

CA API Developer Portal



At a Glance

APIs are becoming ubiquitous as enterprises increasingly need to open up to mobile devices, cloud-based services, partners and third-party developers. CA API Developer Portal provides a single solution that can not only accommodate internal API initiatives to empower in-house developers but 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 and be implemented on premises or in the cloud.

Key Benefits/Results

- **Increased revenues.** 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).
- Addresses partner, developer, mobile and cloud access with a single product.
- Allows each business unit in an organization to publish and manage its own APIs on 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 pick 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. Opening on-premises data and applications to third parties via APIs raises a range of serious security concerns. Additionally, API publishing creates challenges around ensuring scalability and manageability as adoption and adapting data for consumption by a range of constituents grows.

Developer management. Managing third-party and internal developers also creates a management issue. The enterprise must engage, enroll, educate and manage developers that 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 by the enterprise.

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 revenues. The solution allows enterprises to 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.

CA API Developer Portal also uses an API-first approach to development, improving its flexibility in both 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	<ul style="list-style-type: none"> ▪ 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. ▪ Using a portal API, you can assign different roles in different API portal organizations.
Third-party developer registration	<ul style="list-style-type: none"> ▪ Allow external developers to access APIs that have been published and authorized for their use.
Operational analytics	<ul style="list-style-type: none"> ▪ Measure API usage to understand which ones to invest in. ▪ Measure application usage to understand which developers are valuable. ▪ Measure latency to track SLA adherence.
Secure API publication	<ul style="list-style-type: none"> ▪ Enable secure APIs for appropriate level of access to apps. ▪ Associate APIs with specific organizations and use APIs securely from different organizations.
Account plans	<ul style="list-style-type: none"> ▪ Define quotas, rate limits and APIs per tier, allowing you to impose coarse-grained controls per organization.
Application creation	<ul style="list-style-type: none"> ▪ Automatically generate client-side code in most popular programming languages, including Curl, Java™, JavaScript, node.js, Objective C, PHP, Python, and Ruby.
API explorer/interactive doc	<ul style="list-style-type: none"> ▪ Allows developers to query and view responses from live APIs to better understand how to program against them.
API catalog	<ul style="list-style-type: none"> ▪ 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	<ul style="list-style-type: none"> ▪ Built-in APIs for “Completely Automated Public Turing Test to Tell Computers and Humans Apart” (Captcha) and honeypots.
SSO support	<ul style="list-style-type: none"> ▪ Integrate with enterprise IAM for SSO.
Non-prod -> prod migration	<ul style="list-style-type: none"> ▪ Built-in tools to allow you to easily migrate your environment from non-production to production.
Custom fields	<ul style="list-style-type: none"> ▪ Create custom metadata for APIs and API keys that can be referenced programmatically at runtime.
Application governance	<ul style="list-style-type: none"> ▪ Govern changes to applications.
API-enabled	<ul style="list-style-type: none"> ▪ Programmatic access to the Portal allows integration with your existing development tooling.
Metrics API	<ul style="list-style-type: none"> ▪ Export APIM data to your existing data/BI tooling.
Swagger support	<ul style="list-style-type: none"> ▪ Automatically creates industry-standard Swagger files for interactive documentation.

For more information, please visit ca.com/api

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