CA Plex r7.0

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 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 allows developers to make use of emerging technologies. As a result, their productivity increases, and their organization is able to deliver cost effective, high quality applications that meet the demands of the business.

Key benefits/results

Accelerated development. CA Plex patterns are incorporated into application designs simply by dragging and dropping.

Technology insulation. CA Plex generates 100% of the code required for applications including client, server and database objects.

Simplified application maintenance. Changes to applications are simply made in the design model.

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.

Web client development and 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

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

Service-Oriented Architectures (SOA) help address many of these issues, but the ability of organizations to take advantage of emerging technologies while meeting ongoing demands for increased productivity and improved quality at reduced costs continue to be a challenge. 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 could drain IT budgets quickly.
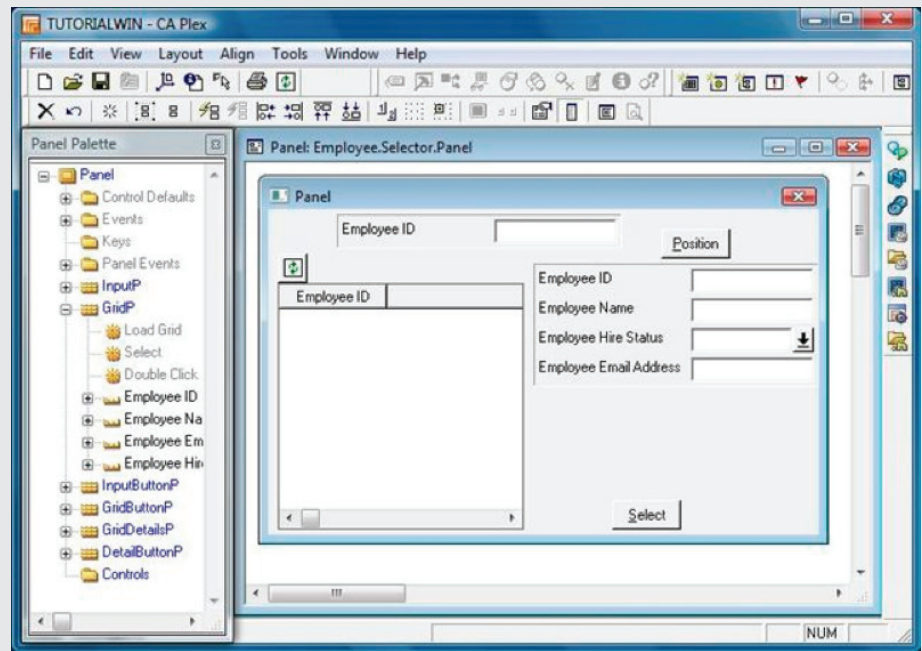
Solution overview

CA Plex is a leading Architected Rapid Application Development (ARAD) tool that provides models, templates and generators. It helps organizations increase application development efficiencies by providing a Windows-based visual IDE with GUI screen designers, platform-neutral action language editor, 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. With the integrated modeling environment of CA Plex, organizations can leverage a development methodology that can be 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, IBMi, Java/J2EE. This helps organizations to accelerate application development, which leads 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 the tools they need to 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, they are oftentimes 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 Introscope® helps to effectively manage performance and availability of CA Plex applications in production.

Supportive environment

- Microsoft Windows
- Java/J2EE
- IBM i

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

Agility Made Possible: the CA Technologies advantage

CA Plex helps automate application development processes and projects. As a result, coding errors and constant application changes decrease and developer productivity increases. Organizations can derive immediate ROI using CA Plex's pattern-driven approach, reducing the time and costs involved with various phases of the development lifecycle. CA Plex delivers a high standard of excellence for IBM i, J2EE and .NET development using a single set of developer skills.

CA Plex is supported by worldwide customer support, and an ecosystem of expert partners around the world who can assist with services and education. In addition, a large and active CA 2E user community helps connect users globally day in and day out.