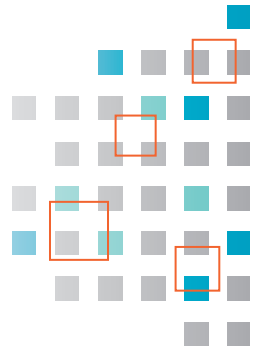




# Tom Sawyer Perspectives

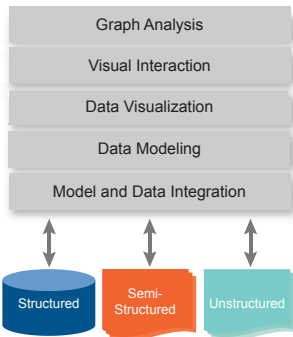
Combining the power of advanced data relationship visualization and analysis for faster insights into your complex data



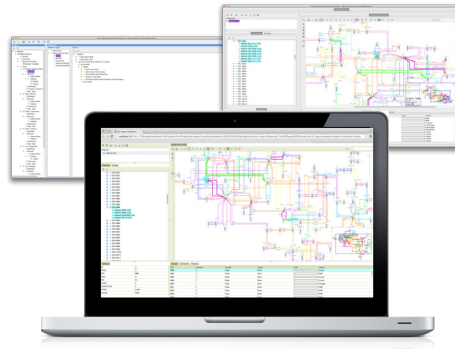
## REFERENCE ARCHITECTURE

Tom Sawyer Perspectives is designed to build data relationship visualization and analysis applications requiring high levels of performance, quality, and scalability.

The Tom Sawyer Software reference architecture simplifies development of cross-platform applications that can be deployed on web and desktop



Tom Sawyer Perspectives is graphics-based software for building enterprise-class data relationship visualization and analysis applications. It is a complete Software Development Kit (SDK) with a graphics-based design and preview environment.



Tom Sawyer Perspectives enables teams to quickly develop production quality data-oriented applications. Developers use two graphical modules – the Designer and Previewer – to build applications around the specific types of data that drives each project. Using the Designer, they define schema, data sources, bindings, views, filters, searches, and rules.

Developers can also use the Designer to specify custom toolbars, tooltips, context menus, and graphical viewing and editing behaviors. With the Previewer, developers can iteratively view the application design without needing to recompile. When used together, the Designer and Previewer provide an efficient round-trip process that dramatically speeds up application development.

## ADVANTAGES

### • Faster Time-to-Value

Achieve lower cost and reduce the time to develop sophisticated applications through project-based application design.

### • Lower Development and Management Risks

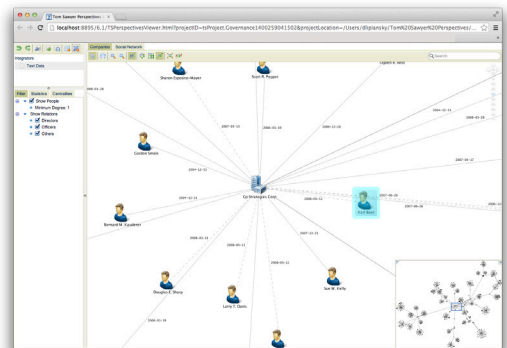
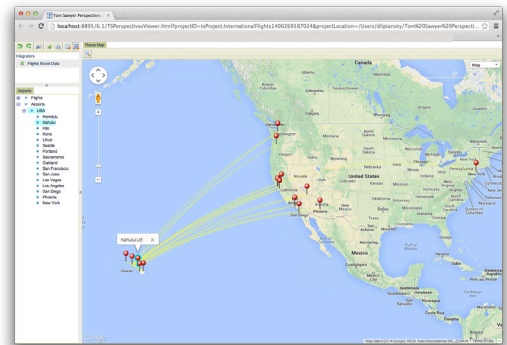
Reduce the risks of developing and managing enterprise-class applications through design sharing, reuse, and software platform-agnostic implementations, decoupled from changes in the data sources.

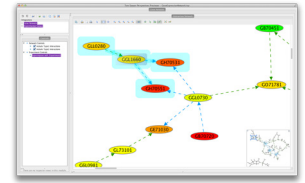
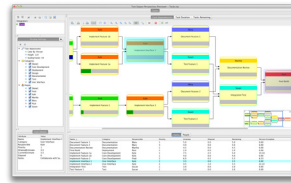
### • Increased Flexibility and Agility

Deploy a single application design to multiple software architectures.

### • Market Leading Visualization and Performance Quality

Take advantage of the software industry's best graph visualization, layout, and analysis for unmatched drawing quality, performance, and scalability.





## CAPABILITIES

### • Graphics-based Software

An easy-to-use design environment simplifies development tasks, such as schema definition, data integration, view definition, and filter and search design. Extensive APIs are provided for additional customization.

### • Integration with Application Data Models

Model integration APIs allow developers to populate a Tom Sawyer Perspectives data model from an existing in-memory application data model. Tom Sawyer Perspectives also offers a model event system that enables customer applications to listen to changes in the data model as they occur.

### • Data Integration

Data integrators for structured, semi-structured, and unstructured data, with federated update and commit facilities, support disparate and distributed data types. Data integrators are provided for SQL, XML, Text, Excel, RDF, REST, Neo4j, and InfiniteGraph.

### • Multiple Data Views

Views include drawings, maps, tables, trees, and inspectors to facilitate visual analysis from different perspectives.

### • Several Drawing Layout Styles

Circular, hierarchical, orthogonal, and symmetric layout enable dynamic exploration of prominent data relationships.

### • Advanced Graph Analysis

Analysis enables applications to address pressing analytic problems. Methods include clustering and partitioning, dependency, impact and root-cause analysis, path finding, traversals, network flow, and social network analysis.

### • Advanced Navigation, Filters, and Search

Viewing techniques include flexible filtering, attribute-driven search, synchronized selection and highlighting, panning and link navigation, overviews, and marquee, focal, and interactive zooming.

### • Persistence

Drawings can be stored and restored across user sessions.

### • Printing and Exporting

Includes print preview, multi-page printing, and image export.

## DATA SOURCES



## PLATFORMS AND TECHNOLOGIES

JAVA

.NET

### SERVER OPERATING SYSTEMS

Apple OS X 10.8, 10.9  
Microsoft Server 2008, 2012  
Microsoft Windows 7, 8, 8.1  
Oracle Linux 5, 6  
Oracle Solaris 10,11  
Red Hat Enterprise Linux 6  
SUSE Linux Enterprise 11

Microsoft Server 2008, 2012  
Microsoft Windows 7, 8, 8.1

### APPLICATION SERVERS

Apache Tomcat 6.0, 7.0  
Eclipse Jetty 9.1.3  
IBM WebSphere 8.5  
Oracle WebLogic 11g, 12c  
Red Hat JBoss 6.0, 6.1, 7.0, 7.1  
WildFly 8

Microsoft IIS 7.0, 7.5, 8.0, 8.5

### WEB BROWSERS

Apple Safari 6.0, 6.1, 7.0  
Google Chrome  
Internet Explorer 8, 9, 10, 11  
Mozilla Firefox

Apple Safari 6.0, 6.1, 7.0  
Google Chrome  
Internet Explorer 8, 9, 10, 11  
Mozilla Firefox

### WEB TECHNOLOGIES

CSS, HTML, JavaScript  
Dojo, Ext JS, GWT, jQuery

CSS, HTML, JavaScript  
Dojo, Ext JS, jQuery

### TARGET APPLICATIONS

Desktop  
Eclipse SWT, Swing  
Web  
HTML5, Image Map

Desktop  
Direct2D, WPF, Windows Forms  
Web  
HTML5, Image Map  
ASP.NET, ASP.NET MVC

