



Oracle Application Container Cloud Service

Provisioning of Micro Services

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Polyglot Platform



- Deploy applications to a selection of popular language runtimes
 - (initial support for Java SE und Node.js)
- Leverage unique Oracle Java SE features
 - Immediate access to platform upgrades, security, platform optimizations
 - Continued commercial support for Java SE versions
- Node access to Oracle DB with open source database driver

Open Platform



Apache



Jersey

jetty://



eclipse



VERT.X



HIBERNATE

GitHub



vaadin }>



spring

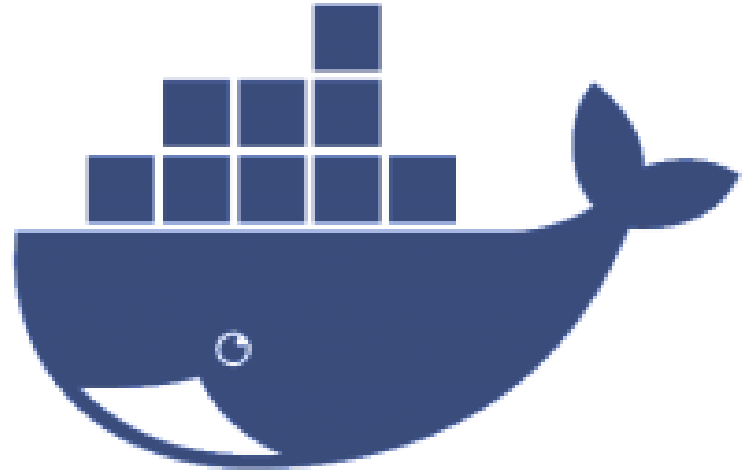
JRuby



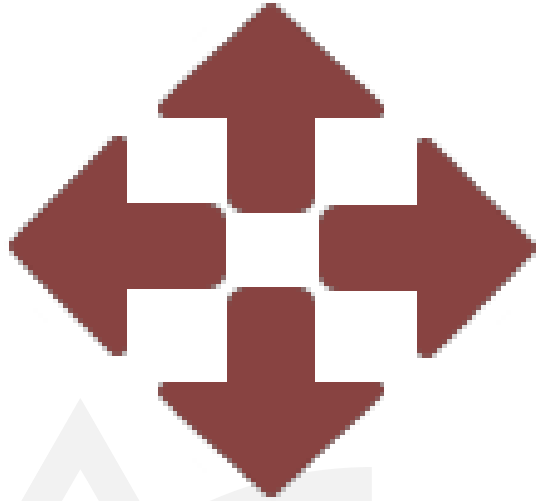
eclipse link

Container-base Application PaaS

- Applications run on Oracle Linux in Docker containers
- Stateless Applications
 - Ephemeral disk
 - Permanent storage through database or storage service



Elastic Scaling



- On demand elastic scaling either through the service console or using the service REST API
- Scale out / in
 - Add / remove application instances to handle workloads
- Scale up / down
 - Add / remove RAM to accommodate application memory requirements

Profiling

- Java application can use Java Flight Recorder to monitor application and JVM behavior and analyze in Mission Control
- Use Application Performance Monitoring Cloud Service for advanced use cases

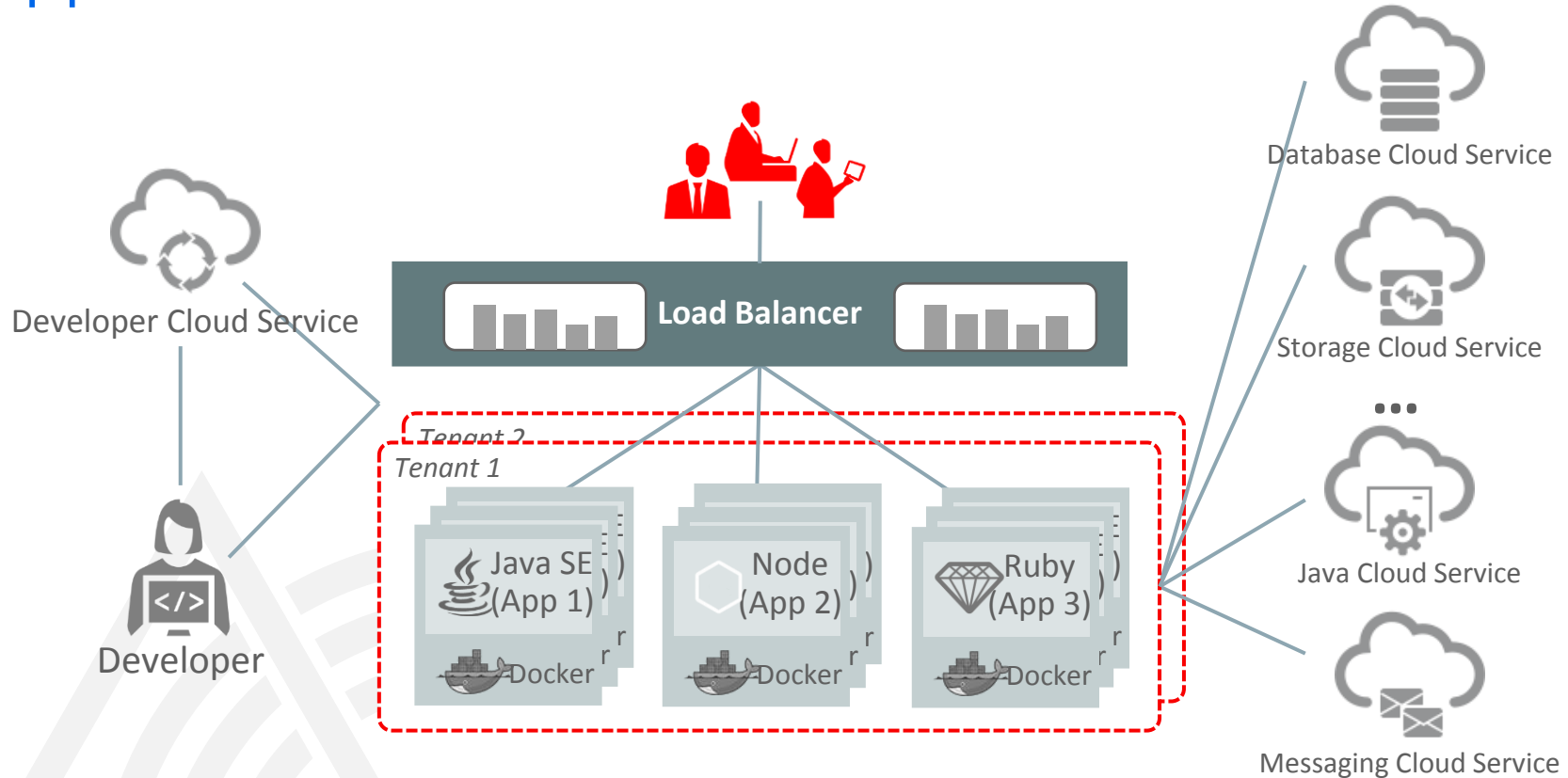


Managable



- New Java and Node releases published in the service console
- One-click upgrade to the latest releases – applications are simply restarted to upgrade to new runtime

Application Container Cloud Architecture







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