

API Live Creator

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Introduction to API Management SaaS

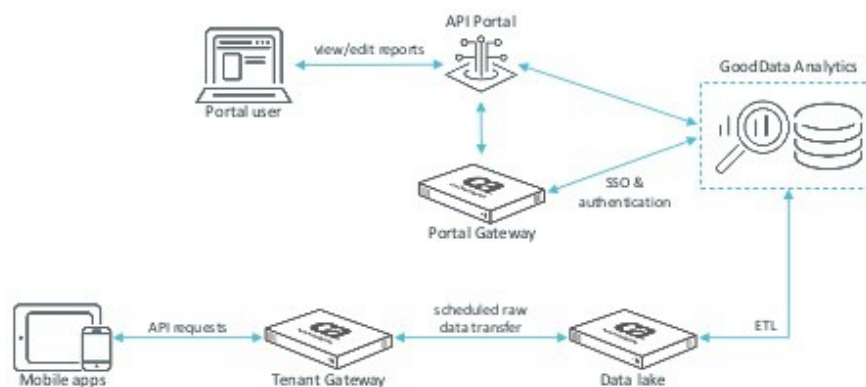
APIs transform everything They change previously closed businesses based on monolithic systems into open enterprises based on agile apps, allowing them to move as nimbly and quickly as their smaller, more disruptive competitors because their enterprise resources can now be made widely available:

On emerging platforms

For new devices

Gateway in CA API Management SaaS

How the CA API Gateway Enables Analytics



Features

Purchase as either SaaS or hybrid, in which an on:

Premises gateway can be deployed in conjunction with a SaaS-based portal. This allows organizations to have direct control over the most business-critical aspect of their deployment, simplifying the ability to scale, secure and integrate the gateway with back-end resources.

- **Advanced Analytics:**

Create custom, ad hoc reports, view KPIs across multiple dashboards and gain insight into the health and performance of your API Management initiative.

- **API Enabled:**

Access the service's functionality programmatically via APIs, turning the API Management platform into a set of interactive tools that can be integrated into your build, update, and manage processes.

- **API Custom Fields:**

Create metadata that can be leveraged at runtime— whenever an API is accessed— to execute API-specific logic in order to accomplish a task, solve a business problem or facilitate back-end integration via configuration instead of expensive customizations.

General Functionality

CA API Management SaaS lets enterprises perform the following tasks:

- Securely expose and enforce rules around their APIs.
- Manage the life-cycle of their APIs.
- Control developers' access to the APIs.
- Provide developers with the information and tools they require to understand and work with the APIs.

CA API Management SaaS lets developers build applications faster. It can give developers all the information and design-time tools they need to understand and work with the enterprise's APIs.

Challenge:

Software-as-a-Service (SaaS) is becoming increasingly attractive for businesses for its ease of use and wide range of application solutions delivered via the cloud. However, the potential benefits of any cloud offering are only realized if the solutions are setup to provide the required reliability, security, and capabilities of a world class service offering. SaaS solutions from CA Technologies deliver on these key requirements so that you can gain optimal IT security and management capabilities while reducing the effort and cost of deploying a solution on premise. This document provides insights into these key requirements.

The information provided in this document was current as of the date of publication. Details concerning the operation of CA Technologies Software-as-a-Service are subject to change without notice, except as provided for in your contract. Some of the descriptions contained herein are aggregations and/or generalizations of several individual SaaS offerings. Please refer to the individual product data sheets and SaaS contract documents for specific details of the capabilities and services offered for specific SaaS solutions.

Opportunity:

SaaS solutions from CA Technologies offer several solutions accessible in the cloud to customers from all regions of the world. The solutions are deployed in specific locations such as North America, Europe, and Asia/Pacific regions of the world. Please reach out to your CA Technologies representative for more information on each of the products indicated below.

Benefits

- **Ready-to-use infrastructure:** The ability to get started quickly by setting you up and deploying your solutions on a ready to use infrastructure.

- **Subscription pricing and affordable:** Subscription pricing reduces your CAPEX spend, thus eliminating large upfront costs and allowing SaaS solutions to become more affordable than traditional on premise deployments.
- **Access to the latest features:** Gain immediate access to the latest software features as the SaaS service is upgraded to new versions of the software soon after they are made available.
- **Guaranteed service levels:** SaaS guarantees you the availability and performance of the hosted solutions with matching penalties if the service does not meet our committed service levels.
- **High adoption and best practices:** SaaS delivery over the internet ensures that users can adopt the SaaS solutions with ease and become productive right away leveraging best practice implementation and use of the solutions.
- **Customer focus on business outcomes:** SaaS allows organizations to redirect resources from maintaining on premise solutions to projects that support their business needs and thus focus on business outcomes.

Reliability with SaaS from CA Technologies

CA Technologies has been delivering services for cloud-based applications for over a decade. Our SaaS solutions are in use by over 13,000 organizations worldwide with over 120 million end users. To guarantee reliability, CA Technologies employs various processes and technologies to monitor the solutions to ensure that services offered meet the defined service quality as contracted in our Service

Level Agreements (SLAs).

The following are key highlights of how service assurance is setup and managed with SaaS from CA:

- **High availability and redundancy:** Our SaaS solutions are deployed in a highly available architecture with redundancy in multiple deployment tiers.
- **Monitoring:** All SaaS solutions are monitored from multiple sources using industry standard technologies.
- **Data resiliency:** Data management policies are in place to ensure customer data is periodically backed up allowing for one or more recovery points.
- **Network operations center:** A 24x7 service monitoring and help desk center for all of our SaaS solutions.

CA API Management SaaS Product

CA API Management SaaS provides an API management solution to customers using a multi-tenacity architecture.

- Leverages cloud-based infrastructure to scale to any business need.
- Utilizes a continuous integration model.
- Provides frequent automatic updates.
- Fall over and redundancy available across multiple zones.

The Heart of the SaaS Solution

- The heart of this SaaS product is a turnkey developer management and API lifecycle solution.
- The Developer Portal allows an enterprise Co perform the following tasks:
 - Securely expose, publish, and enforce rules around their APIs
 - Control access to each API using rules and quotas
 - Onboard developers to begin accessing each API.
 - Provide developers with the Information and tools they require to understand and work with each API and begin creating applications
 - Manage the life-cycle of their APIs.
- Customers can securely add their APIs to the Portal to allow developers to create applications against them.

Building Blocks of the SaaS Solution

- The API Developer Portal—the backbone of the system, this content management system incorporates a developer -facing website where APIs can be securely published, consumed, and analyzed.
 - Built using Adobe Coto create, edit, manage, and optimize the developer portal website.
- A Portal Gateway (09.0) a modified API Gateway appliance that hosts the developer portal.
- A Tenant Gateway (v.9.0) — a pair of basic API Gateway appliances that host policies and process application traffic.

— Accessed using the Policy Manage, a software user Interface available for Windows or linux.

CA API Developer Portal-SaaS

The CA API Developer Portal-SaaS delivers the following differentiators:

- **Easy to Use :** The clean, responsive UI offers support for traditional as well as tablet-based browsers.
- **Quick Time to Value:** Just sign up and you can immediately start publishing APIs and building apps with web-based developer tools, including interactive API documentation and auto-generated code samples.
- **Start Simple and Grow:** With complete access to sophisticated backend functionality, you always have room to grow out your solution, whether that means integrating with your on-premise systems, customizing Portal-driven functionality and creating new business rules.
- **The Power to Know :** With built-in analytics and reporting, you always know which are your best APIs; best developers; best applications, and have the ability to pinpoint problems when things go wrong.

Key Features

User and organization management :

Easily create and manage users, and onboard developers and partners.

Analytics:

Run pre-set summary reports to understand API usage and responsiveness and to track how developers are utilizing APIs against their quota.

API publication and management:

Publish, version and set access controls for your APIs using pre-defined templates, or define your own.

Account plans: Create tiered plans that grant different access levels to developers while imposing quotas and rate limits.

App/API Key Management: Create and manage apps/API Keys on behalf of a developer, or allow developers to assign APIs when creating their own apps/API Keys.

App/API key management: Create and manage apps/API keys on behalf of developers, or allow them to assign their own.