

Accelerate application modernization with IBM z/OS Connect

January 18, 2022

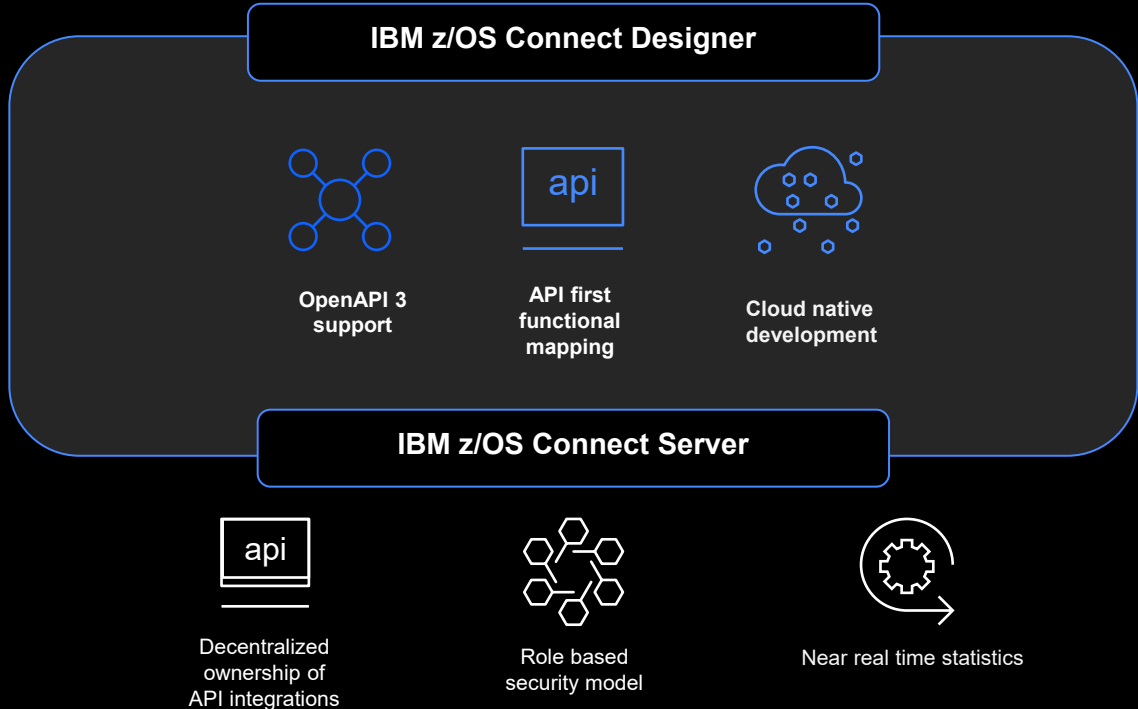
IBM Z



Enterprise-wide API integration for z/OS® applications and data

Today, with z/OS Connect, IBM Z® application developers can create RESTful APIs to mainframe programs and data in minutes

- Call APIs from Z apps to enhance them with the power of cloud native functions.
- Increase agility and rapidly respond to business requirements which demand access to core assets on IBM Z.
- Create consumable APIs to make Z apps and data central to your hybrid cloud strategy.



Enterprise-wide API integration for z/OS applications and data IBM Z®



Create and deploy

OpenAPI 3 defined APIs in minutes.

- Confidence that APIs being built will meet company, and industry standards.
- API first puts the specification at the heart of the project.



Increase agility

Accelerate innovation on IBM Z.

- Isolated API flows are deployed separately so do not affect one another.
- API flows can be scaled independently, taking advantage of efficient elastic scaling of cloud infrastructure.



Simplify operations

Decentralized ownership of API integrations

- Common cloud development experience across an enterprise
- Automation using OCI containers and industry standards platforms such as Kubernetes and RedHat® Openshift®



Standardize

Harness the renowned security of z/OS

- Accelerate innovation on IBM Z by using a consistent way to monitor, control and audit APIs on the platform
- Secure APIs with modern OpenAPI based security schemes

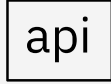
Key features

Create and deploy APIs

Increase agility

Simplify operations

Standardize



Open API 3 support

Provides enterprises with the confidence that the APIs being built will meet company, and industry standards



Graphical designer

New web-based user interface that provides a no code approach to API creation



Containerized deployment

Allows decentralized ownership of API integrations through containerization



Standard Monitoring

Access to metrics to provide near real-time statistics to tooling such as Prometheus™ to track usage data; for example, how many times an API operations is called or how long those calls take.

Benefits

- RESTful APIs to IBM Z assets in minutes, leveraging OpenAPI standards
- Enhanced role-based security model to provide more control to security admins.
- API first functional mapping enhancement creates and API first process which puts the API specification at the heart of the project.

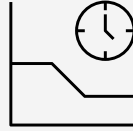
Key features

Create and deploy APIs

Increase agility

Simplify operations

Standardize



The Challenge

Businesses must rapidly deliver new products and services to compete in their market. To do this, new applications and services need to be integrated every day.



The solution

- Adhere to regulatory standards exposing Z data and services as developer consumable, OpenAPI 3 defined in minutes.
- A web-based user interface, provides a no code approach to create APIs in minutes
- Removes any dependency on Z platform development skills



Key features

Create and deploy APIs

Increase agility

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The Challenge

Changing workforces have new skills and experiences.

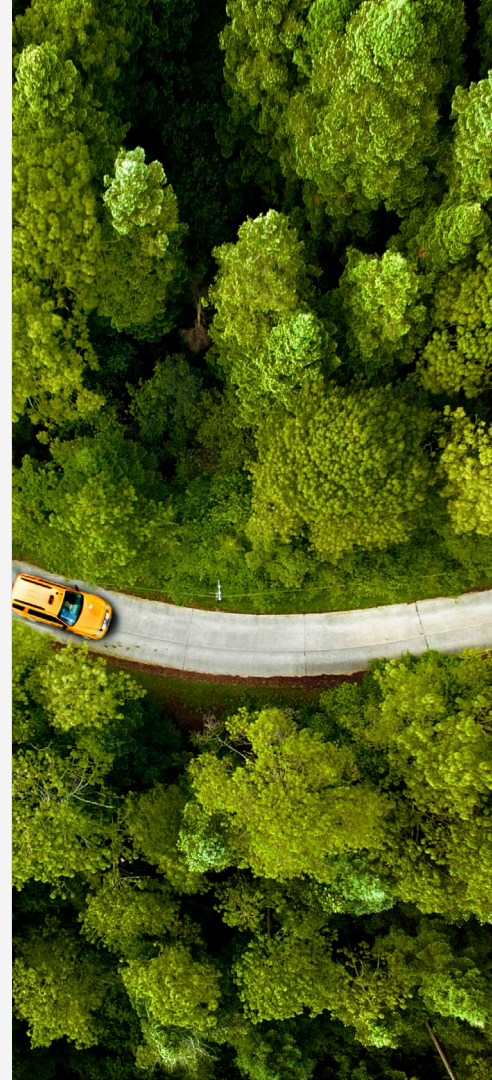
Business services and data must be intuitive to be consumed by developers on any platform or they run risk of restricting their innovation.

This is often driven by regulation e.g., Open Banking Payment Services Directive 2 (PSD2)



The Solution

- Leverage improved security schemes provided by OpenAPI 3 specification to control user authorization at API operation level
- Isolated API flows are deployed separately, so do not affect one another by stealing shared resources, such as memory, connections or CPU.
- API flows can be scaled independently, taking advantage of efficient elastic scaling of cloud infrastructures.



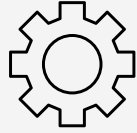
Key features

Create and deploy APIs

Increase agility

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The Challenge

Overburdened teams need time-saving solutions.

Complex, existing, core infrastructures are time-consuming to understand.



The solution

- All your IBM Z APIs with a single, consistent approach to monitoring and audit for all your z/OS APIs no matter which container platform they run on
- Access metrics API facility for near real-time statistics to tooling to track usage data
- Secure APIs with modern OpenAPI based security schemes
- All IBM Z APIs in a single location



Thank you

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