

CA Live API Creator



At a Glance

CA Live API Creator creates application back-ends exposing enterprise-class REST/JSON APIs, including access to existing data and applications. It enables developers to create new REST endpoints that join data across diverse data sources using a point-and-click approach. API owners can extend the API with declarative business rules, JavaScript event processing, role-based security and interactive testing.

The CA Live API Creator Reactive Logic model yields systems that are highly scalable and reliable. Its optimized services run more efficiently and with less fragility than services manually coded by skilled developers and architects.

Key Benefits/Results

- **Time To Market:** Ten times improvement over coding
- **Reactive Logic:** Forty times more concise than code
- **Rapidly expose data sources:** RDBMS, NoSQL, existing APIs, JSON
- **Security:** Enforces fine-grained data access control

Key Features

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

- Point and click exposure of REST APIs integrates SQL, NoSQL and external API resources
- Custom APIs combines multiple data sources with uniform business logic
- Supports JavaScript validation and derivation rules
- Reactive programming model to business rules, provides order of magnitude productivity improvement over traditional approaches

Uses modern yet simple architecture and tech stack:

- Use Java™ and JavaScript
- On-premises or cloud deployment options are available
- Easy API-based integration with APIM requires no technology dependencies

Includes Data Explorer:

- Instantly create multi-table, multi-screen back office data maintenance apps
- This solution includes built-in master/detail, updateable grids and lookups

Business Challenges

Today customers use costly manual processes to create APIs from hand-coded business logic and SQL calls before they can be managed by API Management solutions. Because of the competitive pressures rising from the application economy, however, 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 IoT are driving the explosion of data that needs to be collected, selectively exposed and monetized to create new business models.

Today's enterprise, as it embraces digital transformation, needs to address all three of these challenges to move forward.

Solution Overview

CA Live API Creator enables business users to create APIs from legacy and modern data sources and apps, significantly removing cost and time from development processes through automation and business logic enforcement. It also enables companies that have embraced API Management to expand the scope of their API lifecycle beyond management and enforcement in existing gateway and portal offerings towards the creation of APIs closer to the data layer.

CA Live API Creator enables rapid creation of application back-ends for internal applications, mobile development projects, data-as-a-service exposure, IoT enablement and partner integration. It allows the decomposition of large applications into self-contained units containing everything necessary for app delivery: data integration, business logic, and a robust API interaction layer. And it does all this in minutes rather than months.

Solution Components

CA Live API Creator dramatically reduces manual API creation and orchestration time/cost, facilitates more APIs faster and drives data-driven web, mobile and composite apps. CA Live API Creator consists of three components:

- API Creator allows API Owners to easily create APIs based on existing legacy data
- API Server exposes enterprise-class APIs that apply Reactive Logic rules across diverse data sources
- Data Explorer allows business users to explore and manage exposed data

Critical Differentiators

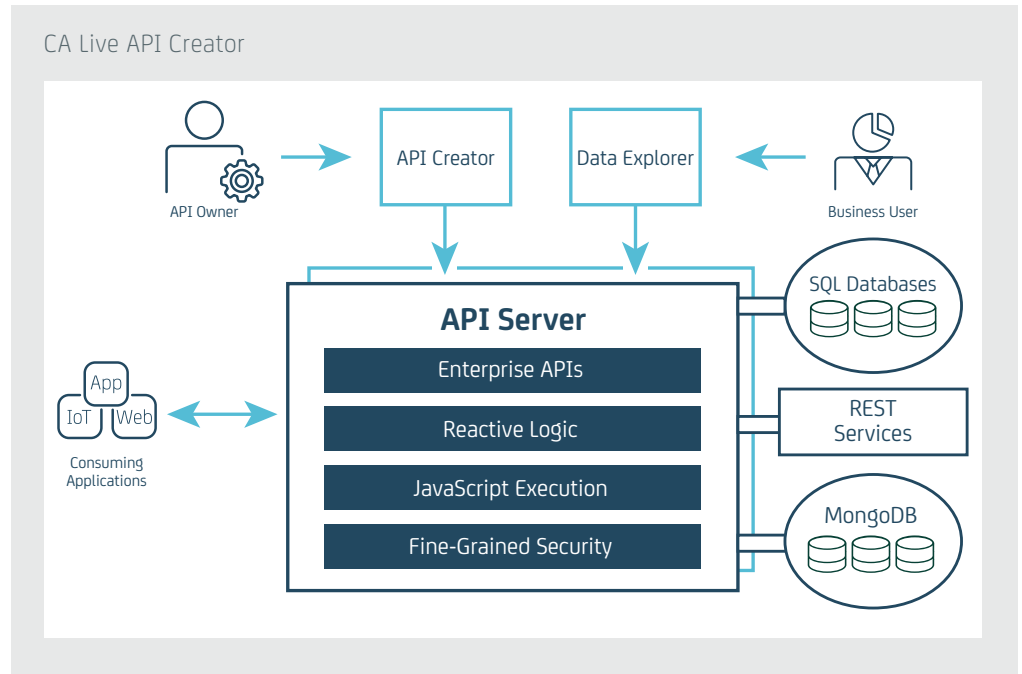
CA Live API Creator is an incredibly fast way to create enterprise-class APIs from your data. Out-of-the-box features including pagination, optimistic locking, filtering, sorting, nesting and backend optimization. It allows point and click joins across SQL, NoSQL and REST services and is ready for enterprise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

CA Live API Creator has implemented business policy enforcement made easy, with a server-side object model, declarative reactive rules, a flexible JavaScript execution environment, declarative role and row/column level security and API visualization and testing.

Other CA Live API Creator use cases include:

- Allowing the enterprise to continue on their digital transformation journey, more easily integrating and mobilizing their resources
- Partnership opportunities based on reuse of data and application resources
- Expanding existing business models by monetizing valuable enterprise data

For more information, please visit ca.com/api



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:** Manage the business-level exposure and developer adoption of APIs

Supported Environments

- Deploy near your data
- WAR deployment to various app servers
- Cloud deployment on Amazon or AZURE™

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