

CA Live API Creator



At a Glance

CA Live API Creator is a comprehensive API creation and execution platform that provides the core functionality needed for a complete application backend—data integration, application logic and enterprise-class REST/JSON APIs. The solution joins diverse back end data sources and creates new data sources, all using a point-and-click approach. API owners can build or extend APIs with declarative business rules using Reactive Logic, direct JavaScript® event coding, role-based security and interactive testing.

The CA Live API Creator platform yields systems that are highly scalable, reliable, efficient and more robust than services manually written using simple coding frameworks.

Key Benefits/Results

- **Time to market:** 10 times improvement over coding
- **Reactive Logic:** 40 times more concise than code
- **Rapidly expose data sources:** RDBMS, NoSQL, existing APIs, Salesforce, SAP, HBase
- **Security:** Enforces fine-grained data access control

Key Features

CA Live API Creator addresses diverse requirements for rapid development of APIs and application back ends:

- Point-and-click exposure of custom REST APIs integrating SQL, NoSQL, Salesforce and API resources with uniform business logic
- Create new managed data sources and app-centric data models for standalone microservices
- Enable a code-first approach with JavaScript, Java™ and built-in developer tools
- Reactive Logic business rules provide an order of magnitude productivity improvement over traditional approaches

Uses modern, yet simple architecture and tech stack:

- Code in JavaScript with access to Java™ libraries
- Deploy and scale on premises or in the cloud as Java application or Docker container
- Integrate with existing APIM and DevOps tools through UI, API, CLI or SDK

Includes Data Explorer:

- Instantly create and explore multitable, multiscreen applications with no DB skills

Business Challenges

In the application economy, enterprises require APIs for mobile apps, integration and partner connectivity. But they generally rely on costly, manual processes to create APIs from hand-coded business logic and SQL calls. Enterprises need to develop API-based apps faster, unlocking stagnant value from data stores and legacy applications.

Application development is being driven toward DevOps processes and microservices architectures that break monolithic applications into logical components that can be continuously developed and deployed for new projects.

And finally, big data and the Internet of Things (IoT) are driving an explosion of data that needs to be collected, selectively exposed and monetized to create new business models.

As it embraces digital transformation, today's enterprise needs to address all these challenges to move forward.

Solution Overview

With CA Live API Creator, you can rapidly create application back ends for internal applications, mobile dev projects, standalone microservices, data as a service, IoT enablement and partner integration. In minutes rather than months, the solution allows for the decomposition of large applications into self-contained units with everything necessary for app delivery—data integration, business logic and a robust API layer.

A flexible platform that supports multiple application and API development methodologies, CA Live API Creator meets the diverse needs of a modern digital business. Whether top-down or bottom-up, app-centric or data-centric, automated or code-first, legacy databases or new managed data sources, the solution provides the power and control that drives the API economy. CA Live API Creator works seamlessly with API management solutions to enable an end-to-end API lifecycle including creation, management, security, discovery and consumption.

Solution Components

CA Live API Creator dramatically reduces API creation and orchestration time/cost, supports diverse API development patterns and drives web, mobile and composite apps. The solution consists of three components:

- API Creator allows API owners to easily create APIs from new or existing data models.
- API Server exposes enterprise-class APIs that apply Reactive Logic rules across diverse data sources.
- Data Explorer allows business users to design new applications and manage exposed data.

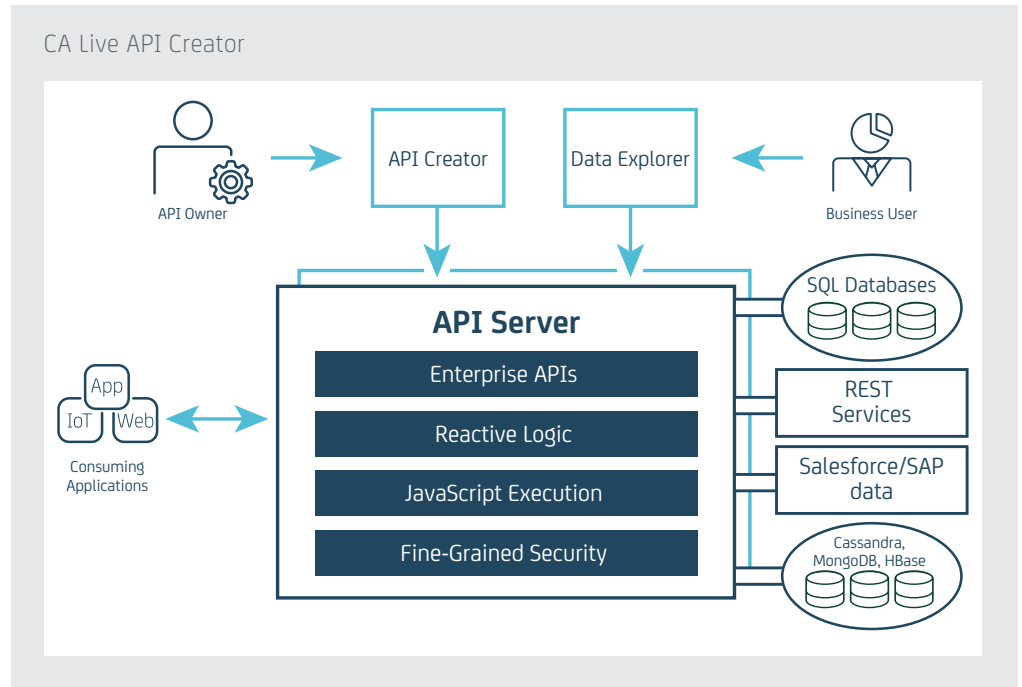
Critical Differentiators

CA Live API Creator is an incredibly fast way to create enterprise-class APIs from existing or new data sources. Out-of-the-box features include pagination, optimistic locking, filtering, sorting, nesting and back-end optimization. It allows point-and-click joins across SQL, NoSQL and REST services, and is ready for enterprise deployment (cloud, on-premises or hybrid).

CA Live API Creator makes business policy enforcement easy with a server-side object model, declarative Reactive Logic, a flexible JavaScript execution environment, declarative role- and user-based security and API visualization and testing.

Data Explorer allows for an unprecedented level of business user involvement, without requiring deep database knowledge. It also provides instant feedback to all involved parties, resulting in much quicker application iterations.

For more information, please visit ca.com/createapis



Related Products/Solutions

- **CA API Management SaaS:** Complete API Management solution in a SaaS model
- **CA API Gateway/Mobile API Gateway:** Centrally manages the security and enforcement of exposed APIs
- **CA API Developer Portal:** Manages the business-level exposure and developer adoption of APIs
- **CA Mobile App Services:** Provides essential services for mobile app development, exposed as predefined APIs and SDKs

Supported Environments

- Deploy near your data or create new managed data sources
- WAR deployment to Tomcat, Oracle, WebLogic, IBM WebSphere®, JBoss/WildFly, or Jetty
- Cloud deployment on Amazon or AZURE™
- Easy deployment via Docker container

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate—across mobile, private and public cloud, distributed and mainframe environments. Learn more at ca.com.