

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. The CA API Developer Portal provides a single solution that can accommodate internal API initiatives empowering in-house developers, and act as the cornerstone of external API initiatives (partner access, cloud integration, mobile enablement etc.). Removing the need to deploy multiple solutions from multiple vendors, the CA API Developer Portal can greatly reduce technology acquisition costs, infrastructure requirements and maintenance overhead.

Key Benefits/Results

- **Increased revenues** by expanding market reach to emerging platforms and more mobile devices by monetizing APIs
- **Decreased costs** by reducing technology costs and increasing efficiencies
- **Improved customer satisfaction** by allowing your customers and partners to interact with your organization from their device of choice

Key Features

The CA API Developer Portal approach to API security and management is focused on the enterprise. Our solution addresses the requirements of each stakeholder in an API purchasing cycle (enterprise architect, security architect, development manager, and business manager).

Other key differences:

- One product that can address partner, developer, mobile, and cloud access
- Is deployable on-premises
- Allows each business unit in an organization to publish and manage their own APIs on a single, central portal
- Allows developers to automatically generate client-side code in their programming language of choice
- Automatically creates interactive documentation from industry-standard WADL files
- Supports both external and internal developer groups
- Localization support
- SSO support

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 grows and adapting data for consumption by a range of constituents.

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, as well as providing the appropriate educational resources, easily managed by the enterprise can be a difficult task.

Solution Overview

The CA API Developer Portal allows enterprises to empower developers to build mobile, Web and other applications that support individual business unit goals, extend overall market reach and grow revenues. The API Portal 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.

The CA API Developer Portal developer management functionality makes it simple to:

- Understand who is using which APIs and what apps are being built
- Track which APIs are providing the best ROI
- Group and package APIs for easier provisioning and management
- Includes Revenue Planner to map out your revenue potential from developers that use your APIs
- Streamline developer onboarding
- Centralize internal communications to API owners, developers and their stakeholders
- Create forums that help stakeholders to collaborate around APIs
- Create and publish APIs directly from data sources in just a few clicks
- Throttle and shape access to APIs from different constituents
- Create interactive API documentation that can be automatically updated in lockstep with the APIs
- Automatically generate client-side code in the developer's programming language of choice

Developer Community	
Developer Onboarding	- Provide self-service or gated registration - Allow registered developers to enroll their colleagues under their organization - Ability for a developer to select a Plan from the API Catalog and be automatically provisioned for a bundle of APIs
Reporting	- Measure API usage against quotas and track API hits/latency, etc - Measure application usage to answer the question: “Which of my applications is most popular?” - Measure latency to answer the question: “What is my customer’s experience like?”
Documentation and Resources	- Interactive API documentation, API explorer, example code, and sample applications to help developers speed the creation of applications - Provide announcements, developer support, FAQs, and discussion forums to foster community among developers
Application Creation	- Automatically generate client-side code in most popular programming languages, including JavaScript, node.js, Python, Ruby, PHP, Objective C, Java, and Curl - Ability for a developer to add multiple APIs to an application with a single click
Account Management	- Plans are provided to help you stratify developers into tiers - Account managers can be assigned to help manage specific high-value partners
API Key Management	- Optionally gate the generation of API keys/OAuth secrets for each developer application - Create, assign, suspend, and revoke API keys
Content Management System	
Style Sheets	- Leverage out-of-the-box templates for API documents, landing pages, homepages, etc - Insert custom code on every page (for the purposes of creating interactivity; implementing Google Analytics, etc)
Content Management	- All content is versioned and can be rolled back - Content can be written in the provided rich text editor or pasted from MS Word (preserving the formatting) and can be edited in the underlying HTML code
Workflow	- Enforce workflow for content creation, editing, reviewing, and publishing - Edit content in staging mode and then push it live when approved for publication
Dashboarding	Define a personalized default dashboard for each user
Custom Fields	Capture custom information when a developer registers for an account or requests a new API key
Branding	- Control the display and position of all logos, fonts, colors, graphical elements, etc - Control headers, footers, page bodies, tables, etc via CSS files
Private Data	Associating API documents, forums, and API explorer entries with a private API allows you to hide information from developers who have not been granted access
Business Management	
Account Plans	- Define quotas, rate limits, and APIs per tier, allowing you to impose coarse-grained controls per organization - Filter users by account plan to quickly suspend or un-suspend accounts - Use the included Revenue Planner to map out revenue potential from developers that use APIs; then apply revenue model with a single click to update billing engine
API Plans	- Define and optionally monetize unique and/or standard plans for each API - Define and optionally monetize quotas, rate limits, and other fine-grained controls on a per API basis - Track applications when they move from development to test to production
API Analytics	- 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
API Publishing Controls	- Each business unit can publish and manage its own APIs, independent of all other business units. - Each API owner can publish their APIs directly from the Portal using standard, pre-defined policy that can be altered on the fly

For more information, please visit ca.com/api

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.