IBM

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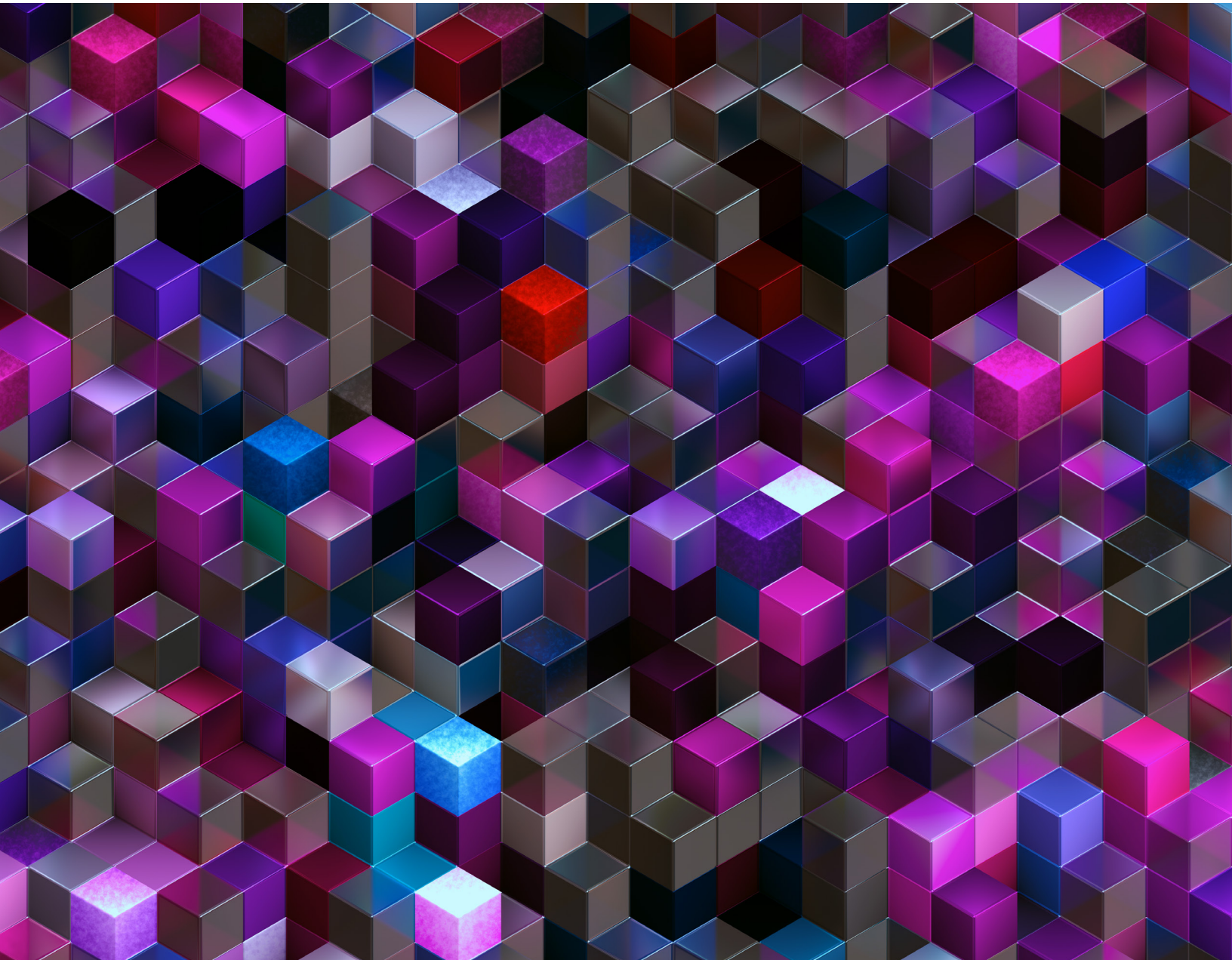
IBM Microservices and DevOps Platform for Oracle

Modernize and Scale your applications into multi Cloud with Oracle and Red Hat



In today's fast changing world the need for speed is paramount. Organizations need to be able to:

Drive change on a real-time basis

Automate delivery processes to promote frequent deployment cycles

Scale business functions selectively and on demand

Learn how **IBM Microservices and DevOps Platform for Oracle** can help your organization:

Modernize your on-premise application technology stack

Fit gap systems and processes that can be moved to cloud

Let's start your Oracle application modernization journey...

Application Development Requirements

There are three primary requirements to address from an application development perspective:

1. How to architect a system where the services are loosely coupled and can be deployed and scaled independently?
2. How to deploy efficiently and consistently in a distributed and diverse technology landscape?
3. How to automate the build, test and deploy cycles — allowing deployment of small changes multiple times and getting a quick customer feedback?

How Microservices and DevOps can help

Implementing a microservices based architecture, containerizing deployments and setting up DevOps pipelines are key to modernizing your on-premise Oracle applications.

Microservices help split an application into granular business functions.

Containers provide the virtualization necessary to deploy and run microservices efficiently.

DevOps helps automate the end-to-end delivery cycle.

IBM's Application Modernization Framework

IBM has the framework, based on Oracle PaaS, that helps apply these principles and best practices in an Oracle application setting. We will help you:

Extend core Oracle application functionalities by building microservices using standard platforms/frameworks/languages such as Node.js, Spring Boot or Python or Oracle's own Helidon framework

Integrate microservices with application endpoints via an API Gateway

Containerize microservices on Oracle Cloud Infrastructure using Oracle Container Engine for Kubernetes or on other clouds using Red Hat OpenShift

Set up DevOps toolchain, choosing from Oracle Visual Builder Studio or Jenkins and / or wrap around with Red Hat Ansible — to automate build, test and deploy cycles

What you'll get

The **IBM Microservices and DevOps Platform for Oracle** includes:

Prototype to help establish the first microservices based MVP with Oracle PaaS in 10 days

Foundational platform for cloud native development that can be ported to any cloud environment by one touch provisioning

Holistic point of view and solution approach to modernize, automate and scale out supported Oracle applications into multicloud using Red Hat technologies such as OpenShift and Ansible Tower

Selenium based framework to automate SaaS testing with DevOps

Full range of platform services including log management, service mesh, distributed tracing, observability and management

Why IBM

35
year partnership with Oracle

10,000+
dedicated Oracle consultants

2,000+
Oracle Cloud certifications

375+
Oracle Cloud-related go lives

6,500+
successful Oracle engagements

10+
Oracle-specific delivery centers Oracle Cloud Garage

Learn more

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