

Axway API Portal

Putting APIs first for your developer ecosystem



To fully embrace an API-first strategy, it's no longer enough to simply develop and deploy APIs. Organizations need broad API management capabilities to not only create, publish, promote and control APIs in a secure, scalable environment, but also to deploy digital business applications across the web, smartphones, tablets, laptops and internet-connected devices known as the Internet of Things.

As a key component of Axway 5 Suite for API Management, Axway API Portal puts APIs first to help organizations create new sales channels, increase developer velocity, integrate customers and partners more efficiently, and enable new business models that help drive revenue growth. The portal makes it easy for developer communities inside and outside your organization to discover and consume your APIs and web services, and for your organization to analyze and manage API usage and lifecycles so you can deliver an exceptional user experience overall.

Key Features & Benefits

Offer secure self-service capabilities to developers

Give developers access to your APIs and web services, monitor API use and consumption via intuitive analytics, and delegate administrative tasks to partner organizations

Developers can:

- Self-register and manage profile and credentials
- Register applications and request API Keys for each API service they plan to integrate into apps
- Browse the API catalog for APIs, API attributes and documentation
- Test APIs dynamically while leveraging complete traceability to assess what's happening
- Test OAuth-protected APIs by including access tokens in requests, obtain access tokens from OAuth authorization service on Axway API Gateway, and consume OAuth-protected APIs
- Participate in developer communities using wikis and blogs
- Perform delegated administrative tasks



Key Features & Benefits	
Deliver an open, personalized developer experience Deliver an out-of-the-box API portal tailored to your organization's branding and functional requirements	<ul style="list-style-type: none"> ▪ Embed API portal capabilities into other portals or applications using a fully documented set of REST APIs ▪ Tailor the user experience based on role or function through developer community administration, including delegating administrative tasks to partner organizations, and a rich set of policies
Utilize enterprise-class API management capabilities Integrate API governance through a centralized web console and gain real-time visibility and insight across all API activity	<ul style="list-style-type: none"> ▪ Enable API administrators and product managers to register APIs directly or import WADL or Swagger metadata files ▪ Maintain an API catalog that makes it easy to publish, promote, discover and consume APIs and web services ▪ Control API modifications and rollout through versioning ▪ Use policies to manage authentication, authorization and usage for clients, developers, applications and organizations ▪ Generate alerts to notify people or trigger governance processes, based on policies around registrations, quotas, usage metrics and more ▪ Deploy tailored API management workflows and self-service through integration with Axway Application Studio
Monitoring and reporting Monitor API operations and analyze API usage	<ul style="list-style-type: none"> ▪ Configurable logging of any API transaction data ▪ Real-time system monitoring ▪ Alerting based on errors, exceptions and thresholds ▪ Transaction tracing and root cause analysis ▪ API usage analysis ▪ Automated generation and delivery of reports ▪ Integration with log and system management tools
Choose your deployment model Deploy on-premise, in the cloud or in a hybrid implementation	<ul style="list-style-type: none"> ▪ Deploy any combination of Axway API Portal and Axway API Gateway on-premise, in the cloud or as a hybrid IT environment ▪ Leverage automatic elastic scaling in the cloud ▪ Support on-premise API management deployments with disaster recovery in the cloud

Core Functionality

Axway API Portal eliminates the barriers commonly encountered when introducing, activating, deploying and monitoring APIs, making it easy for your organization to create and nurture a developer community to drive API adoption.

Secure self-service capabilities for APIs and web services

Axway API Portal provides a consistent experience for self-service discovery and consumption of REST APIs and web services. In addition, you can delegate administrative tasks to partner organizations so they can administer their own developer communities.

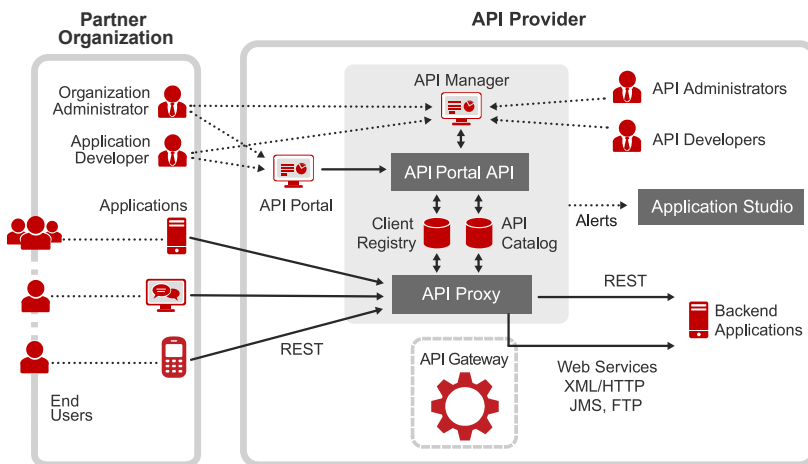


Through the portal, developers can:

- Use assigned registration keys to log in and view details of all APIs and web services they are entitled to use
- Test the API or web service directly from the portal by sending test requests
- Browse the API Catalog and discover APIs and web services
- Learn how to use APIs with interactive Swagger documentation
- Access security policy information for APIs, and generate API Keys and OAuth keys
- Test OAuth-protected APIs by including access tokens in requests, obtain access tokens from OAuth authorization service on Axway API Gateway, and consume OAuth-protected APIsView details of quotas for each API they are entitled to access
- Perform delegated administrative tasks

Personalized branding and functionality

API Portal is built entirely on a fully documented portal API foundation that can be configured to support the branding of your organization. You can tailor API Portal directly, or embed any Axway API Portal functionality into custom or third-party portals and applications. Administrators can control access to API features based on API endpoint, developer, role or organization, as well as through a rich set of policies governing authentication, authorization, usage and data.



Axway's API management provides your organization with end-to-end control and visibility across the lifecycle of your APIs

System Specifications

Axway API Portal runs in conjunction with Axway API Manager and Axway API Gateway, which provide supporting capabilities)

Delivery options

Software installation

Platforms

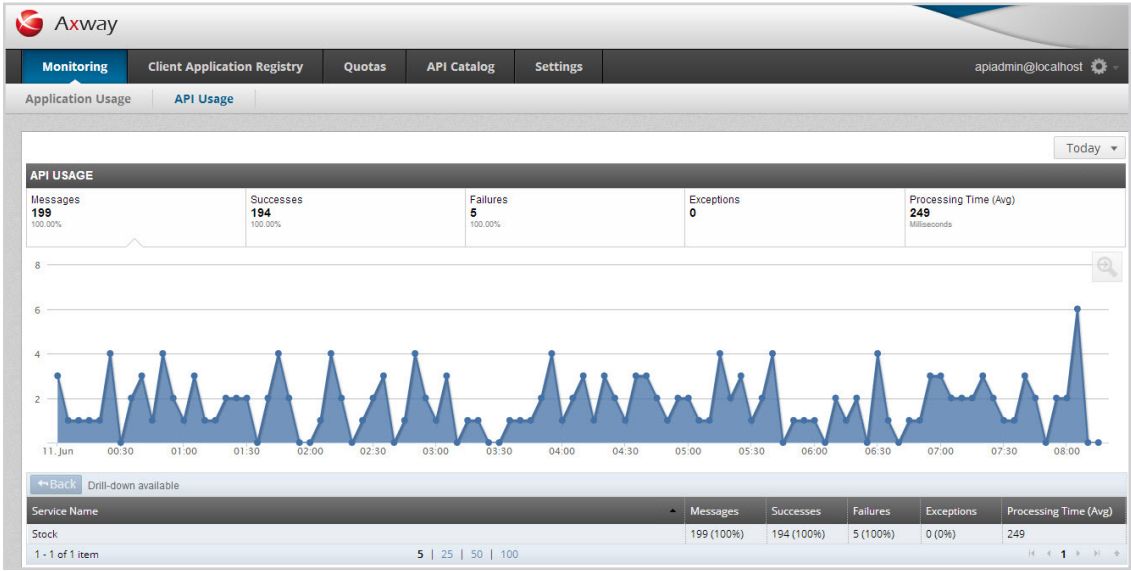
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Centralized API catalog and registry for on-boarding and management

Axway API management capabilities include an integrated API catalog and client registry. This foundation stores all information about APIs and web services, applications, developers and organizations, as well as authentication credentials and policies related to authorization, authentication, and quota defined at the API, organization, developer, and application levels. Additionally, administrators and product managers can create new policies to govern API usage.

API analytics for usage monitoring

Axway API Portal includes detailed API analytics capabilities that show which APIs are being accessed, when, by whom, and how frequently. This level of insight enables developers to view and analyze usage of their APIs and applications, and IT and business users to leverage analytics to understand API usage and platform operational efficiency.



Axway API Management Solution Pack includes easy-to-read usage monitoring.



Full-service API management

Axway API management lets you define different groups of developers, including internal teams, external partners or the general public. You can then grant different levels of API access and administrative rights to each developer community or organization. For example, an internal developer group may have access to all APIs, while developers from a systems integrator partner may have access only to certain APIs.

You can also:

- Easily on-board large groups of developers
- Manage API clients by defining who can consume, what they can consume, and how much they can consume
- Centrally view API usage across developer groups
- Set security profiles for APIs (OAuth, API Key and more)
- Apply fine-grained quota management for APIs

You can also graphically define personalized management workflows and self-service through integration with Axway Application Studio.

Flexible deployment models

Axway API management solutions can be deployed on-premise, in the cloud or as a hybrid IT environment. For instance, you can:

- Deploy Axway API Portal as a cloud service on top of an on-premise Axway API Gateway deployment, or vice versa.
- Deploy an on-premise API Portal with a disaster recovery API Portal in the cloud.

Axway API management enables you to fully leverage the capabilities of all deployment options. In the cloud, Axway API management leverages automatic elastic scaling; on-premise, you can deploy Axway API management as a combination of software, VM images, or appliances with hardware-based acceleration.



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