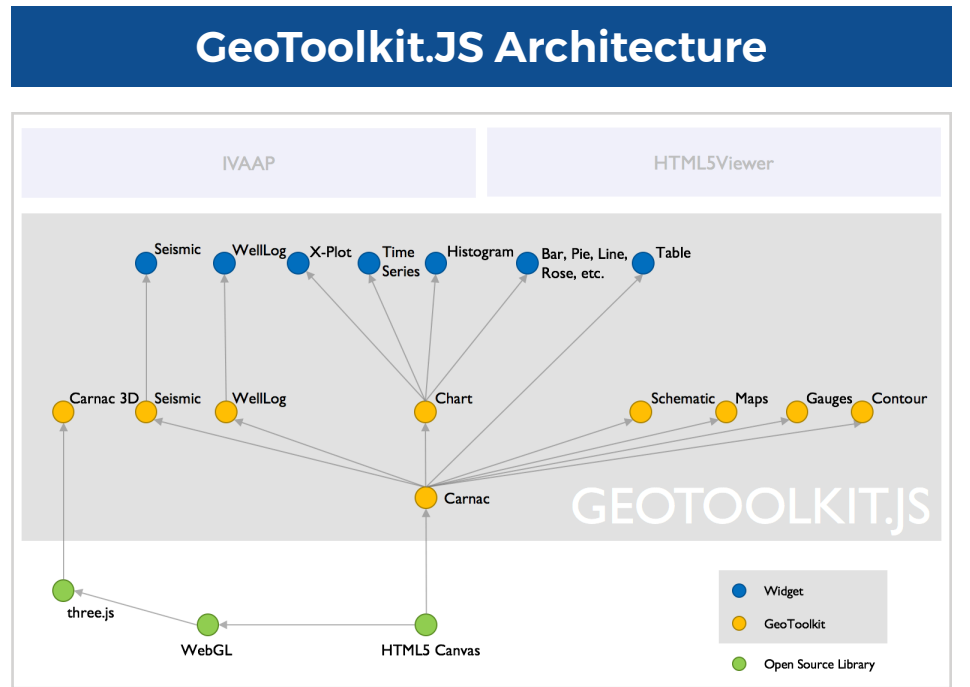


GeoToolkit.JS Features and Architecture Overview

Version 2.5



E&P Libraries and Widgets

WellLog		Seismic		Schematics		3D	
WellLog Visuals	Tracks	Widgets	Data Formats	Display Features	Display Features		
Log curve	Linear	Seismic widget	SEG-Y	Linear or compressed	Grid		
Discrete curve	Logarithmic	Seismic widget with trace header table	Memory data source	Vertical or deviated	Compass		
Tick curve	Axis		INTGeoServer integration with trace decimation and data compression	L-shaped	Three.js library integration		
Value curve	Navigation		Custom source	Multi-string	Different cameras		
Gradient curve		Data Processing		High-quality SVG symbols	Well trajectory		
Fill between two curves or base line	WellLog Widget	Interpolation (linear, quadratic, step)	Real-Time Support	Labeling and annotations	Log curve: cylinder or 2D		
Gradient fill	Display single well log data	Normalization (maximum, average, RMS, specific limits)	Real-time traces	Real-time	Log fill		
Marker (tops)	Vertical or horizontal view	Taper filter	Waveform	Fluid levels	Array log		
Lithology	Template support	Automatic gain control	DTS acquisition	Lithology	Well annotations		
Annotations	Interactive tool support		Shot monitoring	Well log track	Surfaces		
Array log	Time or depth-based data	Display Features		Options to integrate with your own schematics elements library (vector or raster images)	Height maps		
Tadpole	Real-time support	Wiggles			Seismic slices		
Rose diagram	PDF printing	Positive and negative fill		Contour	Seismic overlays		
Density log	Custom header/footer	Variable density with custom color map		Display Features	Pointset (microseismic)		
Image log	Correlation Widget	Trace headers		2D/3D	2D map		
Cross-section	Display multiple wells	Variable trace spacing		Isolines with labels	Animations		
Waveform (requires seismic module)	Supports header/footer	Waveform pattern		Smoothing	Picking		
Custom/third-party visuals	Deviated View	Decimation and clipping		Label collision detection	Reservoir grid		
	Deviated view of existing visuals	Vertical or horizontal view		Colormap-based fill	Schematics		
Headers	Data Formats	Trace headers table		Faults	VTK formats		
Curve	LAS	Time slices in base maps		Overlays			
Fill	Data Object Model	Auxiliary graph					
Lithology histogram		Overlay support		Types			
Track				Regular rectangular grid			
Collapsed				Arbitrary triangular grid			
Custom/third-party headers							

Generic Libraries and Widgets (CARNAC Modules)

Base 2D Graphics		Gauges/Alarms		Charts	
Scene Graph: Graphical Primitives	Table Widgets	Axes and Grids	Display Features	Types	
Line/polyline	Large dataset	Regular interval	Circular	Area	Cross plot
Polygon	Sort	Adaptive (depending on current on zoom factor)	Half-circular	Bar	Tornado
Rectangle	Cell editing	Logarithmic	Linear	Box plot	Line chart
Ellipse	Custom cells		Numeric	Bubble	Heat map
Arc	Export Options	Interactive Tools	Digital	Donut	Multiseries
Arrow	Image	Cross hair	Traffic	Histogram	Treemap
Generic path (bezier)	PDF	Rubber band	Multi-value	Table	Flow charts
Spline	CGM	Point and area selection	Custom gauges	Pyramid	Multi-histogram
Symbol	Misc	Shape Editor		Line	Linear / non-linear regression
Text	Color bar	Zoom in/out	Maps	Pie	Regression line
Image	Legends		Display Features	Radar	Cross-section
Tiled image	Color providers	Data Source	Support for different layers	Rose	Real-time support for all charts and widgets
Groups	Scrollbars	Data Series: represent a single series of values	ArcGIS feature layer		
Node Layout	Support of CSS styles	Data Table: a group of data series organized as table	WMTS services: Google, MapQuest, ESRI, OpenStreet map	Time Series	Reports
CSS	Persistence	Data View: read-only sub view of data series/table	GeoJSON support	Display Features	Display Features
Vertical/horizontal	JSON schema		Overlays	Customizable time axis	Document Preview
Grid	Units		Contour layer (requires Contour module)	Annotations	PDF
Annotated	Internationalization/localization			Overlays	
				Fill/fill between	
				Interpolation modes	
				Linear/logarithmic	