CA Plex

At a Glance

CA Plex helps organizations improve the productivity of their developers by providing a single, integrated environment for faster, more efficient application development. It uses predefined yet customizable building blocks called "patterns" to help developers more easily create and maintain large-scale business applications for multiple platforms, including Windows/.NET/Azure, Java/J2EE or the IBM Power Systems/IBM i. CA Plex helps developers make use of emerging technologies to increase productivity and deliver more cost-effective, higher-quality applications designed to meet the demands of the business.

Key Benefits/Results

- **Simplified .NET Client migration.** ActiveX control support simplifies C++ to .NET Client migration.
- **.NET Client localization support.** Generate and build externalized localized resources for each language.
- **Testing tool support.** Helps QA automation efforts.
- **"End-to-End" Bookshelf.** Access a variety of documentation and valuable resources.

Key Features

- **Model-driven development.** Systems are designed with business requirements in mind.
- **Patterns.** Widely recognized as a critical technique for improving the software development process.
- **Dynamic inheritance and customization.** Changes to patterns are applied throughout an entire model.
- **Code generators.** RPG III/IV, Java, C++, C# Server, with options for .NET Client and EJB support.
- **Industry standard database support.** Extensive DB support, including SQL Server, Oracle and DB2 for i.
- **Web client development and Service-Oriented Architectures (SOA).** Patterns available for AJAX/RIA systems and SOAP/XML components.
- **Configuration management.** Versioning facilities allow the repository to track changes over time.
- **Application integration.** Integrates with CA Technologies and third-party tools.

Business Challenges

Today, core business applications are increasingly critical to the success of the business. However, developing and maintaining them on disparate and multiple platforms can be challenging. These business systems must support an organization's core business strategy and they must be flexible to adapt to change. These requirements can be difficult, especially when mergers, acquisitions and partnerships require that key data integrate across multiple platforms and computing environments.

Service-Oriented Architectures (SOA) help address many of these issues, but organizations struggle to take advantage of emerging technologies while meeting ongoing demands for increased productivity and improved quality at reduced costs. Implementing entirely new development projects, providing additional training for existing development teams or finding additional resources can be disruptive and expensive. To compound the problem, poorly planned development projects lead to inefficiencies and failures that can drain IT budgets quickly.
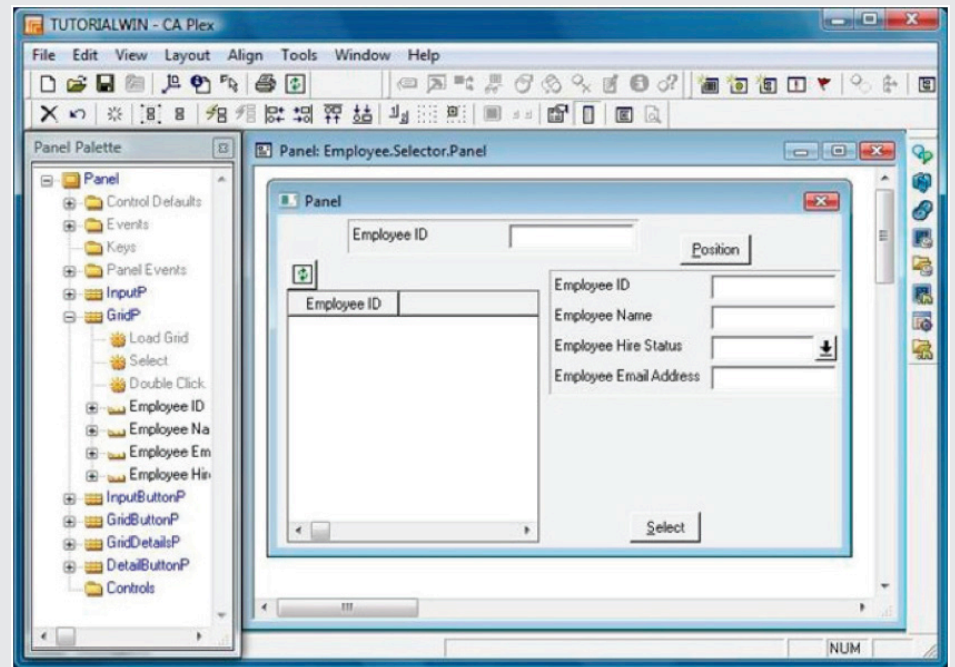
Solution Overview

CA Plex is a leading ARAD (Architected Rapid Application Development) tool that provides models, templates and generators. It helps organizations increase application development efficiencies by providing a Windows-based visual IDE (Integrated Development Environment) with GUI (Graphical User Interface) screen designers, a platform-neutral action language editor, a diagrammer and impact analysis tools. CA Plex has a multiple developer repository with built-in configuration management for storing design models across multiple versions, languages and platforms. It generates 100% of the required native code with HTML and GUI clients, 5250 host screens, server programs and database objects. Using the integrated modeling environment of CA Plex, organizations can leverage a development methodology designed to be more easily understood by both business and technical staff.

Critical Differentiators

CA Plex is an ARAD tool that supports a wide range of platforms including Windows/.NET/Azure, IBM i, Java/J2EE. It is designed to help organizations accelerate application development, which can lead to shorter project completion time and associated cost savings. CA Plex helps provide a clear yet flexible modernization path for System i development teams, allowing the extension of systems to new environments without reinventing the wheel. This model-based approach and pattern-driven development techniques help provide organizations with important tools to more easily modernize legacy System i applications across platforms, to the web and to SOA using existing skills. In addition, CA Plex developers not only bring technical expertise to the organization, but also are often considered business architects who contribute directly to the bottom line.

Panel Designer - Through a WYSIWYG panel designer, you can customize the screen layouts of the application.

Related Products/Solutions

CA Application Performance Management helps to effectively manage performance and availability of CA Plex applications in production.

Supported Environments

- Microsoft Windows

- Java/J2EE

- IBM i

For more information, please visit **ca.com/plex**