

ACCELERATE
YOUR API
JOURNEY
WITH INFOSYS
BANKING API
PLATFORM

Infosys
cobalt



Infosys®
Navigate your next

With an exponential increase in API usage and open banking APIs, banks are shifting away from legacy to microservice architecture, from on-premise to cloud environments and from standard deployments to containerization. To help banks and FinTechs accelerate this API journey and seamlessly adopt digital, Infosys and Red Hat have developed the Infosys Banking API Platform.

Infosys - Red Hat solution

Infosys Banking API Platform accelerates open banking and the digital/API banking journey by rapidly onboarding new third-party provider (TPP) collaborations and digital integrations with merchants. It comes with a set of best practices and offers a multitude of salient features. The platform helps financial services to create secure APIs internally and externally as per the regional, open banking compliances for the consumers. It is developed in a cloud-native manner, ported, and tested on

Red Hat® OpenShift® and Red Hat® Integration. Red Hat OpenShift® offers a consistent hybrid cloud foundation for building and scaling containerized applications. It also offers a full-stack platform to accelerate the complete lifecycle of Infosys Banking API Platform. Red Hat Integration, an agile, distributed, containerized API-centric solution offers a comprehensive set of integration and messaging technologies to connect the applications and data across hybrid infrastructures.

Key challenges in API banking journey

API Management

How do we choose the best-fit API management tool?

API Security

How can we secure the APIs both internally as well as externally?

API Standards

How do we manage multiple API standards that are defined across regions?

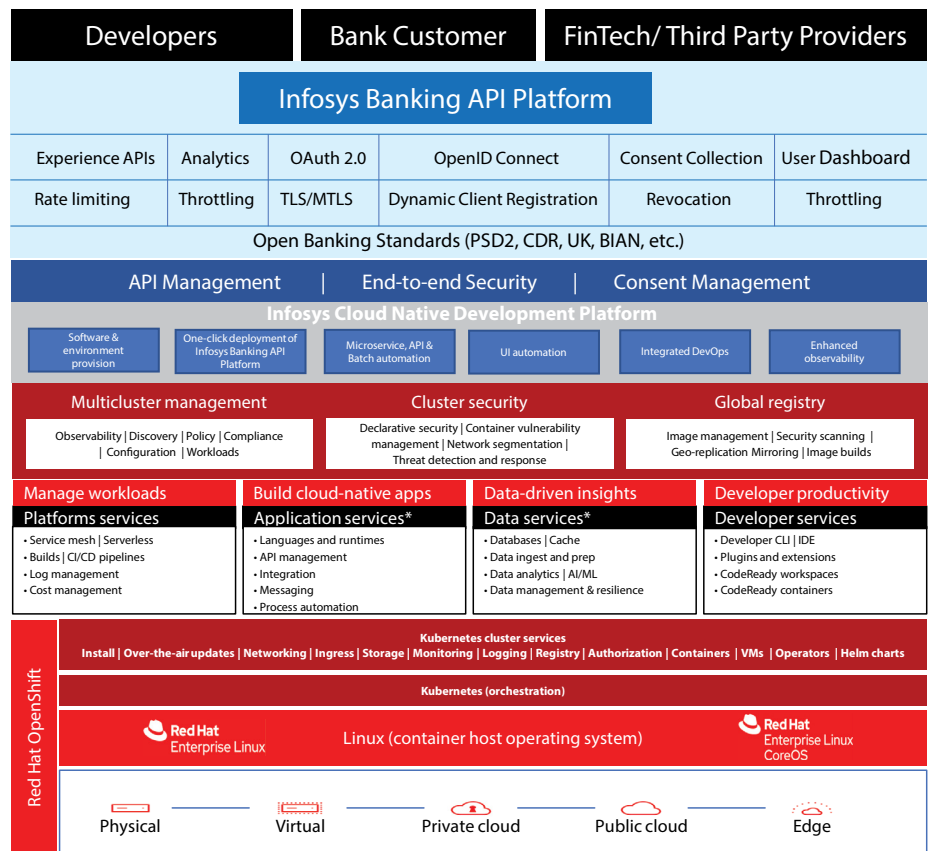
Longer Time-to-market

How do we accelerate API banking journey?

Third Party Management

How can we leverage modern technologies to make third-party management secure and efficient?

Infosys Banking API Platform on Red Hat



API Management

Red Hat® 3scale, an API Management tool is used for managing the APIs lifecycle, security, and other cross-cutting concerns

leveraged for the security layer with supported protocols like OAuth2.0 and OpenID Connect

Security

Red Hat Single Sign-On (RH-SSO) is

Containerization

Red Hat OpenShift® provides a hassle-free environment to bring up the services in action

Key features

- Efficient management of API lifecycle and cross-cutting concerns like traffic management, analytics, developer portal using Red Hat 3scale
- Native capabilities of OpenShift's enterprise-grade Kubernetes to run the API Banking Platform services
- Red Hat® 3scale API Management to manage APIs
- Red Hat SSO to provide end-to-end security for the API banking ecosystem starting from registering the third-party providers/ FinTechs, to securing the APIs with OAuth 2.0/ OpenID Connect
- Robust integration layer to build experience APIs connected with core banking layer that is powered by Red Hat Fuse. Out-of-the box connectors for REST, SOAP, MQ, FTP, Kafka, and others

Infosys Banking API Platform integration with Infosys Cloud Native Application Development Platform

Infosys Banking API Platform is integrated with Infosys Cloud Native Application Development Platform (part of the [Infosys Cobalt](#)) to further simplify and automate digital transformation. This integration provides additional features such as:

- One-click creation of environments and deployment of underlying software components needed by Infosys Banking API Platform
- One-click deployment of Infosys Banking API Platform components like API publisher, consent management, localization layer running on Red Hat OpenShift
- Custom API, microservice and UI development
- Ready-made DevSecOps pipeline
- Out-of-the-box monitoring, tracing, and metering to simplify debugging and error handling

Key technologies used

Red Hat OpenShift®: A fully featured, industry-leading enterprise-grade Kubernetes container platform with full-stack automated operations to manage hybrid cloud and multi-cloud deployments. Because it is pre-integrated with many open-source projects supported by the Infosys Cloud Native Development Platform, engineers can quickly and efficiently deploy an end-to-end enterprise-grade platform for building and orchestrating cloud-native applications. Operator Framework to help automate life-cycle management for increased security, tailored operations solutions, easy-to-manage cluster operations, and application portability.

Red Hat Integration: A comprehensive set of integration and messaging technologies to connect applications and data across hybrid infrastructures.

It is an agile, distributed, containerized, and API-centric solution. It provides service composition and orchestration, application connectivity and data transformation, real-time message streaming, change data capture, and API management—all combined with a cloud-native platform and toolchain to support the full spectrum of modern application development.

Why choose Infosys Banking API Platform?

The Infosys Banking API Platform simplifies and accelerates API Banking journey by providing out-of-the-box API Standards, Financial-grade API (FAPI) security and API compliance to regional regulations. Partnering with Red Hat in the API Journey, we can help you achieve agility, efficiency, and speed to market, which is essential in today's rapidly growing API ecosystem.



Infosys Banking API Platform offering

Open Banking as a Package - Infosys Banking API Platform offers compliant Open Banking offering for regions like Australia, UK, India, and Core less banking powered by Banking Industry Architecture Network (BIAN)

Benefits

Agility

Kick-start your API journey with out-of-the box components. Integration with core banking is accelerated with ready to use multiple connectors.

Adaptability

Build to evolve without lock-in as technology changes.

Cost Effective







Reduces development effort by 40% with ready-to-use applications. Customer branding required to be incorporated.

Expertise

Leverages Infosys experience through a curated tech stack industry standards solution.

Open Banking as a Package

Infosys offers Open Banking as a Package with all below components, most of these components are required to meet the compliance of the regions.

 <h3>APIs</h3> <ul style="list-style-type: none">Automatic publication of APIs for compliance / standard.1200+ API endpoints across multiple domains of bank.	 <h3>Customer Consent</h3> <ul style="list-style-type: none">Ready to use compliance specific consent managementDashboard for users to manage the consents like Revoke, Extend etc.	 <h3>Sandbox Environment</h3> <ul style="list-style-type: none">All APIs are available in sandbox environment with sample data for third parties to test APIs.
 <h3>Developer Portal</h3> <ul style="list-style-type: none">API catalog with domain classification, developer forum to raise questions, option to post new events.	 <h3>FinTech Onboarding</h3> <ul style="list-style-type: none">Easier way to onboard the new third party and give access to APIs, Keys, Oauth tokens.	 <h3>Integration Layer</h3> <ul style="list-style-type: none">Readily available connectors for different protocols like HTTP/S, FTP, MQ to connect bank's existing ecosystem or legacy applications.

Infosys Cobalt is a set of services, solutions and platforms for enterprises to accelerate their cloud journey. It offers over 35,000 cloud assets, over 300 industry cloud solution blueprints and a thriving community of cloud business and technology practitioners to drive increased business value. With Infosys Cobalt, regulatory and security compliance, along with technical and financial governance comes baked into every solution delivered.

For more information, contact askus@infosys.com

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