developing application interfaces for JAVA

Infragistics™
Powering The Presentation Layer

JSuite - Design Goals

Introducing JSuite, the only suite of presentation layer components designed to provide everything you need to create polished, robust GUIs for Java environments. JSuite delivers the right toolset for any UI, allowing you to easily create interfaces with the sophistication and usability found in today's most recognizable commercial applications.

Developers can use JSuite to create:

- client/server applications
- server-based thin client applications for the web with virtually the same rich user experience found in thick client implementation
- user interfaces connected to Web Services using XML and SOAP, for seamless application integration

JSuite:
Problem Analysis and Design Goals

The JSuite Solution
Application Interface Metaphors

Developer Needs

Developers have embraced Java over the last decade. The rapid growth of Java IDEs and the pervasive use of Java for web development bears testament to this. Few developers writing applications in the 'real' world would think of hand-coding entire applications. And so it is with components – developers have learned to rely on commercial components to create interfaces rapidly, dependably, and cost effectively.

But today the developer is faced with additional challenges – specifically, how to cope with rapid, ever-evolving changes in technology. Today's developer must build more functional applications with less resources in a shorter amount of time.

That's why we created the JSuite. Infragistics provides a singular, complete foundation set of components to build on; a framework of reusable components that will give your application commercial class presentation in a fraction of the time it might take to write all the code yourself.

In the end, the developer must continue to provide the user with interfaces that are familiar and intuitive to use. Infragistics is committed to keeping in step with your needs; Jsuite is designed to let you easily replicate the look and functionality of the most recent versions of commonly used applications in every detail.

Architected for Tomorrow

The Infragistics JSuite was architected from the ground up to deliver tomorrow's requirements as well as providing for the needs of today. We took full advantage of the power of Java in designing our components, and maintain unprecedented stability, consistency and fine, granular programmability. Our object models let you address every level of the object hierarchy; our rich event models let you code to the precise action, and keyboard, mouse and selection strategies can be customized to your specific requirements.

More Than Just Products

Developers certainly need great components. But there is much more to a satisfying experience than just the features of a product. That's why JSuite comes with Infragistics' developer friendly services and policies wrapped around the product.

We provide high quality on-line help, reference implementations, a knowledge base, a personalized support portal, use case samples, and more. And we offer services designed to provide priority support for help whenever you need it.

And because we know you want maximum control over your projects, our JSuite Gold Edition includes all Java source code for our JSuite components and designers. Owning source code provides both value and peace of mind. Whether you use it to ensure the integrity of your project, as a learning tool, or as a base to make custom changes, our Java source code completes the JSuite offering, perfectly.

Putting a Face On Your Applications

It is estimated that over 30% of all development is GUI development. It is the 'face' of your applications that your users relate to, and judge your work by. Why not take advantage of the Infragistics JSuite to help reduce your GUI development time and effort? Incorporate our grids, charts, schedules, calendars, gantt, toolbars, explorer, listbars, trees, menus, tabs, editors, and more (over 50 controls in all) into all of your Java application development. We can help you deliver your presentation layer development on time, and on budget. Management will be impressed, the development team will be happy, your applications will look great, and your users will feel right at home in their new GUI.

Displaying Data – Tables/Grids

Infragistics is proud to provide industry leading tables/grids for AWT and JFC. Our JFC table is a direct drop-in replacement for Java's JTable, so you can take any project you've started with JTable and substitute our JFC Table. All the code you'd previously written will continue to work.

Our tables are feature-rich, including advanced features such as cell merging (ideal for displaying master/detail relationships), printing, images, sorting, searching as well as built-in support for in-cell validation using JSuite's editing components.

AWT/JFC/JavaBean

Table featuring in-cell dropdown list

Infragistics n-tier Data Models

Populate our Java tables using our exclusive n-tier Data Models. Sources include XML, JDBC, URL, file, sockets and IDE-specific models. Connect streaming data over sockets to table components to display real time stock market trades, quotes, inventory, and much more.

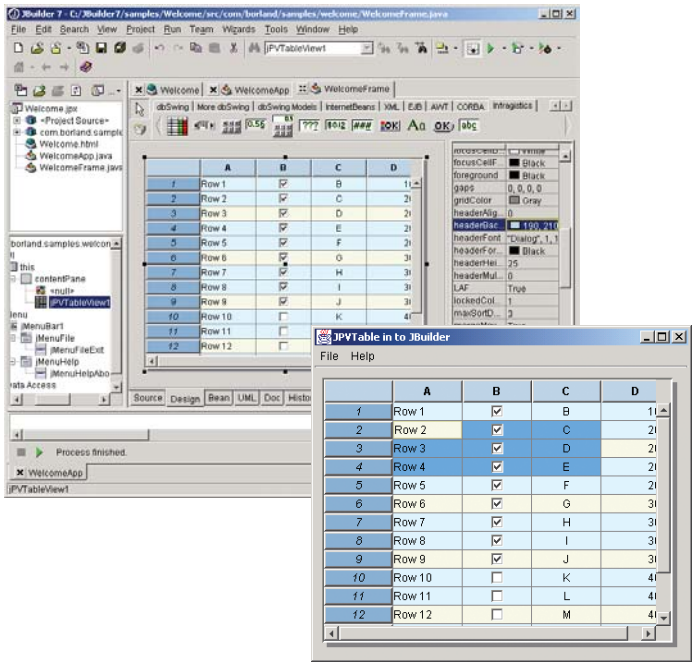
Built-in Convenience Makes Development Easy

Our visual design-time customizer makes setting up a table and customizing the look and feel a snap, and the table reflects your settings in design-time, to allow you to see what it will look like in your application.

Data retrieval and navigation is as easy to configure as the table's look and feel. Easily populate the table with your data using the Infragistics Data Models provided. Apply customized appearances and behaviors to the table, columns, rows or cells through our intuitive object model, including implementing our versatile column styles (including button, checkbox, label, and more). Use our rich in-cell dropdown editors for an even more robust interface - including dropdown calendar, calculator, color picker, and others.

Highly Flexible Event Model

Table events can be monitored by a standard Action/Listener as events occur within the table or affect changes in the table due to changes in the data. We provide a large set of events that allow the developer to control actions at every phase of interaction including click events, focus, editing and Data Model events. Take finite control of how your user interacts with the application.



Powerful, Flexible, Precise Editing

Edit by cell, row, column or table or any combination. Built-in data editors are provided for all major data types. Flexible keyboard mapping can let you start or end editing upon the use of specified keys or custom action events, such as ending edit on lost focus, column resizing, moving, sorting, etc. Flexible editors and renderers include String, Long, Double, Integer, Short, Byte, Number, Character, Date, Boolean, Image Icon, and Object.

Robust in-cell editors include embedding any component in a cell. We provide embedded editors for your most common needs, including masked edit, currency, dropdown calendar, dropdown calculator, time, numeric, password, and more. Columns in the grid can even have mixed objects in the same column.

AWT/JFC/JavaBean

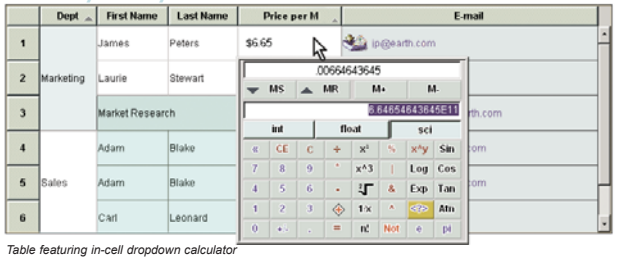


Table featuring in-cell dropdown calculator

Powerful Searching and Sorting

Sort chevrons optionally displayed in the column header set ascending/descending for up to three columns of sort order (primary, secondary and tertiary); set the key column; turn on/off case sensitivity. Search a column for specified text - case sensitive, partial matching, or start from a particular row.

Advanced Features and Powerful Performance

Print directly from the table, including printing multiple pages where the table doesn't fit on one page. Display Print Dialog before printing, optionally print page numbers, scaling, auto-fit to page., 3D effects, colors, table lines, labels and headers, page total and images are all advanced features of this powerful printing feature set.

Advanced features such as multi-line text and heads-down data entry (automatically move cursor from cell to cell, row to row) speeds data entry. And, our sophisticated selection strategies allow you to single- or multi-select by column, row, or cell, including accessing the first selection in an array of selected rows/columns; clear selection, and listen to selection change events.

Our highly customizable display objects let you take finite control of your table to produce applications with the precise look and feel you desire for every object in the table, including table, column headers, labels, cells, table lines, selections and affect borders, colors, fonts, 3D effect, shadows and more for each object. And custom drawing using our object classed provides endless possibilities.

Change cell appearances based on column, row, or cell basis, including background color, foreground color, font and image. Specify width/height for objects within the table, including column headers rows, individual row and/or column height, merged cells and more.

JFC/JavaBean

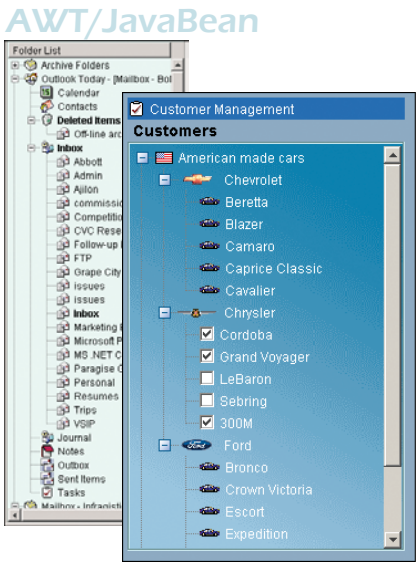
SpacelineID	DepartureDate	ArivalDate	FlightNumber	ETA
USA	1/11/2067	1/9/2067	300	07:40 PM
	1/19/2067	1/2/2067	320	01:00 AM
	1/11/2067	3/20/2068	440	01:00 AM
RUS	1/2/2067	1/1/2067	1000	12:00 AM
	1/2/2067	3/20/2068	1000	01:00 AM
CAN	1/4/2067	3/20/2068	1	01:00 AM
	1/2/2067	3/20/2068	2	01:00 AM
FRA	1/1/2067	3/20/2068	1001	01:00 AM
GER	1/1/2067	3/20/2068	2000	01:00 AM
SWE	1/2/2067	3/20/2068	3	01:00 AM
	1/2/2067	3/20/2068	4	01:00 AM
MEX	1/3/2067	3/20/2068	1002	01:00 AM
	1/3/2067	3/20/2068	1100	01:00 AM
UNK	1/1/2067	3/5/2070	5	01:00 AM
	1/1/2067	8/19/2069	6	01:00 AM

Table featuring images in cells and checkbook-style rows

Data Organization and Navigation

Trees

Create eye-appealing, feature-rich treeviews for web site navigation and Java applications. The Infragistics AWT & JavaBean tree is fully customizable with advanced sorting, searching, multi-selection and node images. Our JFC tree extends JTree to add advanced drag & drop capabilities, built-in check boxes and complete customization of colors, fonts and images.



Trees featuring customizable images in nodes and background image, and custom rendered checkboxes

Built-in Convenience

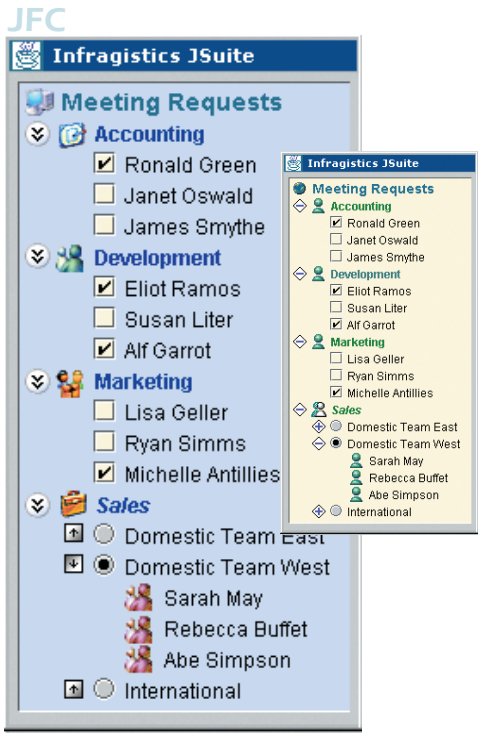
Like many of our Java components, our trees include rich design-time visual customizers to easily set up your tree, and see what it will look like concurrently. Convenience is built right in with keyboard insert/delete, searching, sorting, drag and drop, and much more. Built-in auto-scrolling, specifying hidden nodes, programmatically reload, expand/collapse nodes. This tree can do it all.

Customizable Display Object

Take finite control of your tree to produce applications with the look and feel you desire for every object in the tree (nodes, children, checkboxes and more.), including borders, colors, font, 3D effect, shadows and more. Custom painting is supported for any node/selected node, node images, expansion indicators, and for checkboxes on nodes, providing endless possibilities. And our wide range of events allow you to programmatically react to your user's every action.

Drop-in Replacement

Our JFC tree is a direct drop-in replacement for Java's JTree. Just substitute our tree for theirs and all the code you've written for JTree works with JSuite's JFC tree. Plus, of course, you get all of our advanced features.



JFC tree featuring customizable images in nodes, and built-in checkboxes and radio buttons in nodes.

Tab Control (AWT/JavaBean only)

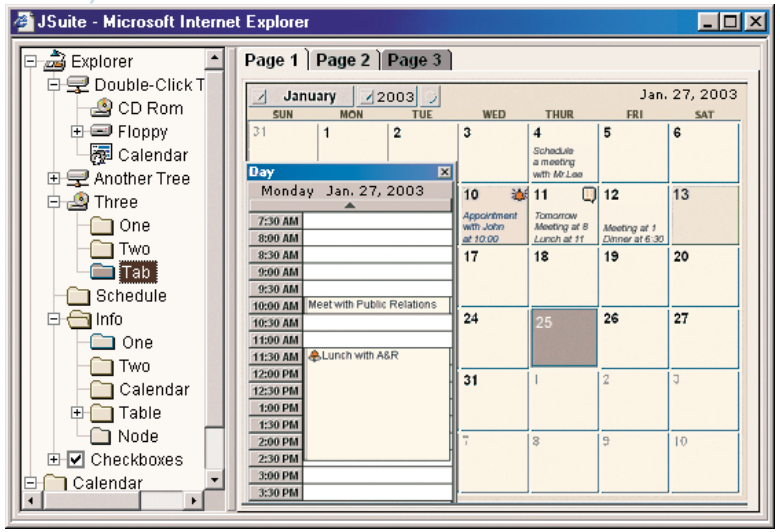
Our fully customizable tab control provides convenient paging in a familiar interface, with improved, easily customized features. Tabs can be changed on mouse click or mouse press events. These events then bring the panel you've assigned to that tab to the foreground.

Every page and its tab can have its own unique foreground and background colors. We provide convenient methods to get/set/add/insert/remove/getCurrent/ etc. for pages and tabs.

Customized display options

All parts of the tab control are customizable, including the location of the tab (top/bottom), shape of tab (7 styles), width and height. Also specify tab and spin button borders, tab and panel background colors and text/3D effects and shadows. Optionally, override painting and paint your own elements dynamically, for endless possibilities.

AWT/JavaBean



Spin Buttons

Spin buttons appear automatically when there is no space for all tabs, and they are customizable in both appearance and behavior. Choose from three styles of ratio between width and height of spin buttons, customize color and border style, and specify scrolling style. You can scroll through tabs one tab at a time or by a specified amount (2-100 pixels).

Speed and Flexibility

We offer a wide variety of options to let you control the speed and flexibility of the tabs. You can choose to specify off-screen "double-buffered" painting for faster rendering, Or you can control the built-in scrolling to scroll the entire tab or a specified pixel amount.

You may specify a pixel value to adjust the height or width of a tab, or allow it to automatically adjust to fit its label/font. Custom images can be rendered on a tab label. We allow you to provide visual clues to aid the user, such as darkening the background of an inactive tab, rendering the inactive tab a pixel lower than the active tab, and removing the 3D effect from an inactive tab

Get/set client size of panels assigned to pages of the AWT tabs. Add/insert page with blank new panel or add/insert page with a panel and text of label assigned to its tab. Remove page at specified index, remove all pages. Get/set a panel, label of tab, width of tab at specified index. Disable (do not allow to select) a tab at specified index. Increment/decrement index of currently displayed page. Simulate scrolling of tabs from code.

Additionally, you can disable any tab so that it will not display the panel assigned to it, and/or restrict users from changing tabs.

Events

Special tab events can be processed by a standard Action/Listener, which fire before page change, and can be canceled by the eventCancel() method.

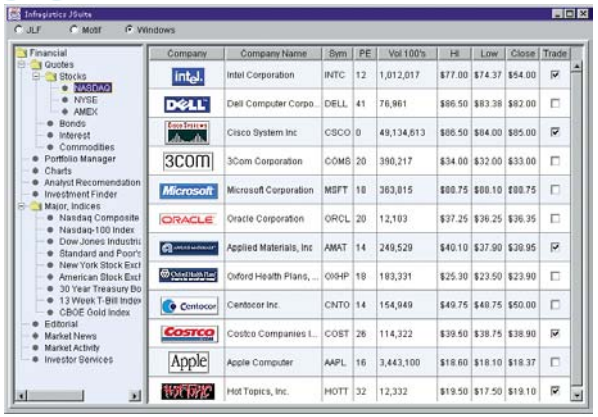
Explorer UI (JFC Only)

There is no more recognizable visual metaphor in Windows than that of the Explorer UI. Create intuitive application navigation using the Explorer - and do so with the convenience of a pre-built JFC explorer component.

Built-in convenience

The right hand pane of the explorer can display any component, and we include a table as the default component. The tree and table are automatically synchronized, and, to provide the most intuitive explorer, the table can be set to display child node images of the tree in the table's first column. All objects in the tree and table can be addressed programmatically for precise control of the application.

JFC



Explorer featuring a flexible tree on the left and grid in the right hand pane with cell images.

Customized display options

The JFC explorer allows you to create highly customized displays, including finite control over appearances such as color, height, width, image, alignment, font, and more. You can specify custom appearances for the selected tree node, or use Java LookAndFeel Manager.

Right-Pane Display Options

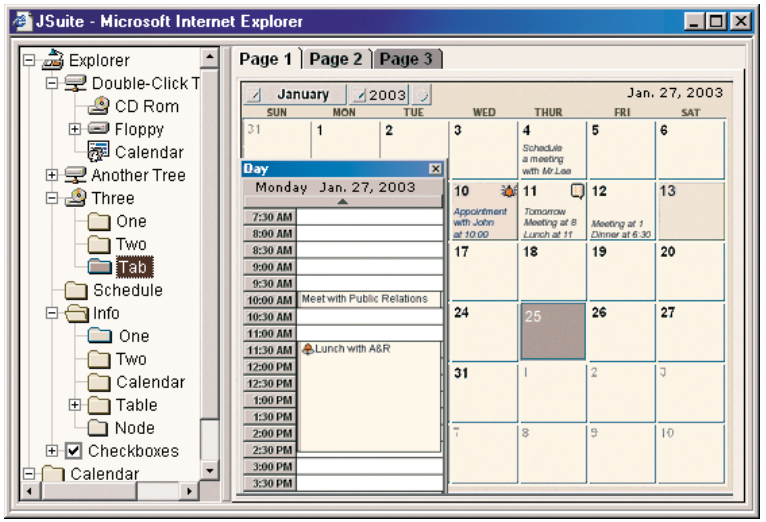
The default right-hand pane component is a highly flexible table, configured with default columns, and support for built-in or custom data models to be specified. Column styles in the built-in table can be a label, button or checkbox, and the first column can be "frozen"—locked in position by disabling dragging for that column. However, any component can be specified for display in the right pane, creating endless possibilities. For instance, specify a calendar with dayview, and you can deliver applications that mimic Windows Outlook, or a personal information manager.

Highly Flexible Behavior

The JFC explorer is highly flexible, automatically handling sorting and synchronizing the newly sorted data between both tree and default table. Editing, and node/table cell selection is also automatically synchronized between the two components.

The JFC explorer has built-in flexibility for node selection, and provides a number of built-in styles for both tree and table. Extensive support for images, including eight node image styles, are provided and can be replaced with custom images, created on the fly. Image background supports transparency and other advanced features.

JFC



Explorer featuring a flexible grid on the left and a calendar with tabs in the right pane

Gantt (JFC Only)

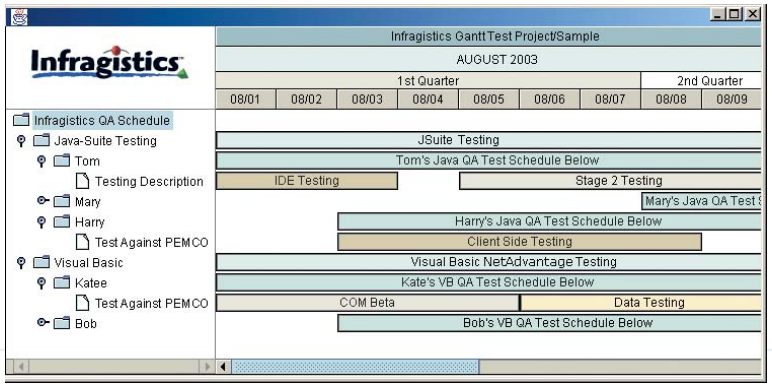
Use the popular Gantt chart metaphor to create stunning visual applications such as project management or progress charts. The JFC gantt component automatically and easily creates both portions of the metaphor - left hand hierarchical tree and date/time bar chart on the right.

Convenience, Control, and Flexibility

Use JSuite's advanced Data Models or provide your own custom data. Our gantt automatically synchronizes scrolling and data between both panes. We provide a wide range of properties and methods to allow you to get the exact look and feel you desire in the right place. And we also provide a robust set of events for you to program against so that you get the perfect action at exactly the right time.

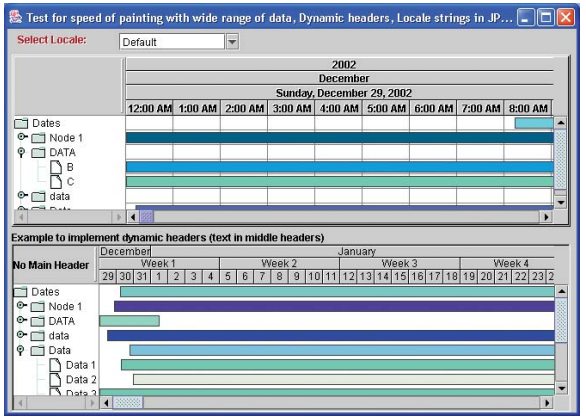
And as with all Infragistics components, we make it easy to create applications. The JFC gantt has an easy to use designer that makes it a snap to create gantt charts.

JFC



Gantt for organized project management

JFC



Customized Display Options

Every appearance property (including color, borders, images, font, etc.) can be set for all child components of the gantt as well as default column headers, bars, focus and selected bars, and more. Specify width and height of tree, rows, columns, headers, vertical spacing, margins, formaqt header labels, and others. Specify the range of displayed data, start values, and relative or absolute units.

With several options and a "mix-and-match" option, the tree nodes and gantt display can be synchronized or de-coupled to allow amazing flexibility. Node data and corresponding appearance of that data can be separated when using mixed models for both the nodes and the gantt, allowing you to completely customize how each individual node's data appears to the user.

Use properties to easily create advanced features such as one-button expansion or contraction of the gantt's time frame. Create stunning applications for project management, manufacturing process control, facilities utilization and more. The limit is your imagination.

Charting (JFC and Server-side)

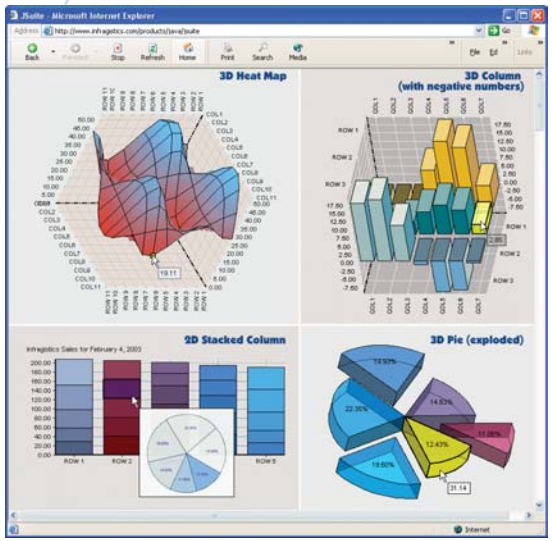
Whether you want rich client/server architecture, or you need to deliver stunning graphics in a thin client format, JSuite's charting components are for you. And best of all is the fact that they are both built on the same charting engine - therefore the same APIs apply to both. It's as easy as literally cutting and pasting code from the JFC chart to the Server chart or vice versa.

Stunning Graphics

Data can be confusing, difficult to assimilate, and easy to misunderstand. That's why users crave charts and graphs to more easily grasp data and the relationship of data elements. And have we got charts for you!

We provide all major chart types, in both 2D and 3D, including bar, stacked bar, column, stacked column, line, area, pie, scatter, bubble, heatmap, candle, hi/low and open/close financial. Many advanced features such as anti-aliasing, alpha-blending and transparency, background images, advanced color modeling, an innovative layered design, flexible legends, labeling, advanced tooltips and data highlighting make our graphs totally customizable and able to create spectacular effects.

JFC/SERVER

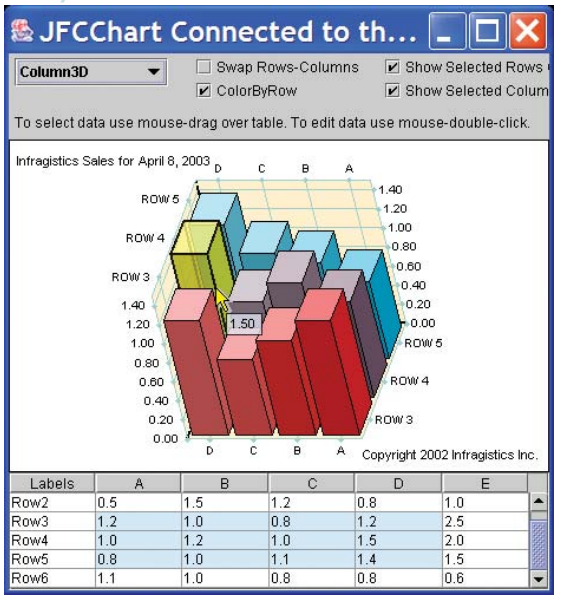


Charting featuring 3D Heat Map, 3D Column, 2D Stacked Column and 3D Pie

Built-in Intelligence

Advanced features help you create the best and most appropriate graphics possible. Our exclusive IntelliRend™ technology handles most of the tedious details in fine-tuning the rendering of your chart data, and saves you hours of coding. And our SecureImagePipe™ lets you securely send charting data from our Server chart to the client browser without fear of compromise. And our superior set of client-side APIs makes our Server charts as rich and interactive as client-based charting components.

JFC/SERVER



Labels	A	B	C	D	E
Row2	0.5	1.5	1.2	0.8	1.0
Row3	1.2	1.0	0.8	1.2	2.5
Row4	1.0	1.2	1.0	1.5	2.0
Row5	0.8	1.0	1.1	1.4	1.5
Row6	1.1	1.0	0.8	0.8	0.6

Easy to Use and Configure

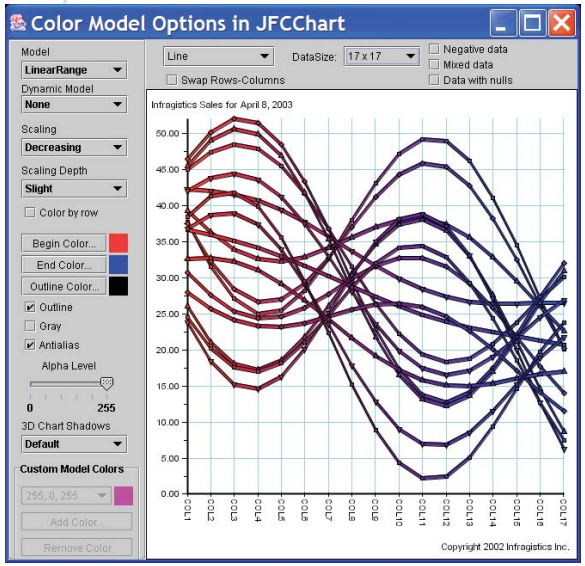
Our visual designers make it easy to configure and customize charts. Our exclusive IntelliRend technology makes it easy to apply data to the best chart type. And using the DataSource property, you can easily populate your chart from a variety of sources, including database or array. Internal filtering ensures that the data model supplied matches what is needed to render the chart type chosen, and allows the developer to manually exclude or include columns or rows for chart rendering.

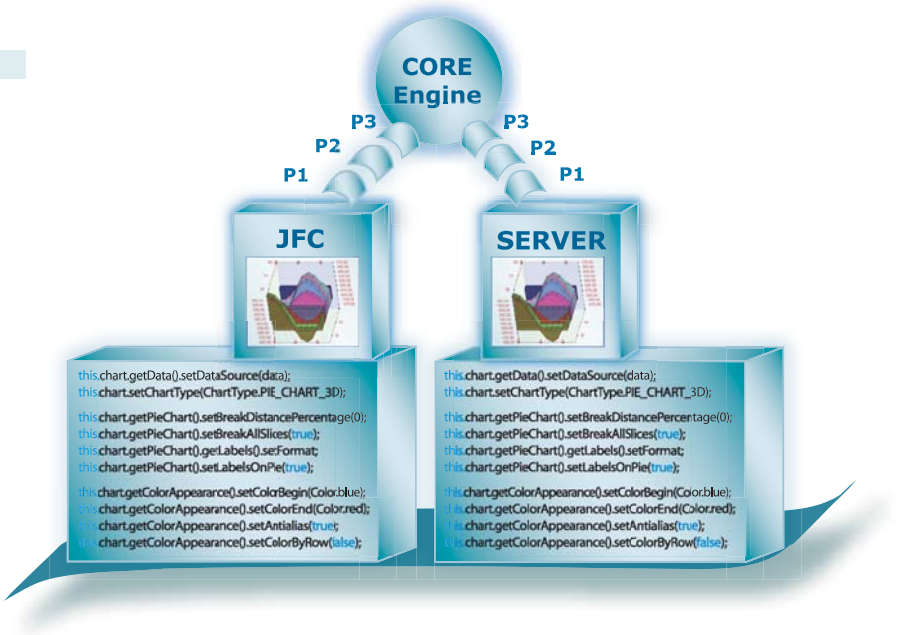
Interaction

Both the JFC chart and the Server chart provide the rich look and feel of a client-side control. The JFC chart features automatic highlighting of charted items on mouse events, and a rich set of integrated events track the user's interaction with the chart data.

Our Server chart was designed to deliver virtually the same rich client-side experience with thin-client delivery. A rich set of seamlessly integrated server-side events are provided to monitor the user's interaction with the chart data. Additionally, our Server chart provides pure JavaScript client-side events for chart data items. Our exclusive ActiveImage™ generates the scripts necessary for client and server-side event delegation, seamlessly and accurately. Now your server-based charting can have advanced interactive features such as drill-down tooltips!

JFC/SERVER





Our Charting Engine

The heart of our JFC and Server charts is our unique charting engine. A set of core classes provides common logic and functionality to both charts. This architecture provides leveraged learning and reusable code when porting applications from client/server to server-based architecture or vice versa. A large portion of the chart code can actually be copied and pasted between applications.

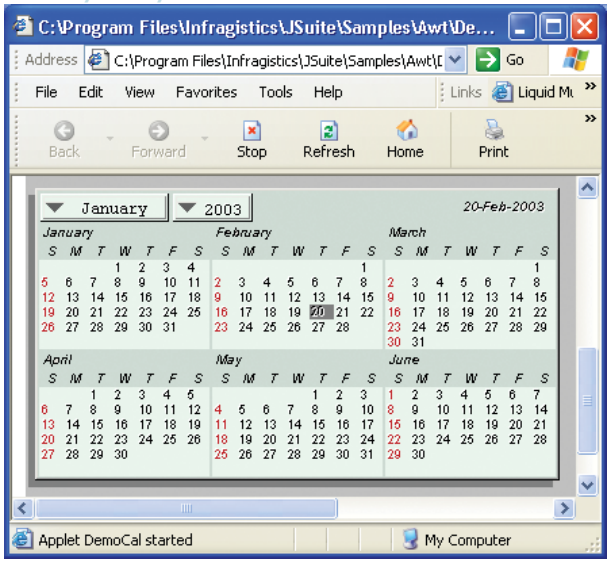
Scheduling and Calendaring

Deliver the look and feel of today's most sophisticated scheduling and calendaring applications with JSuite's AWT and JFC calendaring and scheduling components. Included are a calendar, dayview, weekview, month dayview, calendar dropdown, dropdown month/year selector – everything you need to create striking, interactive scheduling applications.

Calendar

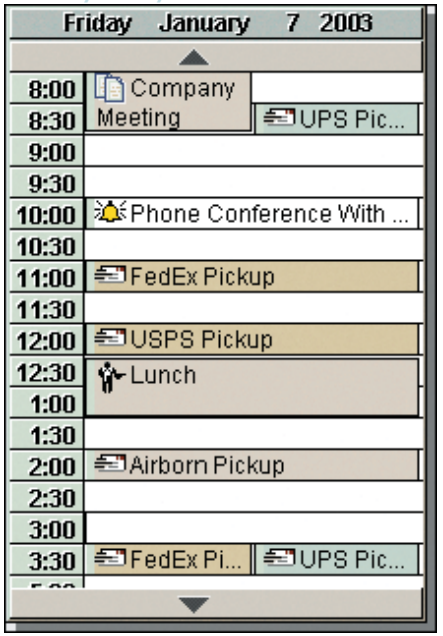
Our graphically rich calendar is available in one, three, six and twelve-month views, and can be automatically synchronized with our dayview control for appointment synchronization. An optional built-in dropdown date selector is included for easy visual date selection. Advanced features such as multi-line text as well as images in calendar day cells, multiple selection of dates, day scrollbar, tooltips and more make these components highly customizable. And for international applications, our calendar controls automatically handle localization of the date format.

AWT/JFC/JavaBean



Calendar featuring six month view

AWT/JFC/JavaBean



Dayview featuring multiple appointments and customizable images

Dayview

Create the perfect interface for your appointment-oriented applications. Attention to detail really shows in this control. A number of built-in features provide a rich user experience including optional dropdown calendar, appointment edit dialog, optional alarm dialog, and keyboard/mouse support for adding and editing appointments. Increment time slots by as little as one minute or as much as four hours.

Finite control of the dayview is built right in. A wide range of properties exist to allow you to create the specific look you want – including selected appointments, varying appearance by type of appointment, adding images, 3D and shadow effects, and more. And the dayview easily handles overlapping appointments and lets you visually drag, drop, expand and reduce an appointment. Deleting an appointment is as easy as selecting the appointment and using the delete key.

Dropdown Calendar

The JSuite dropdown calendar is designed to display and edit a text string that represents a date but additionally provides a dropdown calendar for convenient date selection. It extends the date editor component and automatically inherits its methods, properties and behavior.

The dropdown calendar can be used in any of the appropriate scheduling controls or in our table controls. Give your application's users the convenience of this common metaphor.

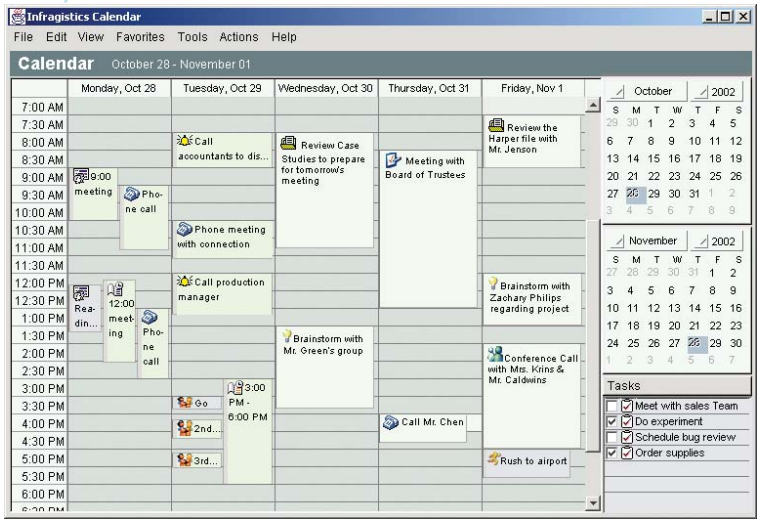
Month Dayview

This versatile control supports all the features of the calendar component, with the addition of a dropdown dayview. This makes it easy to create versatile appointment applications with a monthview as the main interface. Simply double click on any day in the monthview calendar and that day's appointment dayview pops up. And the control automatically synchronizes information between both views.

AWT/JFC/JavaBean

Month dayview featuring expanded dayview upon a date double click event

JFC/JavaBean



Weekview featuring multiple appointments, images in apppointments and dropdown calendar

Weekview

The JFC, JavaBean and AWT weekview controls provide an easy way to view an entire week's appointments at a single glance. Comprised of an array of days, a date editor, and a dropdown calendar, the weekview automatically synchronized all the shown days by the first time slot displayed, and by the selected row. You can use the left/right arrow keys to navigate between days, and the start date can be selected using the integrated dropdown calendar.

Scrollbars allow you to size the weekview beyond the visible window, and you can customize the weekview to display from one to fourteen days in one to seven rows. Each row is treated as a week. You can use any day of the week as the week start day, and you can share common references to appointments so that modification to the appointment in one day automatically changes the data in all common days.

Editing Components

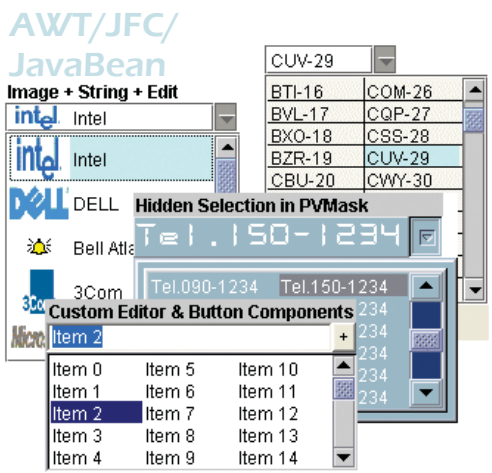
Control the look and integrity of your data by controlling how your data is input, saved, displayed and made available for clipboard operations using our complete toolset of advanced editing components.

Edit

The Infragistics edit component is designed to edit one line of a text string. It provides serialization support for TextListeners and ActionListeners.

Mask Edit

This component features masking for any character, numerics only, alpha characters only, alpha numeric (with/without space), alpha/spaces, auto-convert to uppercase/lowercase, and custom keyboard keypress filtering. Specify editing to insert, overwrite, or non-editable/read-only. Optionally exclude specific characters from keyboard entry, optionally require case specific text entry.



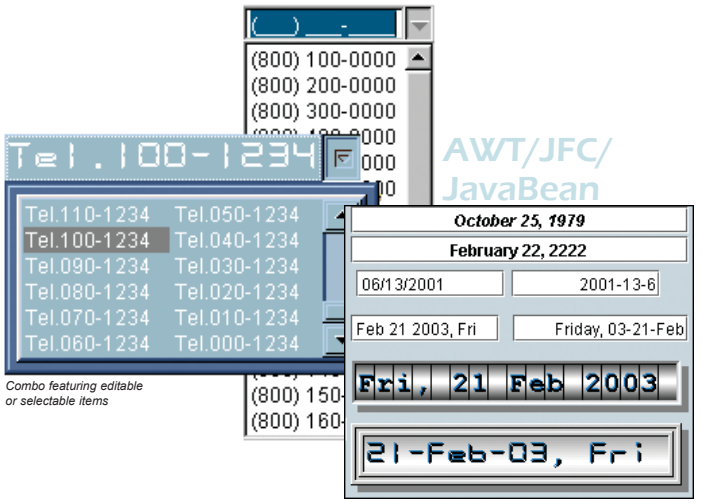
Choice featuring editable or selectable items

Choice

The Infragistics choice component is a combobox designed to provide a dropdown list of editable or selectable items, including both text and/or images. By default it will use the Infragistics edit control and Infragistics button component, but can be configured to use other editors.

Combo

The AWT, JavaBean and JFC combos provide a dropdown list of editable or selectable text items. By default it will use the JSuite edit control and JSuite button component, but can be configured to use other editors derived from the edit control (mask edit, date, time, currency, etc.).



Combo featuring editable or selectable items

Date Editor featuring an editable text string

Date Editor

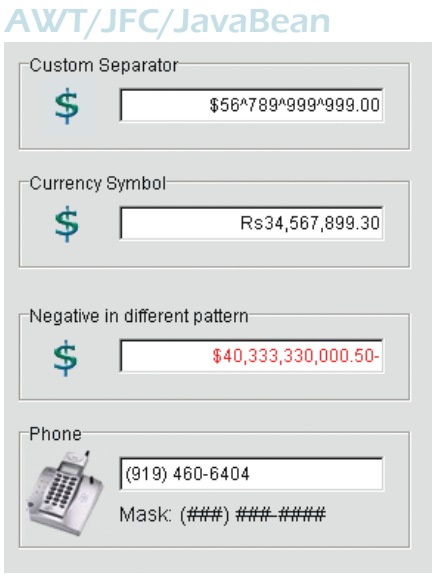
The JSuite date editor component is designed to display and edit a text string that represents a date, applying automatic field validation during keyboard processing. It inherits edit mode behavior, TextListeners, ActionListeners and painting styles from the Infragistics edit control.

Dropdown Calendar

The JSuite dropdown calendar component is designed to display and edit a text string that represents a date but additionally provides a dropdown calendar for convenient date selection. It extends the date editor component, (which extends the edit component) and automatically inherits all its methods, properties and behavior.

Currency

The Infragistics currency component extends the edit component, and is designed to display and edit a text string that represents a number with a currency-specific, non-editable symbol preceding or following the number.



Currency editor showing various customized display. Also shown: Mask edit control

Numeric

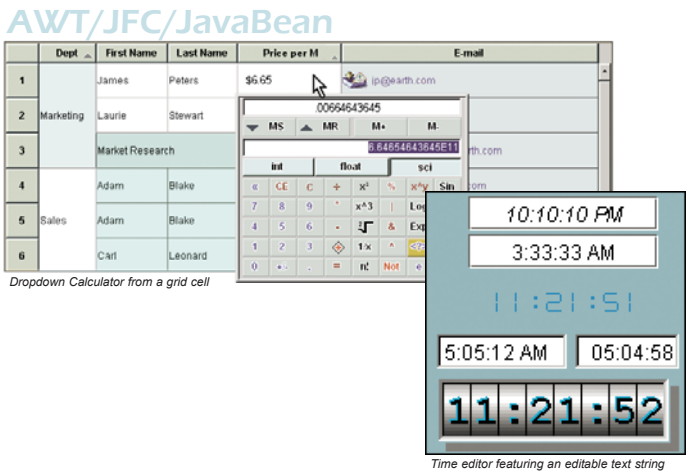
The Infragistics numeric editor is designed to display and edit numerical data. The numeric editor inherits edit mode behavior, TextListeners, ActionListeners and painting styles from the edit component.

Static Text

The StaticText component is designed to display a static text string.

Dropdown Calculator

Have a fully functional, programmable calculator drop down from any numeric field. The Infragistics dropdown calculator component is designed to display and edit a text string that represents a number and displays a dropdown calculator. It extends the numeric editor and automatically inherits all its methods, properties and behavior (see features of the edit and numeric controls).



Dropdown Calculator from a grid cell

Time editor featuring an editable text string

Password Editor

Add additional security to your system by utilizing our Password Editor. The password editor inherits edit mode behavior, TextListeners, ActionListeners and painting styles from the edit control. Hide actual user keyboard input by setting the EchoCharacter to display any specified alternate character. Limit the number of characters entered. Optionally disallow any characters in text except numeric input. Any of these behaviors can be used independently or in combination.

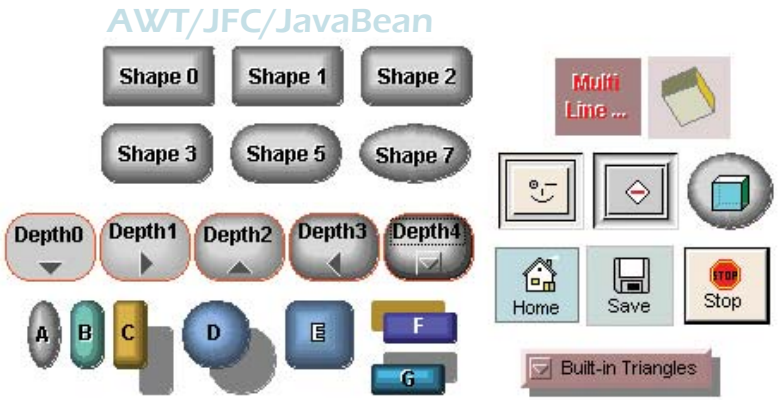
Time Editor

Insure your time entries are correctly formatted and displayed correctly for your locale setting. The Infragistics time editor component is designed to display and edit a text string that represents a time. The time editor inherits edit mode behavior, TextListeners, ActionListeners and painting styles from the edit control.

Other GUI Components

Button

Create serious or fun buttons for your applications, complete with serialization support for ActionListeners.



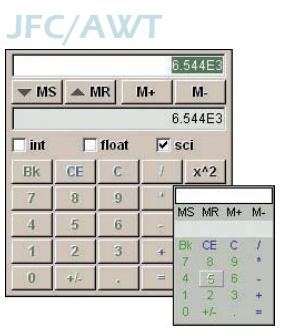
Buttons featuring flat, raised, pressed and round

Round Button

Creates appealing buttons with configurable rounded corners, and inherits behavior, action listeners, and painting styles from the Button.

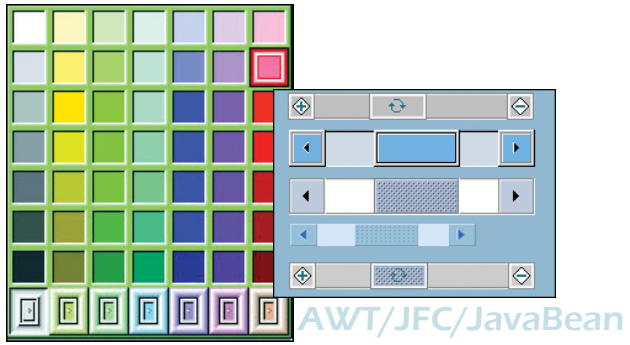
Calculator

The JSuite calculator component displays a calculator interface and performs mathematical operations, create your own custom calculators with industry specific calculations.



Colorpicker

The JSuite colorpicker features an optional dropdown color selection palette with a built-in color chooser dialog, and serialization support for ActionListeners.



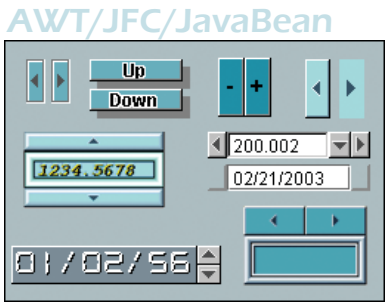
Colorpicker left, scrollbar right

Scrollbar

Add unusual and highly customizable scrollbars to your applications.

Spin and Spin Plus

The JSuite spin component is designed to generate spin events while a spin button is pressed, with serialization support for ActionListeners. Connect the spin component to any other editing component for spinner input for dates, numeric and more.

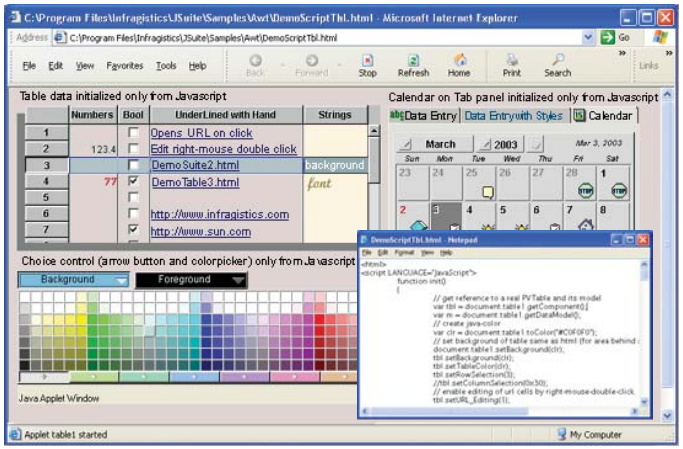


Spin featuring multiple views

Applet Wrappers (AWT Only)

We've supplied our AWT components with wrapper files for value-added convenience. Our AWT components can be utilized in a web page without writing any Java code at all. The wrappers allow you to manipulate the appearance and/or data associated with each component using JavaScript or VBScript, eliminating the need for JRE on the desktop.

AWT



Applet Wrappers featuring ScriptCalendar and ScriptTable

Wrappers include ScriptCalculator, ScriptCalendar, ScriptChart, ScriptChoice, ScriptColor, ScriptEdit, ScriptSpin, ScriptTable, ScriptTimer and ScriptTree. The superclass is Script and extends java.applet.Applet, with support for ActionListener and KeyListener events.

Each applet wrapper for our AWT java component is designed to be used as an applet tag within HTML. To create a particular instance of a component the "className" parameter can be used, and/or this class can be overridden and the component can be constructed using the Create method or explicitly.

JSuite's wrapper classes enable a web programmer to initialize a component through applet-parameters in Javascript or VBScript within an HTML page, without writing Java code at all. Various two-way conversions from strings to the Infragistics java objects provide access to get/set most properties of component.

Server Classes

Access Control List

Regulate permissions and levels of access based on roles assigned to your application/system user's logon. Each role consists of a set of one or more attributes. Using the ACL, a client finds the user name and corresponding role and check, for the proper authority before any functionality permitted. A client can further check whether a role has the required attributes.

Password Validation

Authenticate user ID and password against a directory server or database, with encryption. Easily add, delete or modify a user profile or manage existing profiles and passwords. Directory servers include Active Directory Server and Netscape (iPlanet) Directory Server.

Connection Pooling

Maintain a specified pool of connections at startup, eliminating the need for time-dependent "retry connection" code. When a client makes a call to connect, if a connection is available it is returned. If one is not available and the maximum connections are already in use, the component will keep trying until the specified time out is reached. If the maximum connections are not in use then a new connection will be created and added to the pool and returned.

	Selected Features	AWT	JavaBean	JFC
Grid	Grid	Provide data through JSuite's exclusive Data Models	X	X	X
		Finite control over function, appearance	X	X	X
		Intuitive visual designer for WYSIWYG design	X	X	X
		Multi-page printing with pre-print dialog	X	X	X
		Inherit from Java's JTable		X	X
		Robust in-cell editing using JSuite's embeddable editors	X	X	X
		Merged cell feature ideal for master/detail relationships	X	X	X
Navigation	Tree	Easy to use design time customizer	X	X	X
		Powerful searching and sorting	X	X	X
		Robust events supporting ActionListener	X	X	X
		Advanced image support	X	X	X
		Full drag and drop and sorting of nodes	X	X	X
	Tabs	Versatile tab design options including 7 tab shapes	X	X	
		Flexible appearances for colors, fonts, backgrounds, etc	X	X	
		Any tab can be disabled programmatically	X	X	
		Custom images can be rendered on a tab label	X	X	
		Easily visually distinguish active and inactive tabs	X	X	
Explorer UI	Explorer UI	Total synchronization between tree and table editing			X
		Highly customizable display options			X
		Expanded node images for selected node(s)			X
		Fully functional table provided as default for right pane			X
		Flexible selection behaviors			X
Gantt	Gantt	Automatically synchronize or de-couple tree and gantt			X
		Appearance properties allow maximum customization			X
		Easily expand or collapse gantt time frame via properties			X
		Hierarchical tree easily bound to data			X
Charting	Charting	Same advanced charting engine for JFC and Server chart	S*		X
		Wide variety of 2D and 3D chart types	S*		X
		Intelligent rendering (IntelliRend) dictates best type	S*		X
		Data bound and non-bound modes	S*		X
		Anti-aliasing, alpha-blending, transparency	S*		X
		Background images allow for watermark effect	S*		X
		Advanced color model makes for high definition	S*		X
		Innovative layered design			X
		Advanced client-side interaction (e.g. tooltips	S*		X

*Server Side Charting

For a FULL FEATURE SET, please see product information available on our website: www.infragistics.com

	Selected Features	AWT	JavaBean	JFC
Scheduling & Calendar	Calendar	Total control over look and feel, custom options	X	X	X
		Built-in dropdown month/year selector	X	X	X
		Automatic date formatting (default to locale setting)	X	X	X
		Flexible date selection, format	X	X	X
		Customize individual days or day types (e.g. Holidays)	X	X	X
		Single- and multi-day selection	X	X	X
	Date Editor	Highly flexible date formatting	X	X	X
		Customized date	X	X	X
		separator characters	X	X	X
		On the fly validation	X	X	X
		Versatile Month, Day of Week, and Day of Week format	X	X	X
	Dayview	Highly flexible date formatting	X	X	X
		Show plain or stretched image in an appointment	X	X	X
		Appointment time increments from 1 to 240 minutes	X	X	X
		Built-in appointment dialog to add or edit appointments	X	X	X
		Visually move, copy, resize or delete appointments	X	X	X
		Robust alarms and alarm dialog	X	X	X
		Timeslot appearances allow for different looks (e.g. working hours)	X	X	X
	Dropdown Calendar	Automatically drop down from dropdown button			
		Close on single or double click, lost focus, etc.	X	X	X
		Highly flexible customized display options	X	X	X
		Min/Max date validation	X	X	X
	MonthDayview	Combines calendar with embedded dropdown dayview	X	X	X
		Automatically synchronizes appointments with custom date strings	X	X	X
		Custom events for dayview dialog	X	X	X
	Time Editor	Highly flexible time formatting, automatically defaults to current locale setting	X	X	X
		Customized field separators other than letter, number or space character	X	X	X
		On the fly validation	X	X	X
		Robust event model optionally fires action events when time is incremented/decremented, etc.	X	X	X
		Time editor can use the date editor to get/set time	X	X	X
	Weekview	All days synchronized by first time slot displayed	X	X	X
		Includes array of days, a date editor, and dropdown calendar	X	X	X
		Display one to fourteen days in single or multiple rows	X	X	X
		Share references to appointments across multiple days	X	X	X
		Drag and drop appointments across days within a week	X	X	X

For a FULL FEATURE SET, please see product information available on our website: www.infragistics.com

Editors

	Selected Features	AWT	JavaBean	JFC
Edit	Serialization support for TextListeners and ActionListeners	X	X	X
Mask Edit	Display and edit a text string with entry validation specified by the mask	X	X	X
	Inherits edit mode behavior, TextListeners, ActionListeners and painting styles from the edit component	X	X	X
Choice	Provides a dropdown list of editable or selectable items	X	X	X
	Display any object in its dropdown list	X	X	X
	List navigation is automatic with mouse and keyboard actions	X	X	X
Combo	Dropdown list of editable or selectable text items	X	X	X
	Single/multi selection of items	X	X	X
	Automatic searching and sorting is built in	X	X	X
Date Editor	Display and edit a text string that represents a date	X	X	X
	Enable up/down arrow keys to increment/decrement a field, by a specified number of days per increment	X	X	X
Dropdown Calendar	Display and edit a text string that represents a date	X	X	X
	Provides a dropdown calendar for convenient date selection	X	X	X
	Can be used in the Infragistics table	X	X	X
Currency	Specify appearance settings for text such as font, size, alignment, styles, 3D effect, shadows and more	X	X	X
	Any standard currency format can be set	X	X	X
	Validation of a numeric on every key stroke or on lost focus	X	X	X
Numeric	Autoscrolling is built in as well as autoresizing on text entry that exceeds the control width	X	X	X
	Specify appearance settings	X	X	X
	Can be transparent, set as flat or choose from 9 styles	X	X	X
Static Text	Display a static text string	X	X	X
Dropdown Calculator	Extends the numeric editor and automatically inherits all its methods, properties and behavior	X	X	X
	Button click or DownArrow + Shift/Alt/Ctrl keys open the dropdown calculator	X	X	X
Password Editor	Hide actual user keyboard input by setting	X	X	X
	Optionally disallow any characters in text except numeric input	X	X	X
Time Editor	Initialize the displayed date to current time	X	X	X
	Specify any character that is not a letter, number or a space character	X	X	X
	Validation of a time field on every key stroke or on lost focus	X	X	X

JSuite Gold Edition (Annual)

The JSuite Gold Edition is a comprehensive package of product and support for the corporate developer. In addition to all Standard Service features, the JSuite Gold Edition includes source code and guarantees the highest level of support.

Standard Service

Registered users of Infragistics products with valid licenses are entitled to Standard Support which includes access to the online Knowledge Base, no-charge direct technical support via telephone or Web Support Form for 30 days from date of your first support incident, for the specific licensed copy of the product purchased, access to the Peer-to-Peer Newsgroups and hot fixes available from the Infragistics web site.

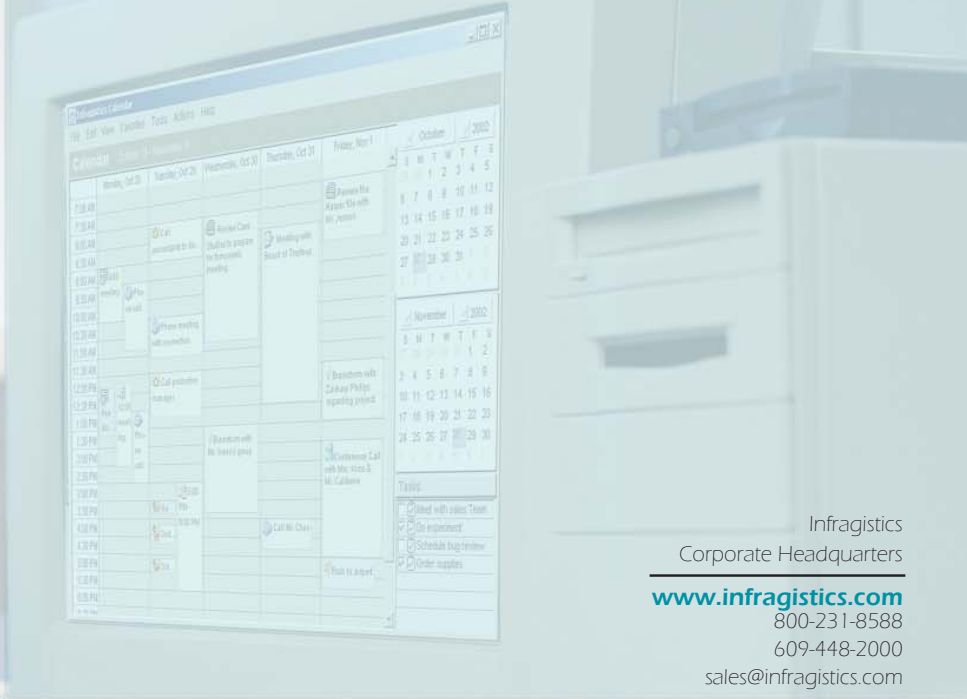
Java Source Code

Source code for Infragistics Java components is included with your purchase of the JSuite Gold Edition, providing much more than the peace of mind you have always wanted when using components. It ensures the life of your application, provides maximum code flexibility, and can be a great learning tool.

Gold Edition Rapid Response Support

When you purchase JSuite Gold Edition, your support request will be routed directly to our priority level support box, automatically. Your Gold Edition purchase entitles your support submission to automatic rapid response for the period of one year, renewable annually. The Priority Support Technical Team responds during standard business hours, and guarantees same business day response to a request received by 1 p.m. EST. For support requests received after 1 p.m. EST, a response will be returned by 1 p.m. the next business day. Priority support requested via phone is given priority placement at the head of the phone queue, and is handled before all standard support calls. A response may be a technical solution, or in the case of a larger problem, an acknowledgment with a status report.

Our support center hours are standard business hours (Monday-Friday, 9 a.m.-5 p.m. EST, except holidays).



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