

# Informatica API Center

## One-stop solution for all your enterprise API management needs

Whether you're launching a new business model, spinning up a new channel or onboarding a new partner, application programming interfaces (APIs) are a critical component to success.

APIs have become commonplace, and with so many different personas throughout the API lifecycle (architects, business technologists, developers, consumers, producers, designers, citizen integrators, etc.), the need for end-to-end API lifecycle management is vital.

With Informatica API Center, a service of Informatica Intelligent Data Management Cloud™ (IDMC), organizations can now design, implement, deploy, manage, monitor, deprecate, secure, discover, reuse and retire APIs that span multiple clouds and on-premises systems within and outside their firewalls.

## Easy, Efficient, Enterprise-Grade API Lifecycle Management

### Informatica Helps Your APIs Do More for You

- **Rapid API Prototyping with a Low-Code/No-Code User Experience:** Informatica ensures that APIs can be developed not only by elite Java-class developers, but also by members of your data and application teams. The APIs you design are implemented with a simple form-based, user-friendly and intuitive designer. This is a game-changer for organizations that can no longer depend on the availability of consultants or overloaded IT teams.
- **Secure Data Access to Virtually Any Data, Pattern and Latency:** Through the power of APIs, Informatica provides customers with broad data access and manipulation. You can orchestrate, ingest, synchronize, replicate, transform, and lift and shift just about any data, residing on the cloud, on-premises, or inside or outside your firewall, at virtually any speed, with virtually any specified latency, in real-time. And it's all done with a simple API call. Plus, access to your APIs is controlled, throttled and monitored.
- **AI-Powered API Lifecycle Management:** Using the artificial intelligence (AI)/ machine learning (ML)-powered CLAIRE® engine, Informatica API Center enables you to automatically discover and describe your data for use in various integration scenarios. Informatica API Center also empowers organizations to identify security vulnerabilities in APIs and policies and provide recommendations for how to address them. This can help ensure that your APIs are secure and protect user data. Whether processing large bulk datasets, exposing or making API calls, or initiating mass ingestion of data, you need effective tools that can help you describe the data. CLAIRE-based metadata discovery gives your teams the intelligence required to understand and capture the value of your data.

### Key Benefits

- Reduce operational costs by streamlining the full API lifecycle with zero coding
- Increase business agility with democratized API development
- Secure sensitive data with API gateway policies
- Get visibility into your API usage with real-time analytics
- Design, develop, test and deploy APIs from a collaborative dashboard

## Key Features

### API Design and Implementation

#### Design

With Informatica API Center, you can design API in minutes using specifications like Swagger, Open API, and more, through a modern, intuitive graphical interface that defines API behaviors. APIs can also be easily published from the CAI process to APIC with just a single click. This is accomplished by defining the endpoints, data formats, authentication, authorization and other functional details of the API. The API design feature ensures APIs are easy to use and meet performance and security standards. It also supports prototyping, testing and validation of APIs before full development by enabling users to create complete API specifications, model data structures and generate code stubs.

#### Implementation

The API implementation feature allows you to seamlessly implement the APIs created during the design stage using Informatica API Center, Informatica Intelligent Data Management Cloud endpoints, or third-party endpoints. It supports SQL Data Access Service (DAS), publish/subscribe APIs, transformation APIs such as rules/DT as a service, data masking and encryption as a service. It also supports external API providers as well as other IDMC APIs, such as the Taskflow API, DQ as a REST endpoint, and MDM API. Additionally, the implementation feature enables testing to create a functional API that can be used in the environment.

This feature helps generate code in various programming languages, based on the API design specifications, to help developers quickly and accurately implement the API and later test it for API functionality, performance and security. The implementation feature helps the developer take the API design and bring it to life by creating APIs using various programming languages, frameworks and tools. It also helps when creating API documentation, versioning and testing.

### API Deployment, Governance and Operations

#### Deployment and Governance

Once an API has been implemented and tested, the API deployment feature deploys and governs the API through API console to various environments – such as the cloud, on-premises or hybrid – and manages API gateways, load balancers and other infrastructure components. This capability enables easy deployment of the API to development, testing, staging and production, as well as the governing and retirement of APIs through proxy creation and the application of policies such as operational, private, and access policies.

It also introduces governance capabilities, including recommendations from our AI-powered engine CLAIRE, additional policies and approval mechanisms for API consumption.

#### Monitoring

Informatica API Center helps organizations manage APIs, including version control and access control. Featuring an intuitive built-in dashboard for API monitoring and AI-powered analytics, enabling tracking of key performance, security and usage indicators, it also ensures APIs are secure, reliable and performant while promoting appropriate usage. Powered by the Informatica CLAIRE AI engine, it supports rich operational monitoring with reporting, alerting and runtime anomaly detection.

By analyzing API usage and performance in real-time, it enforces and defines enterprise-wide policies such as authentication, authorization, rate limiting and throttling that needs to be adhered to by the API developers and deployers. Lastly, it supports management policies applicable at the org, group, API, and user levels.

**Versioning**

Informatica API Center allows easy versioning of the API. This includes the ability to make updates, rollbacks and bug fixes, as well as version control to ensure backward compatibility.

**Security and Access Control**

Informatica API Center provides comprehensive security and exception logging. The API administrator can quickly identify and analyze unauthorized API access attempts and policy exceptions, which enables real-time monitoring of API performance, usage and errors. It helps identify issues and opportunities for optimization while ensuring service-level agreements (SLAs) are met. Additionally, it supports user-level rate limiting and cross-origin resource sharing (CORS) policies for enhanced security by whitelisting origin domains, methods and request headers.

**AI Gateway**

With the AI gateway capability, you can deploy, activate and secure APIs, both within the organization and with your partners. This feature secures and controls access to APIs by applying policies such as rate limiting and IP filtering and more.

The next-gen AI gateway provides a high-performance, cloud-native, container-based API gateway with autoscaling and built-in resiliency, capable of handling up to 100,000 requests per minute. It also provides simple, secure access to APIs, large language models (LLMs), AI agents and real-time data, empowering enterprise AI initiatives and accelerating innovation.

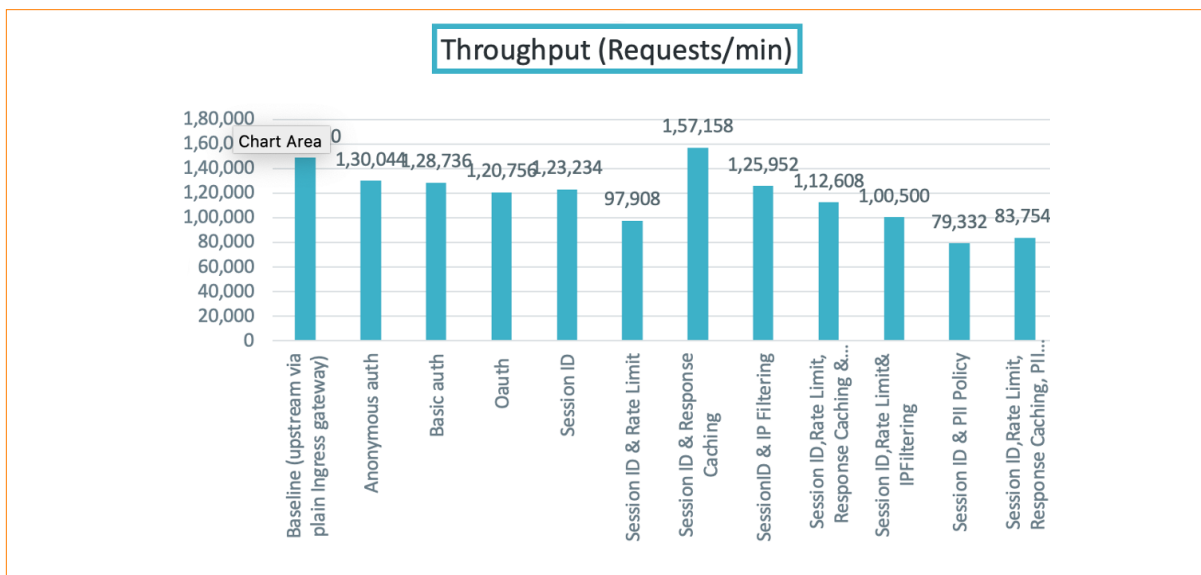


Figure 1: Testing Conditions for Next-Gen AI Gateway Performance and Reliability

## **API Rate Limit Per Consumer**

Informatica API Center allows organizations to configure API rate limit policies to control the rate at which API consumers can make requests to their APIs. This ensures that the API service remains available, responsive and performant by preventing consumers from overwhelming the API infrastructure with too many requests.

## **Enterprise Authentication**

Informatica API Center uses powerful, market-standard security authentications such as OAuth 2.0. When used in conjunction with Client ID and Secrets, OAuth 2.0 extends authorization options to include basic authentication, JSON Web Token (JWT)-based authentication, and federated authentication. It also supports third-party authentication servers like Okta, and Azure Active Directory, etc., through OAuth 2.0 in API Center, accelerating broader API adoption across the enterprise and beyond. Additionally, Informatica API Center can authenticate API calls based on customers' OAuth identity providers as well, while able to maintain similar security levels.

## **API Analytics**

Informatica API Center offers built-in analytics, including usage reporting, alerts, analytics, and trend reporting of integration APIs through analytics dashboards. This capability provides tools for analyzing API usage and performance data in real-time, helping organizations understand how APIs are being used and identify opportunities for improvement.

## **API Console**

Informatica API Center has an API console, which is a central repository that stores information about various APIs. It serves as a directory or catalog of APIs that developers can use to discover, explore and consume. Published APIs are automatically registered to the API registry, which makes it easy for you and your teams to manage and easy for others to discover and access. All you need is one click to expose these APIs and start monitoring usage by your applications and partners.

## **API Retirement**

Informatica API Center provides capabilities for retiring or deprecating APIs that are no longer needed and managing the transition to newer versions or replacements.

## **Key Benefits**

### **Improved API Security and Reliability**

As an API developer or administrator, you can apply privacy policies for personally identifiable information (PII) data, and audit, record, and block PII leakage in API requests and responses.

Access to APIs is controlled and secured using policies for authorization, rate limiting – including endpoint-specific rate limits and IP filtering – and IP whitelists and blacklists. The comprehensive security exception log allows an API administrator to quickly identify and analyze unauthorized API access attempts and policy exceptions.

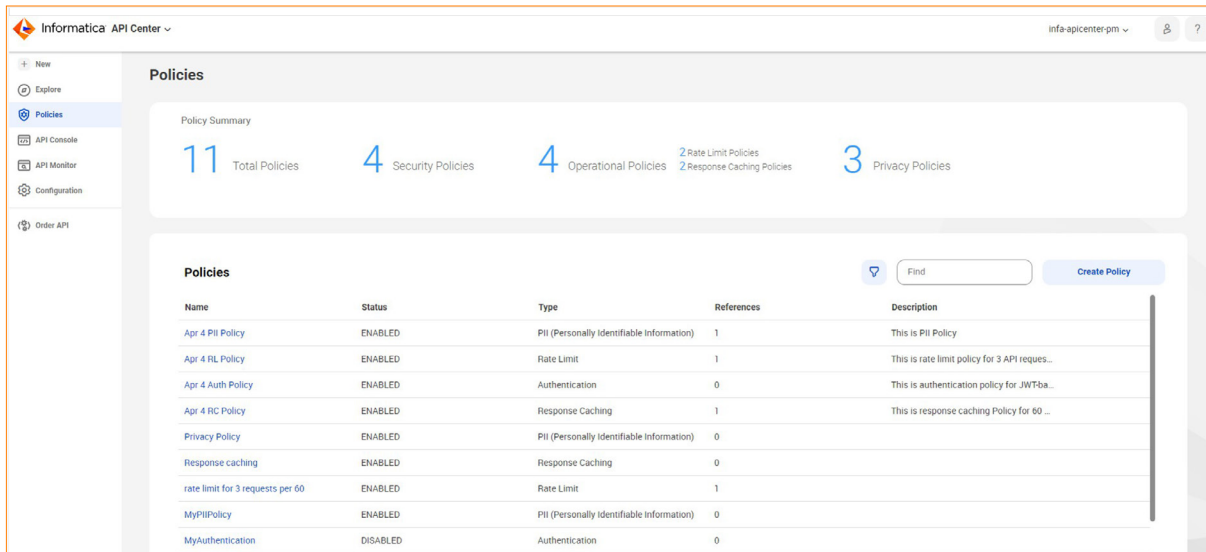


Figure 2: A single view of all API policies.

### Accelerate API Development and Deployment

As a developer you can build applications, data service and dataset APIs with the Informatica API Center intuitive zero-code API design wizard. Leverage our sophisticated application integration services to orchestrate API-based systems and expose APIs to your applications, teams and partners. Augment your integrations with rich data integration capabilities, including data synchronization, replication, transformation and mass data ingestion. When you're ready to expose your application and data service APIs to your partners, customers or users within the enterprise, use our built-in API gateway to secure and monitor your REST and SOAP application and data APIs.

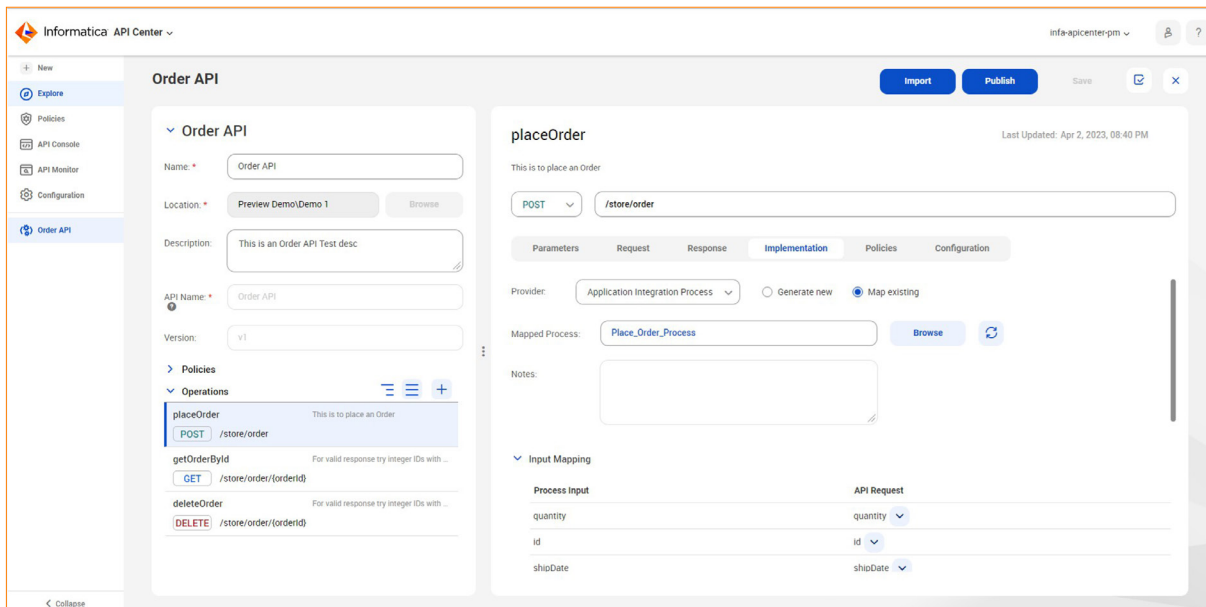


Figure 3: Intuitive API design wizard.

## **Get Started in Minutes with APIs at Your Fingertips**

Enterprise and B2B application developers can get started in minutes with all the APIs available in a single dashboard. This dashboard also includes information on how to use the APIs, best practices, pitfalls, etc. Developers can request access to managed APIs, collaborate and quickly try out APIs before using them in their applications.

## **Build Robust, Scalable and Secure APIs**

Developers want their APIs to be highly scalable, secure and consumable by multiple applications and interfaces. You can implement and debug your APIs and integrations to test them with multiple clients, as well as verify that they will scale with sudden surges in the number of users, transactions or applications.

Authentication support includes Basic HTTP, JWT authentication, federated authentication and an open standard (RFC 7519) that enables a compact and self-contained way for securely transmitting information between API consumers and IDMC REST services. This allows users to secure their APIs with multiple authentication methods. You can also take advantage of our built-in monitors, which evaluate virtually every step of execution and data manipulation. This is invaluable in building robust and reliable APIs for developers.

## **Boost Developer Efficiency with Automated API Discovery and Grouping**

Informatica API Center automatically lists all the available REST and SOAP web services created by your organization. To build API clients, API metadata and interface descriptions are automatically generated. Web Services Description Language (WSDL) or Swagger (OpenAPI) interfaces are automatically generated by API gateway. You can better manage the use of JWT tokens and associate their use to multiple API endpoints with the API application-grouping capability. This provides API consumers with fewer tokens to handle, and makes it easier for API producers to manage or revoke a consumer's access to multiple APIs.

## **Experience Higher Productivity with an Integrated DevOps Environment**

Informatica API Center is a feature of the Intelligent Data Management Cloud (IDMC), the industry's most comprehensive data management cloud, which supports cloud data integration, cloud application and process integration, API lifecycle management, master data management and more. IDMC offers a tightly integrated user experience for developers, business analysts and API administrators, which helps make interactions frictionless. This common user experience enables skills to be reused across IDMC products, which significantly shortens the learning curve.

## **Manage the Entire API Lifecycle**

API administrators and developers can easily control and monitor their APIs using Informatica API Center. This allows organizations to expose service APIs and to drive the API lifecycle, including design, activation, deactivation and decommissioning.

## **Improved API visibility and Control through Real-Time Analytics**

The analytics dashboard in Informatica API Center includes a visual summary of API usage analytics, such as trends and usage over time, APIs with the most invocations and APIs with the most frequent users. API administrators can take corrective actions, such as changing an API usage limit to fulfill a business need, based on real-time insight.

## Learn More

To learn more about Informatica API Center, please visit:  
[www.informatica.com/api](https://www.informatica.com/api) or start a **free 30-day trial**.

### Where data & AI come to



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Informatica (NYSE: INFA), a leader in AI-powered enterprise cloud data management, helps businesses unlock the full value of their data and AI. As data grows in complexity and volume, Informatica's Intelligent Data Management Cloud™ delivers a complete, end-to-end platform with a suite of industry-leading, integrated solutions to connect, manage and unify data across any cloud, hybrid or multi-cloud environment. Powered by CLAIRE® AI, Informatica's platform integrates natively with all major cloud providers, data warehouses and analytics tools – giving organizations the freedom of choice, avoiding vendor lock-in and delivering better ROI by enabling access to governed data, simplifying operations and scaling with confidence.

Trusted by about 5,000 customers in nearly 100 countries – including over 80 of the Fortune 100 – Informatica is the backbone of platform-agnostic, cloud data-driven transformation.

**Informatica. Where data and AI come to life.™**

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