THE VISUALIZATION PLATFORM.

DGLUX

VISUALIZE THE DATA. ANALYZE THE PROBLEM. FIND YOUR SOLUTION.

*DGLux is a "**drag & drop**" visualization platform that enables you to design real-time, data-driven applications and dashboards without ever writing a single line of code.*

- Build Visually Stunning Interfaces & Dashboards Without Writing A Single Line Of Code

- Significantly Reduce Time & Money In Project Design, Creation And Deployment

- Analyze, Monitor And Control Building Intelligence And Analytics Systems In Real Time With The Most Cutting Edge Visualization Available On The Market

- Run Your Dashboards And Applications On Any Touch Screen Display, Educational Kiosk, Digital Signage, Computer Or Mobile Device With Automatic Scaling To Fit Any Resolution

- Enhance Your Energy Analysis, Monitoring, Troubleshooting, Load Shedding, Property Management, And Cost Comparison To Improve Energy Efficiency And Save Money

LINK MULTIPLE DATA PROVIDERS

Single User Experience For Disparate Systems. Derive Context From Unorganized Data. Reuse Visualization Templates To Save Resources.

DGLux, our "drag & drop" application and visualization platform maximizes analysis efficiency and enables faster communication through real-time, data driven dashboards for web, desktop and mobile devices. As a thin client-side technology, DGLux is a back-end system agnostic platform which supports mashing up KPIs from various data sources in a single user environment. Data providers for DGLux include XML, CSV, JSON, Google Docs,

NiagaraAX, SkySpark, Salesforce, Schneider EEM, Delta EnteliWeb, Splunk, SQLStream S-Visualizer, Automated Logic WebCTRL and a general JDBC adapter allowing you to connect to your relational databases.

DGLux is a client-side platform that can be deployed on many different types of hosts and visualize data feeds from multiple types of data providers created by DGLogik or other third party

developers using DGLux's Open Data Adapter API.

A DGLux edition is tied to a specific server-side technology. Internally DGLux utilizes this host adapter to perform operations such as access control, user management, serving DGLux to the client web-browser, saving and viewing DGLux dashboards or uploading and managing media assets.

REAL-TIME DATA VISUALIZATION

Real-time, True To Life Graphic Representations. Plug In, Visualize Your Data & Find Your Solution. Become Better Informed And Faster Reacting.
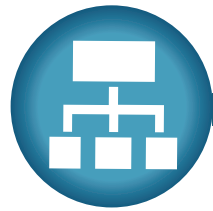
Data-to-property binding enables true intelligence; views and dashboards that instantly react to changes in your real-time and historic data to display your most relevant information in real-time.

Create alarms and notifications, trigger events and actions automatically, and build data-aware applications with real-time interactivity. Achieved through the implementation of

DGLux, hardware and sensors, enable a common, real-time monitoring and management platform for all interdependent systems across IT and facility infrastructures.

Schneider Electric

SQLstream — Query the Future®

XML   CSV   JSON

Salesforce   SkySpark   CISCO   niagara^AX

FLEXIBLE DEPLOYMENT OPTIONS

On-Premise Deployment

In an environment where you have a significant data set and need to keep all data and software on-premise, DGLux can be deployed on any server that you have onsite. You have full control of the deployment architecture.

Hosted Solution Deployment

As the popularity of cloud computing grows, DGLux architecture is flexible enough to accommodate a hosted solution where DGLux can reside in the cloud and access data on any other server or device.

Embedded Device

DGLux can reside on any embedded device such as a gateway or controller. The core DGLux platform requires 4Mb of space.

CLIENT-SIDE TECHNOLOGY BENEFITS

No Tax On Your Server!

Running as a client-side technology, DGLux does not tax the CPU of your server and saves those resources for your server to focus on collecting and analyzing your data. The only function your server is responsible for is to serve the DGLux application up to the client machine and feed data to it. The server does not handle any of the graphics rendering or user interaction functions.

Use CPU Of Any Local Machine!

With the ever increasing CPU of modern laptops, mobile devices and tablets there is no reason not to take advantage of it. DGLux, once served up to the client, uses the client CPU for all of the graphics rendering and user interaction functions. This provides for a more intuitive and more responsive user experience.

UNIFY ALL SYSTEMS

Infinitely Expandable Architecture

DGLux has an infinitely scalable architecture in multiple ways. There is no limit to the amount of data points you can pull in to monitor, analyze and control; no limit on the number of users that can access the system or the amount of devices that can utilize your applications. DGLux also has screen resolution independence, which means that your dashboards operate with all visual fidelity and interactivity exactly as designed to function on any web, desktop or mobile device.

Unified Portal

Mash up all systems in one interface with the ability to connect to any supported data provider all at the same time in a single, cohesive interface. Utilizing unique permissions for various users, DGLux interfaces are able to cater to multiple types of audiences including executives, engineers, energy managers, facility operators and tenants.

INTELLIGENT COMPONENTS

Component Creation

The ultimate power in visualization manifests itself when your dashboards create themselves based on the available data, this functionality is something we call AutoBuilt. The Repeater, Tables and other advanced features allow objects to be designed to dynamically replicate themselves for certain data types, creating a self-building data driven application.

Custom Widget Library

A fully customizable widget library enables any object on the stage to be saved as a widget to be reused across all projects and speed up the design process. Create new widget categories or import third-party libraries or components. DGLux supports a massive array of media formats. Image, video, audio, animations and even websites can become native components!

Transform Your Data

Revolutionizing the way we build applications through visual programming, DGLux provides the tools for transforming your data including logic blocks, grouping, math expressions, If-blocks, case widgets, timers, filters, roll ups, date formatter, table operations and table generators to build logic without code!

Drag & Drop Workflow

The "drag & drop" workflow of DGLux enables you to simply drag any point from your data source and bind it to charts, gauges, graphs or even visual properties of objects! This workflow enables you to quickly create visually stunning, data-driven applications without ever having to write code.

Intelligent Components

Add dynamic properties, group and layer objects and save them to the widget bar to be reused on any project. You can also reorder and group widgets into any categories for organization and usability.

Data DVR

With functionality that is unique to DGLux, known as "Data DVR" or "HVAC Time Machine," operators can easily rewind historical data and play back equipment performance exactly how it was at any specific point in time to identify problem areas within systems.

QR Code

Configure the QR Code reading widget, available as a standard component of DGLux to be able to trigger any set of actions you define. This enables you to scan any unit of equipment and load the appropriate equipment dashboard displaying all of its relevant data, or scan a code in any room in order to bring up the command interface for that room. The possibilities are endless.

Zone Builder

Create smart zone overlays on any floor plan in just a few clicks. The Zone Builder enables you to simply draw zones on any floor plan using the drawing tools included in DGLux and have all your zones be dynamically linked to the appropriate equipment displaying all relevant data for that zone including the color-coded view of selected points such as a heat distribution gradient or occupancy information.
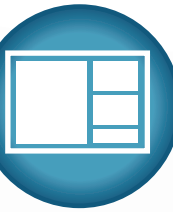
Custom Templates Library

Accelerate your workflow with the preloaded templates library! DGLux provides a complete templates library with every installation with a variety of colors and styles which helps you to easily build out your dashboard within minutes. The library is fully expandable so that you can create new template styles and template categories to be used on future projects.

Flexible Layouts

Align your dashboards & interfaces to exact layout with the width & heigth, X and Y positions, heirarchy, rotation and mouse position. The ability to use pixels or percents in your layout properties in addition to various scaling options, your interfaces can be automatically scaled to any resolution for any display.

Layout Widget

When laying out your user interface, DGLux offers options of the absolute layout, dockable layout, divide box, DGML include, view stack, tab navigator, accordion, horizontal coverflow, vertical coverflow or carousel.
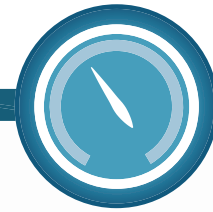
Equipment Library

DGLux offers several sophisticated graphics libraries including everything you need for HVAC and data centers. These include ducting, piping and an array of equipment, walls and floors, air flow icons and markers.

Gauge Library

DGLux offers a full library of circular gauges, horizontal gauges and vertical gauges to display your data in the most relevant way to your audience.

Media Import Widget

DGLux allows you to import an array of media using the universal media loader, image loader, frame animator, video player, youtube loader, sound loader, portlet, webcam or even use maps with the MapQuest component.

Unique Property Inspector

The most powerful feature of DGLux is its sophisticated property inspector which houses hundreds of customizable properties for all components. This enables you to achieve pixel-perfect precision to meet any requirements. The ability to bind to or from any property allows for truly intelligent interfaces that adapt to the type and value of the data they are displaying.

Create Interaction

Using the "Behaviors" feature in DGLux, you can create interactions that allow you to execute any set of actions, change visual properties, command data points, export images, export .PDF files, export spreadsheets, open dashboard or open a web page with only a few clicks! With the options to execute any command through user interactions within an interface, you can control and monitor your sites with ease.

Set Touch Screen Gestures

DGLux enables you to build interactive mobile applications with support for all touch screen gestures such as swipe, rotate, pinch, spread, two finger tap and scroll. With native Apps for Android and iOS, you can download the free DGLux Mobile app on the Android Marketplace or the Apple App Store and "App Yourself" today!

Set Mouse Gestures

To build interactive applications, DGLux allows you to add actions to any objects interaction a user can make such as click, double click, roll over, rollover & out, mouse down, mouse up, click on, click off, load complete or custom triggers for a mix of interactions.

Icons & Graphics Library

So you aren't starting from scratch, DGLux provides a massive amount of graphical assets to get you started such as assorted background themes, patterns, buttons, shadow effects, callouts, assorted icons and glass effects.

Bezier Drawing Tools

DGLux comes fully loaded with all drawing tools such as rectangle, rounded rectangle, elipse, polygon, quadratic bezier, single line, polyline and skewing. Once you have drawn your area, you can adjust the area fill and stroke fill for solid, linear gradient, radial gradient or bitmap to dynamically display your data.

Text Indicators & Tables

To display your text and tables, DGLux offers multiple text indicators, text inputs, text areas, numeric indicators, rich text areas, real-time tables and historic tables.

Charts & Graphs

To display your data, DGLux offers many different column charts, bar charts, line charts, area charts, pie charts, radar charts, dynamic charts and scatter charts to best represent the meaningful data in your systems.
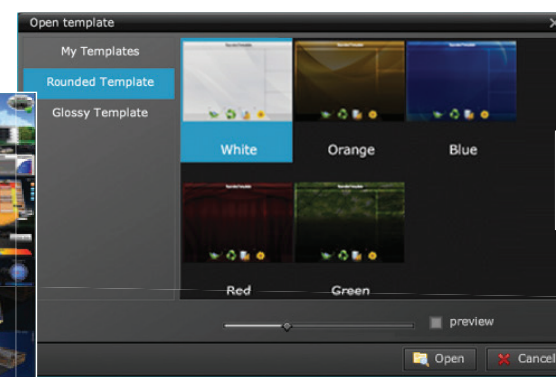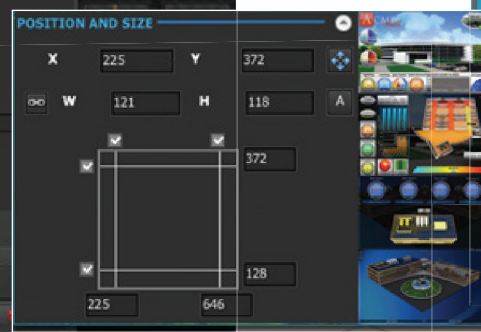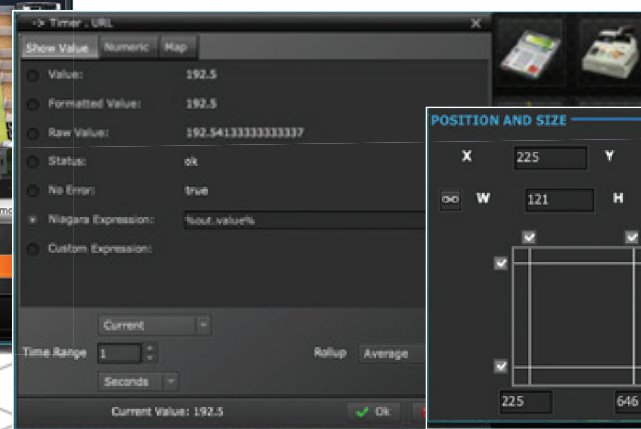
Allowing You To Connect To Various Data Providers