



Non-Invasive Integration

Most organizations have a variety of Windows client/server and web applications that support critical business functions. Whether developed in-house or purchased as packaged applications, these systems often lack APIs to easily access the underlying business logic. This lack of an API typically means that these client/server or web applications are unable to participate within the context of a Service Oriented Architecture (SOA), and are not easily modified to improve process flows for the user. Additionally, these applications cannot participate in an Event Driven Architecture (EDA), where it is desired to capture, and respond to, business events occurring in realtime on the underlying applications.

Jacada® WinFuse allows Windows and web-based applications to be “service enabled” – that is, any and all functionality contained within an existing Windows or web application can be exposed as open standard Web services. This is accomplished without requiring any modification of the application, and no access to the source code is required. The process of service enablement is completely non-invasive, allowing for a rapid implementation cycle with minimal risk. Even better, the resulting transactions can be used:

- To integrate the Windows or web application with a new user interface or system
- At the desktop to assist users in navigation of the application
- At the desktop to capture data and trigger events for other desktop tasks based on user navigation and actions

DEVELOPMENT

The Jacada WinFuse development environment provides a state of the art IDE. The development environment provides a straight forward and intuitive way to encapsulate a series of interactions from a Windows or web application, and turn those interactions into a Web service.

Jacada WinFuse automatically captures any series of user interactions including:

- Launching the application
- Navigating screens
- Entering or retrieving data
- Performing selections (i.e. radio buttons check boxes, combo boxes, etc.)
- Pressing push buttons



The basic steps to enable a developer to quickly capture a series of interactions and generate a Web service are:

- Navigate the Windows application
- Define the input and output fields
- Add any additional logic to the script (optional)
- Generate the Web service

SUPPORTED ENVIRONMENTS

Jacada WinFuse can leverage applications built with popular Windows client/server or web environments including:

- Visual Basic/ActiveX
- .NET
- PowerBuilder
- MFC
- Delphi
- Smalltalk
- Java
- Citrix
- Oracle Forms

ADVANCED FEATURES

Jacada WinFuse provides the advanced features that are required for true enterprise-scale deployment including:

- Session management
- Security and single sign-on
- Performance and scalability
- Administration through the Fusion Management Console

Jacada WinFuse is simply the safest and fastest way to move your library of Windows client/server or web applications into the modern world of SOA.

Whether it's a custom in-house developed application, or an off-the-shelf package, Jacada WinFuse is your path to rapid, risk free integration.

Utilizing Jacada WinFuse, the resulting transactions can be deployed on the server for providing a true thin-client interface, or can be deployed on the desktop for providing simplified processes and automatic navigation on the desktop. Specifically, integration processes developed with Jacada WinFuse can be deployed in three ways:

- **Service Enabling** – To build composite applications from existing Windows or web applications, you must expose the business logic and data in the application as callable Web services. Jacada WinFuse can be deployed in a server configuration, where the existing Windows or web application that was previously resident on the desktop is now “pushed back” to a server. In this configuration, the application no longer resides on the desktop, and is instead, accessed on a server through open standard Web services. The Web services can then be invoked from another application, or can be used, for example, to build a “single view of the customer” in a new composite application, such as Jacada WorkSpace.
- **Desktop Automation** – Sometimes the business problem calls for automation of redundant tasks at the desktop. Jacada WinFuse can be deployed in a desktop configuration, where the target Windows or web applications remain on the desktop. In this configuration, the transaction that has been service-enabled is executed on the desktop. Jacada WinFuse then automates the navigation of the applications for the user, and/or ‘listens’ for predefined events. For example, Desktop Automation can be used to automatically launch a certain application and navigate to a certain screen, and then prefill data on that screen that might have been retrieved from another desktop application.
- **Event Publishing** – Jacada WinFuse can enable existing Windows and web applications to participate within the context of an Event Driven Architecture. Events of interest can be defined on the underlying desktop application, and these events will be published in real-time as they occur, based on the user’s interaction with the application.

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