



IBM API Connect DevJam

Leverage multiple integration styles



API management

Unlock business data, apps & events as APIs



Application integration

Connect, map, transform & route data, apps & events



End-to-end security

Control access to vital resources wherever they are



Enterprise messaging

Deliver messages reliably with enterprise-grade messaging



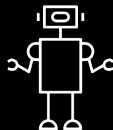
Event streaming

Deliver real-time Kafka event interaction



High speed data transfer

Drive fast & secure data transport across any cloud



RPA Connectivity

Extend integration reach to desktop apps



Integration Process Mining

Analyze and optimize integration processes

Unleash Your API Led Innovation with API Connect v10

OPTIMIZE ACCESS TO DISTRIBUTED DATA

Secure and socialize GraphQL endpoints through a unified API catalog

Streamline and simplify API consumption for fast and easy data access

CONSISTENT HIGHER QUALITY APIs

Automated API behavior testing and monitoring with no-code

`Be the first to know` - First responder of your APIs through synthetic monitoring and testing

BRIDGE AND SECURE EVENT INTERACTIONS

Extend event architectures bridging diverse protocols while unlocking gateway security capabilities

Secure integration gateway for modern, cloud native event architectures

ENTERPRISE SCALE OPERATIONS

Adaptive and automated scaling to simplify Day2 operations

Simplified Ops with insight driven auto-pilot for cloud scale deployments

Consistency with Choice v10



**IBM Cloud Pak for
Integration**

*Consume API Management
integration capabilities in a
unified integration platform,
on OpenShift anywhere*



IBM API Connect

*Deployable on-prem or any cloud,
bring your own OpenShift,
any K8s or
OVAs on VMware*



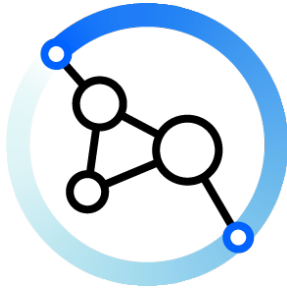
IBM Cloud

*API Connect Reserved
Instance is a managed single
tenant instance with ability to
add on-premise gateways*

API Connect v10 delivers significant value over previous releases

		v5	v2018	v10
Deliver new innovation	<ul style="list-style-type: none"> Multi-form API Management now including GraphQL support with schema import and inspection, governance policies, and portal socialization 			✓
	<ul style="list-style-type: none"> API test case generation and integration to CI/CD pipeline 			✓
	<ul style="list-style-type: none"> Next generation interactive API Debugger with policy tracing and performance analysis 			✓
	<ul style="list-style-type: none"> Enterprise secure and cloud native install experience on Kubernetes 		✓	✓
Standards	<ul style="list-style-type: none"> Stronger security to protect your APIs through TLS 1.3 			✓
	<ul style="list-style-type: none"> Build new APIs with the latest Open API 3.0 standard 			✓
Greatly improved gateway performance	<ul style="list-style-type: none"> Up to 10x better gateway performance when using the Native API Gateway 		✓	✓
	<ul style="list-style-type: none"> Up to 7x better performance even when using new emulation features to simplify upgrade 			✓
Delivers more value	<ul style="list-style-type: none"> Consistent user experience across Cloud Pak for Integration and IBM Product Portfolio 			✓
	<ul style="list-style-type: none"> Governance for universal policy enforcement through Global Policy pre-flow actions 			✓
	<ul style="list-style-type: none"> Automate Portal customizations, promotion with integrations in your DevOps 			✓
	<ul style="list-style-type: none"> Dynamic scale out of key API management components as cloud native technology helps automate scale and operations 			✓
More value in our platform	<ul style="list-style-type: none"> Event endpoint management: Socialize more types of endpoints consistently, now including Kafka Topics leveraging AsyncAPI in API dev portals easily discover & consume Automated API Testing with AI helps automate creation of tests to improve coverage 			V10 on CP4I 2021.x

What is API Connect?



The Scalable Multi-Cloud API Platform

An *award winning* complete, modern and intuitive API lifecycle platform to create, securely expose, manage and test APIs across clouds to power digital applications



Create

Automatically create APIs to expose data, microservices, enterprise applications and SaaS services.



Secure

Easily apply built-in and extensible policies to secure, control and mediate the delivery of APIs with unmatched scale.



Manage

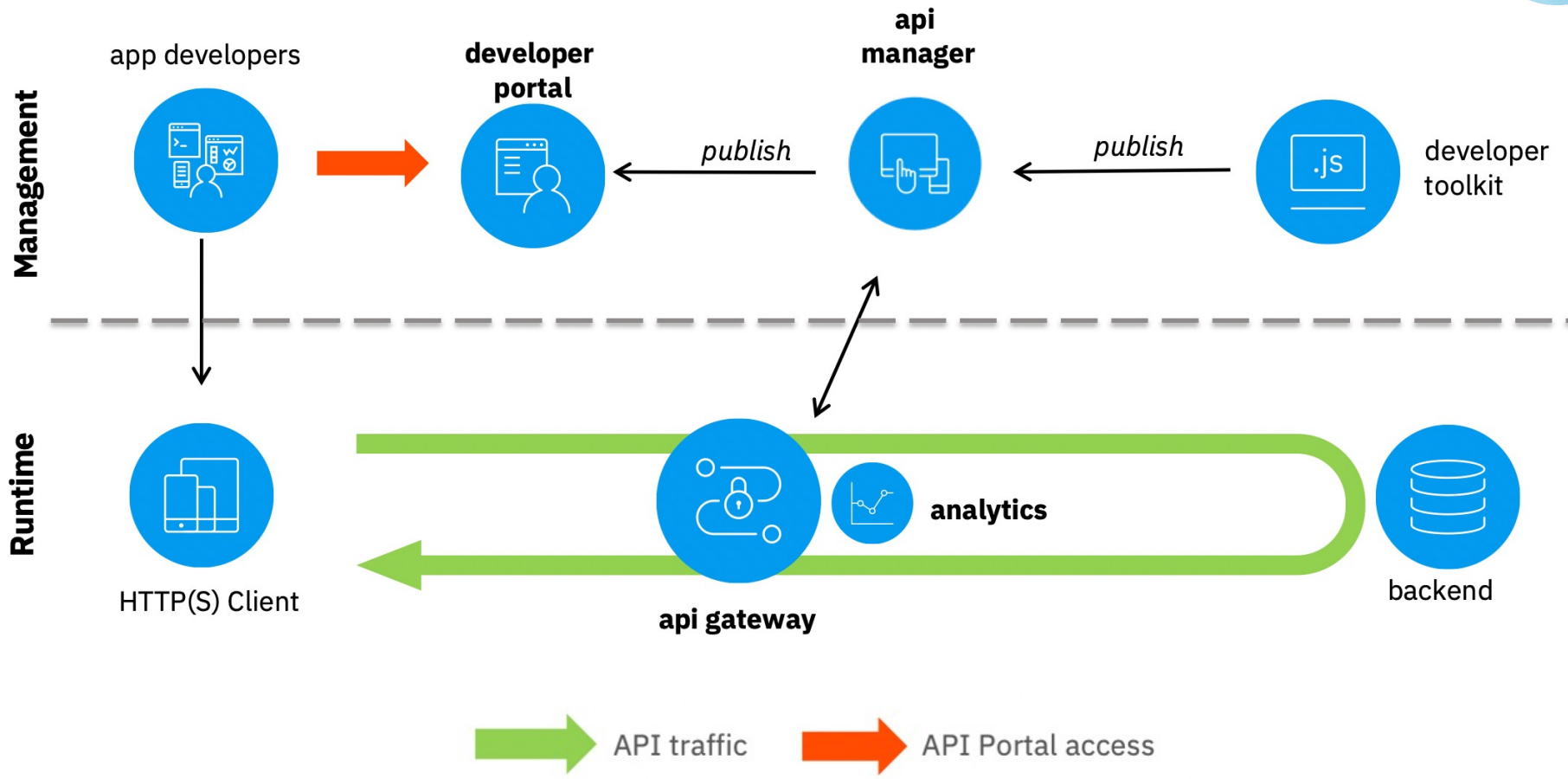
Rapidly publish, lifecycle govern, socialize and analyze with built-in capabilities.



Socialize

Empower internal and external developers to discover and use your APIs

API Connect - Components



API Connect v10 brings productivity benefits across the team



Build consistently higher-quality APIs by shortening test and debug cycles

API Developer



Build trust with your API Consumer by SLA Compliance

API Product Manager



Easier access to data and processes to build new applications

API Consumer



Streamline operations across their multi cloud and hybrid landscape

Dev-Ops



Design more timely and responsive solutions with event-based technologies

IT Architect

Lab Overview –

<https://integrationsuperhero.github.io/apic/>

Clusters

- Grievous
- Ventress

Password for all users:

TechCon2021S41

- ❑ Flight Schedule: Get your account assignment on our clusters
- ❑ Environment Flyover and Safety Check
- ❑ APIC Dev Jam Lab Instructions
 - ❑ Lab 1 : Create and Secure an API to Proxy an Existing REST Web service
 - ❑ Lab 2 : The Developer Portal Experience
 - ❑ Lab 3 : Add OAuth Security to your API
 - ❑ Lab 4 : Use Lifecycle Controls to Version Your API
 - ❑ Lab 5: Advanced API Assembly
 - ❑ Lab 6: Working with API Products
 - ❑ Lab 7: The Consumer Experience
 - ❑ Lab 8: Create and test GraphQL Proxy API

Trials

Standard Trial

60 day trial that can be used with any OpenShift installation. The software is installed using the standard installation procedures using the Entitlement Key provided by the trial.

<https://www.ibm.com/account/reg/uk-en/signup?formid=urx-46640>

Labs Trial

14 day trial on a pre-built OpenShift cluster, included as part of the trial.

<https://www.ibm.com/account/reg/us-en/signup?formid=urx-50122>

Red Hat Marketplace

The Red Hat Marketplace trial lasts for 45 days and can be used with any OpenShift installation that has been connected to the Red Hat Marketplace.

The software is installed through the marketplace using the global pull secret associated added by the Red Hat Marketplace configuration.

<https://marketplace.redhat.com/en-us/products/ibm-cloud-pak-for-integration>

Deployment Options

There are a variety of options for the deployment of Cloud Pak for Integration which are suitable for different use cases.

	OpenShift	Trial	Purchase	Image Access	Airgap supported
IBM Operator Catalog (Online)	Any internet connected cluster	Standard 60 days	Established sales channels	Pulled from Entitled Registry	No
Mirroring to local registry (Offline/Airgap)	Any cluster	Standard 60 days	Established sales channels	Mirror from entitled registry to local registry	Yes
Red Hat Marketplace	Any cluster that can be connected to the Marketplace	Through Red Hat Marketplace (45 days)	From Red Hat Marketplace	Pulled from Entitled Registry	No
IBM Cloud Catalog	Red Hat OpenShift on IBM Cloud, including Satellite locations	Standard 60 days	Established sales channels (no direct purchase through cloud catalog)	Pulled from Entitled Registry	No
AWS Quick Start	Installed as part of the Quick Start template.	Standard 60 days	Established sales channels	Pulled from Entitled Registry	No
Labs trial	Provided as part of the trial	Labs 14 days	n/a	Pre-built	No

See in action

Cloud Pak for Integration key new features



1. **Natural Language Integration** - Describe desired integration flow simply using natural language. [Demo](#)
2. **Transformation Generator** - Define the format of source and target data, and automatically generate the complex mapping transformation. [Demo](#)
3. **AI for API Testing** - Automatically observe API traffic in a prod environment, identify where it lacks test coverage, and build tests with no human input. [Demo](#)
4. **Mapping Assist** - Intelligent automation that maps a source to target using semantic understanding. [Demo](#)
5. **Cloud Native HA for MQ** - Automatically replicates message data between MQ cloud instances, maintaining continual availability of the messaging service- all without the cost and complexity of shared external storage. [Demo](#)

