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
- Integrate microservices with application endpoints via an API Gateway
- Containerize microservices on Oracle Cloud Infrastructure or Red Hat Open Shift
- Set up DevOps toolchain, choosing from Oracle Developer Cloud, Red Hat Open Shift and Ansible Tower or other standalone open source tools such as Jenkins, 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
- Demo Oracle Cloud instance with microservice(s) built in for your MVP use case to modernize your application landscape
- Holistic point of view and solution approach to modernize, automate and scale out Oracle applications into multi cloud using Red Hat technologies such as Open Shift and Ansible Tower
- Selenium based framework to automate SaaS testing with DevOps
- Robust DevOps based methodology to develop apps with SaaS

Why IBM

- **33** year partnership with Oracle
- **2,000+** Oracle Cloud certifications
- **6,500+** successful Oracle engagements
- **15,800+** dedicated Oracle consultants
- **70+** Oracle specializations
- **10+** Oracle-specific delivery centers Oracle Cloud Garage

**Leader in The Forrester Wave™: Services Providers for Next-Generation Oracle Applications Projects, Q4 2018.**

ibm.biz/oraclewave2018

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