CA API Developer Portal

At A Glance

CA API Developer Portal accommodates internal API initiatives to empower in-house developers. It can also act as the cornerstone of external API initiatives (partner access, cloud integration, mobile enablement, etc.). By eliminating the need to deploy multiple solutions from multiple vendors, CA API Developer Portal can greatly reduce technology acquisition costs, infrastructure requirements and maintenance overhead. What's more, the portal can be implemented on premises or in the cloud.

KEY BENEFITS

- **Increased revenue.** Expands market reach to emerging platforms and more mobile devices for monetizing APIs.
- **Decreased costs.** Reduces technology costs and increases efficiencies.
- **Improved customer satisfaction.** Allows your customers and partners to interact with your organization from their device of choice.

KEY FEATURES

- Addresses the requirements of each stakeholder in an API purchasing cycle (enterprise architect, security architect, development manager, and business manager).
- Provides partner, developer, mobile and cloud access with a single product.
- Allows each business unit in an organization to publish and manage its own APIs in a single, central portal.
- Automatically creates interactive documentation from industry-standard WADL and Swagger files.
- Supports both external and internal developer groups.
- Available on-premises or in the cloud.
- Can be deployed in the cloud to manage on-premises CA API Gateway deployments.
- Supports SSO.
- API owners or developers can now select multi-policy templates directly in CA API Developer Portal without knowing anything about CA API Gateway.

Business Challenges

Opening on-premises data and applications to third parties via APIs raises serious security concerns. API publishing also faces scalability and manageability challenges, driven by adoption growth and the need to adapt data for consumption by an ever-expanding range of constituents.

Managing third-party and internal developers raises another issue. The enterprise must engage, enroll, educate and manage developers who aren't bound to programming standards, specific coding languages or even security protocols. Implementing a solution that eases onboarding and provides a single, central point from which to communicate and manage all stakeholders can be a difficult task, as can providing the appropriate educational resources that can be easily managed.

Solution Overview

CA API Developer Portal lets enterprises empower developers to build mobile, web and other applications that support individual business unit goals, extend overall market reach and grow revenue. Enterprises can supply developers with the tools they need to create apps that generate real value, at a lower cost than traditional design-time solutions.

CA API Developer Portal uses a containerized architecture that supports the environments where your apps and APIs reside. Portal components are deployed within Docker containers, making it easier to swap/replace containers as new functionality rolls out. Regardless of where you deploy, the solution uses the same interface to manage/deploy your APIs and to manage your developers.

An API-first approach to development boosts flexibility in how APIs are managed and how supporting technologies can be integrated. Core API management functionality, such as API provisioning, can be accessed programmatically through APIs, improving administrative and DevOps efficiency while supporting those organizations striving for full IT automation. By taking an API-first architecture approach, CA API Developer Portal can also leverage existing technology investments such as CMS and analytics capabilities out of the gate. Future plans include support for a broad ecosystem of API technology vendors.

Feature/Function	Benefit
User and organization creation	• Provide self-service or gated registration. • Allow registered developers to enroll their colleagues under their organization. • Enable developers to select a plan and be automatically provisioned for a bundle of APIs. • Assign different roles in different API portal organizations using a portal API.
Third-party developer registration	• Allow external developers to access APIs that have been published and authorized for their use.
Operational analytics	• Measure API usage to understand which ones to invest in. • Measure application usage to discover which developers are valuable. • Measure latency to track SLA adherence.
Secure API publication	• Enable secure APIs for appropriate level of access to apps. • Associate APIs with specific organizations. • Use APIs securely from different organizations.
Account plans	• Define quotas, rate limits and APIs per tier, enabling coarse-grained controls per organization.
Application creation	• Automatically generate client-side code in popular programming languages, including Curl, Java™, JavaScript, node.js, Objective C, PHP, Python and Ruby.
API explorer/interactive doc	• Allow developers to query and view responses from live APIs to better understand how to program against them.
API catalog	• Automatically generate API catalog entries with all published APIs so developers can understand what APIs are available to include in their apps.
Captcha and honeypots	• Use built-in APIs for Captcha and honeypots.
SSO support	• Integrate with enterprise IAM for SSO.
Non-prod –> prod migration	• Easily migrate your environment from non-production to production with built-in tools.
Custom fields	• Create custom metadata for APIs and API keys that can be referenced programmatically at runtime.
Application governance	• Govern changes to applications.
API–enabled	• Use programmatic access to the portal to integrate with your existing development tooling.
Metrics API	• Export APIM data to your existing data/BI tooling.
Swagger support	• Automatically create industry-standard Swagger files for interactive documentation.

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