Visio, real-time data feeds and other data sources • Built-in support for large/cube datasets • Extract result sets obtained through interactive filtering for use by other applications • Data already generated or refined in memory by applications can be directly accessed and exported from OpenViz.

**Deployment:** Server, Desktop or Hybrid. Thin client architecture for generation of raster and vector based interactive images for inclusion on web pages • Plug-in architecture enables fully interactive, lightweight Microsoft controls, Java applets and HTML5 SVG • One-click installation • Export to PDF • Licensable for internal and resale deployment. Highly customizable: Control every aspect of a data visualization scene. Quickly modify pre-built charts • Manipulate text, currencies, date/time, legends, tooltips, brushing • Discrete and linear color map legends, chart annotation • Sophisticated and flexible axis systems • Full support for Unicode and easy internationalization and localization including multi-directional text layout.

**In-memory processing:** Data clustering (binning, aggregation), sorting, data reduction (crop, filter, threshold) • Powerful *DataMath* technique allows data to be operated on or modified, in place, with any mathematical expression • Custom data analysis techniques easily accommodated in the OpenViz architecture.

**Graphics rendering:** OpenGL-based 3D renderer takes advantage of graphics accelerators. • Full lighting model for high quality, high resolution output. 100% software renderer delivers OpenViz graphics to any platform. • Output in HTML5, JPG, PNG, PDF and other formats. Deploy as fully interactive HTML5 or lightweight Microsoft controls or Java applets • One-click installation • Thin client architecture for generation of interactive images for inclusion on Web pages • Licensable for internal and resale deployment. Highly customizable; control every aspect of a data visualization scene.

**Development:** OpenViz .NET/COM version can be used with any development environment that supports .NET, Visual Basic, or Visual C++ • OpenViz for Java version can be used with any development environment that supports Sun JDK/JRE, including Eclipse • A rich set of component resources with fine grain control allows precise matching to user requirements and corporate product identity • Identical architecture is available in both .NET and Java standards • Easy conversion of Java application to Android platform • Independent 2D and 3D layers can be overlaid in a scene • OpenViz provides the ultimate flexibility to structure your visual presentation; nearly any scene imaginable can be constructed • Advanced Data Flow/Event Model ensures top performance by eliminating unnecessary screen redraws • Rich attribute system allows granular control over visual details • Sophisticated axis subsystem is extremely powerful in its ability to handle date and time representations of data • Support for numeric, string, date, time and logarithmic axes • Corporate professionals are now able to analyze business data encompassing large periods of time with the ability to remove irrelevant data such as holidays or weekends, or focus on specific periods of time or hours within a day • Easy-to-create 2D and 3D graphics and visualization applications • Visual and data driven debugging aids.

For additional information about [OpenViz](#) contact AVS at [info@avs.com](mailto:info@avs.com) or (781) 890-4300