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Rapid CI/CD for Microservices Development on Cloud



developer.oracle.com

云端微服务开发的CI/CD

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日程

- 1 为什么选择CI/CD
- ² 甲骨文PaaS产品CI/CD解决方案
- 3 Twitter Feed功能开发案例

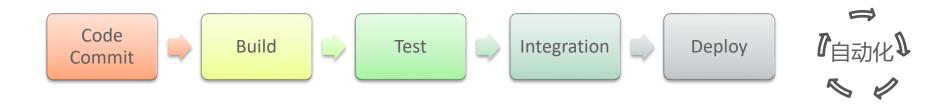
什么是CI/CD

持续集成 (Continuous Integration)

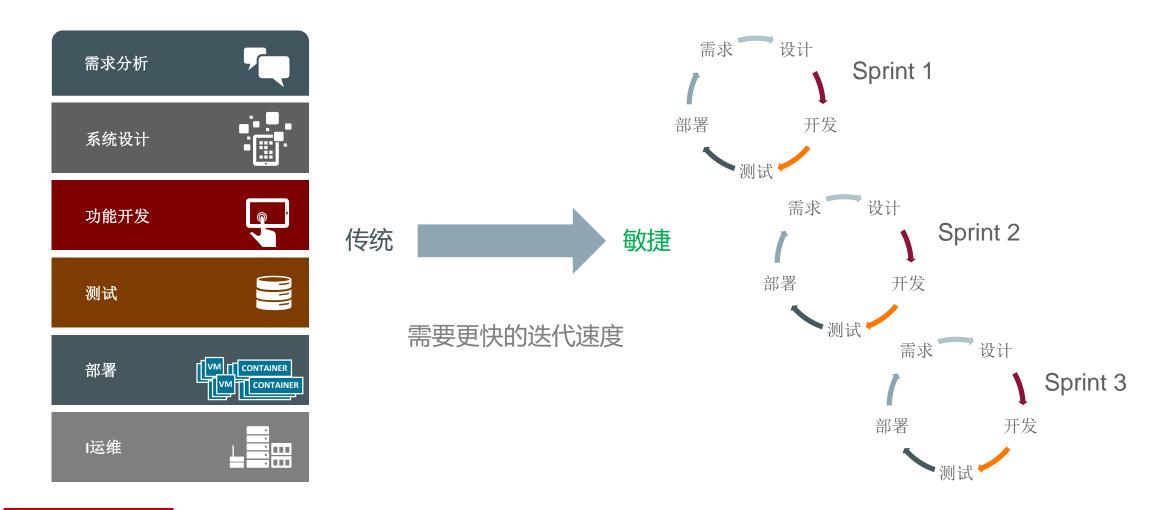


及时发现问题,及时修正 提高生产效率 改善项目质量 快速响应市场需求

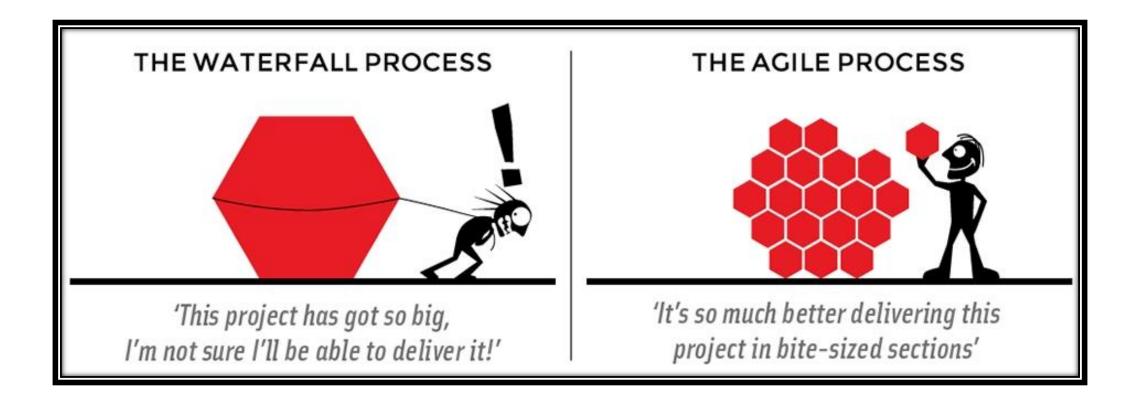
持续部署 (Continuous Deployment)



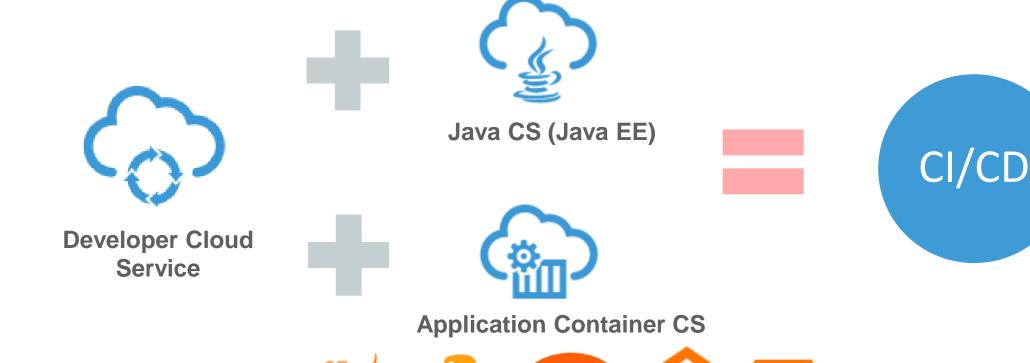
项目开发模式的转变

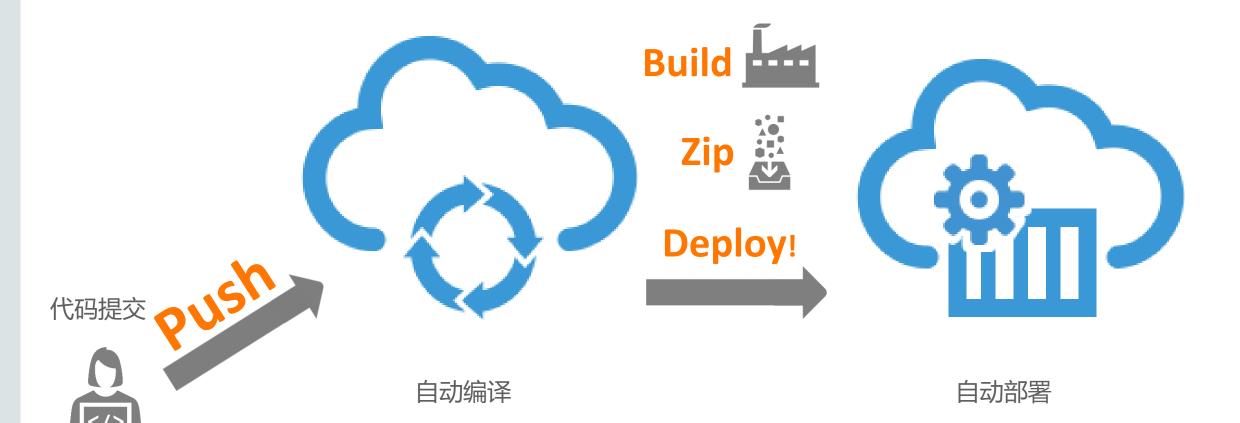


你会选择哪一个?



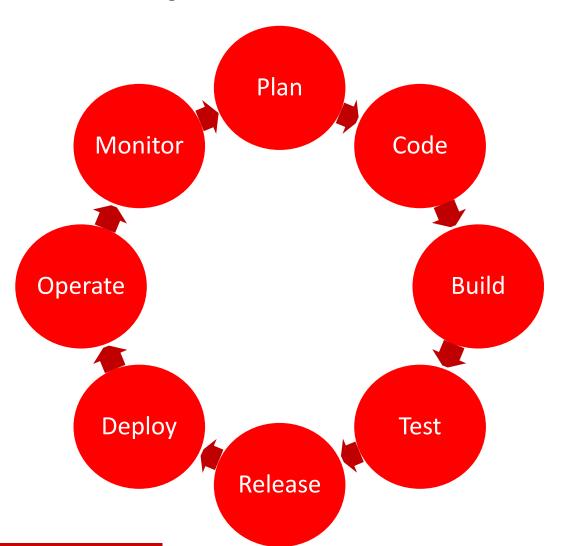
甲骨文PaaS产品CI/CD解决方案





Developer Cloud Service ()





Oracle开发云是对项目全生命周期管理的云平台

- 项目计划与管理
 - agile, task, team
- 代码管理 version, code review, change tracking
- 编译与交付 automate build, test, deliver, deploy
- 团队协作 wiki, webhook, web dashboard

Oracle Developer Cloud Service – What's In It

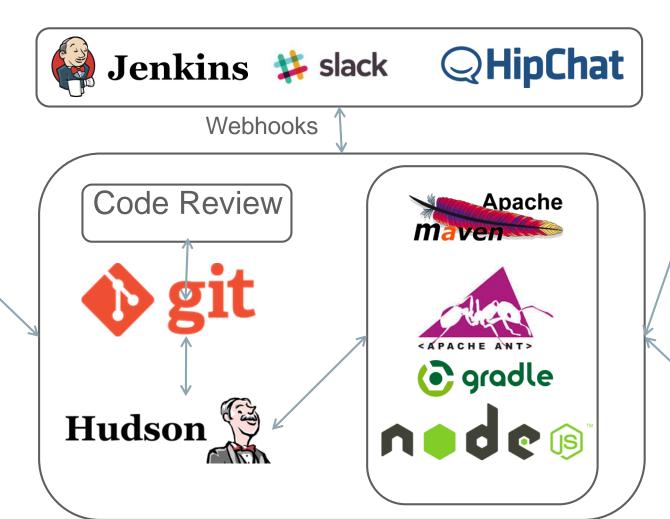
- Code/DevOps Management
 - Version Management Git
 - Build Automation
 - Ant, Maven, Gradle, npm, Grunt, Bower, Gulp, SQLcl, Shell
 - Test Automation
 - Selenium, JUnit, Findbugs
 - Continuous Integration Engine
 - Deployment Automation
- Team/Agile Management
 - Issues Tracking
 - Agile Process Management and Reports
 - Code Review
 - Wiki
 - Activity stream





Oracle Developer Cloud Service – Architecture





Cloud Services

On Premise Servers

Oracle Application Container Cloud

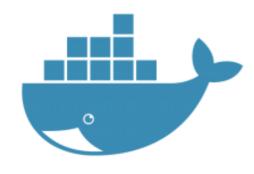


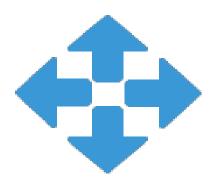
Docker Container-Based、 开放的、高可用的、支持多开 发语言的云应用部署平台

Oracle Application Container Cloud

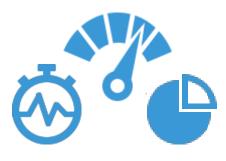








弹性扩展

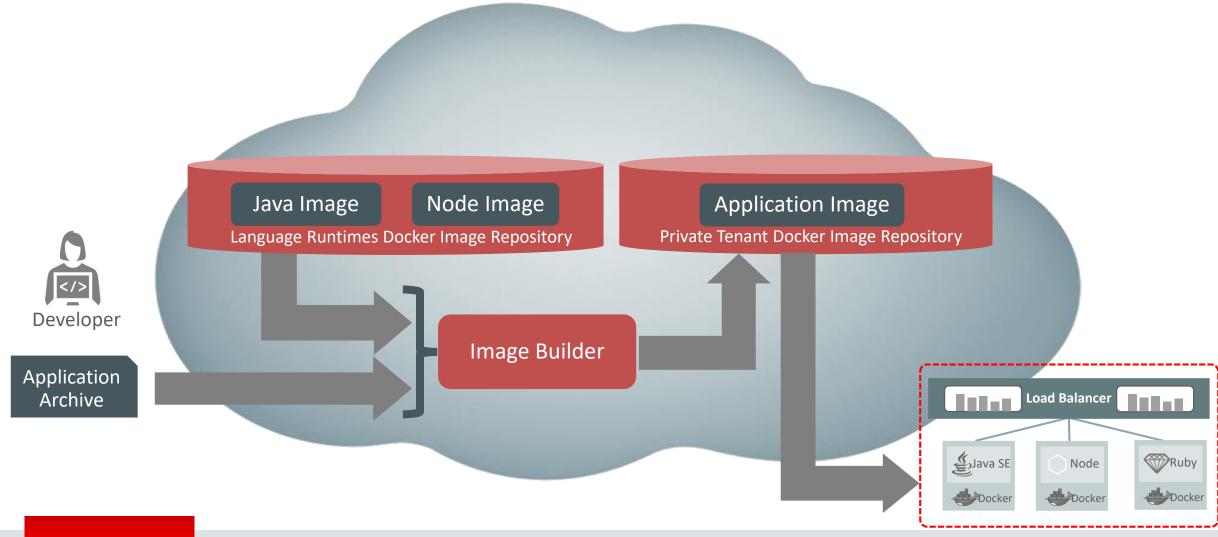


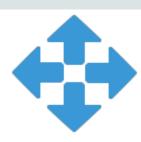


性能监控

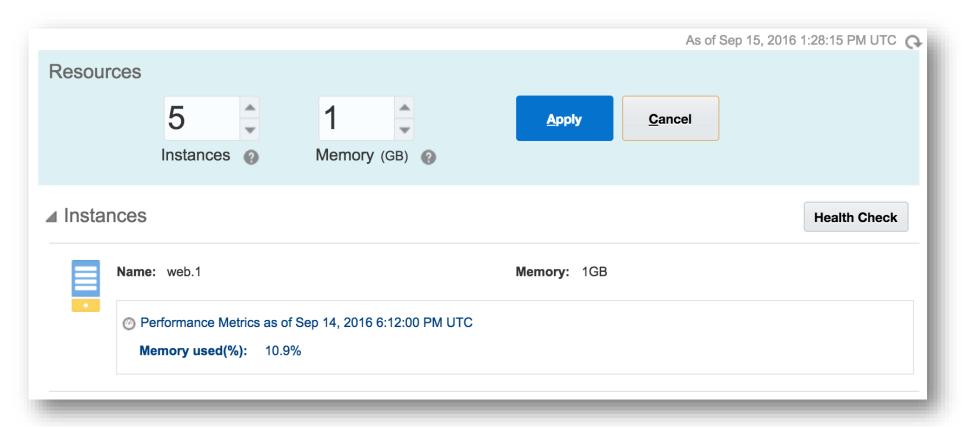
环境升级

Application Deployment





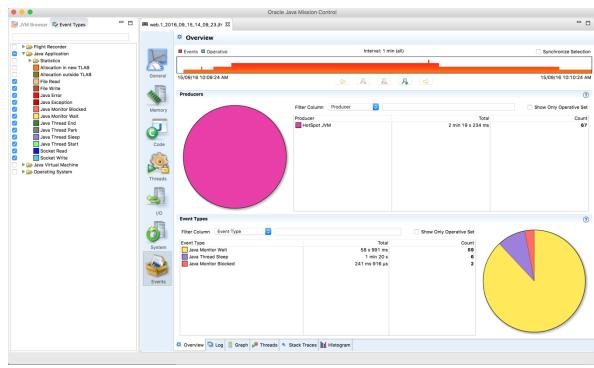
Elastic Scaling—Web, REST API, or Automatic* Scale Up/Down—In/Out





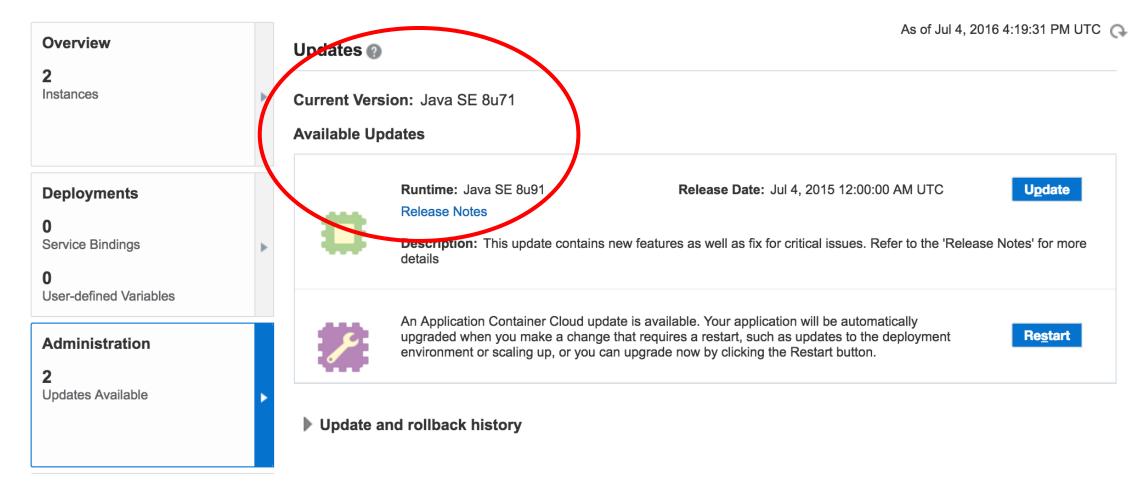
Java Flight Recorder & Mission Control





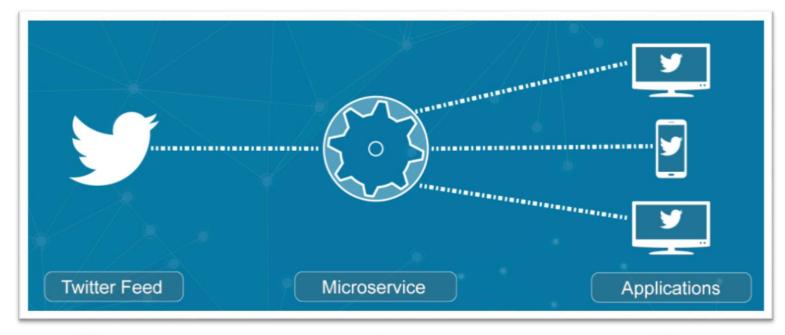


Update to new releases with single click (or REST call)





Twitter Feed 案例说明





项目经理 Lisa



服务端开发 Bala



前端开发 Join



Demo Step



- 创建项目和任务
- 分配任务
- 开启Sprint



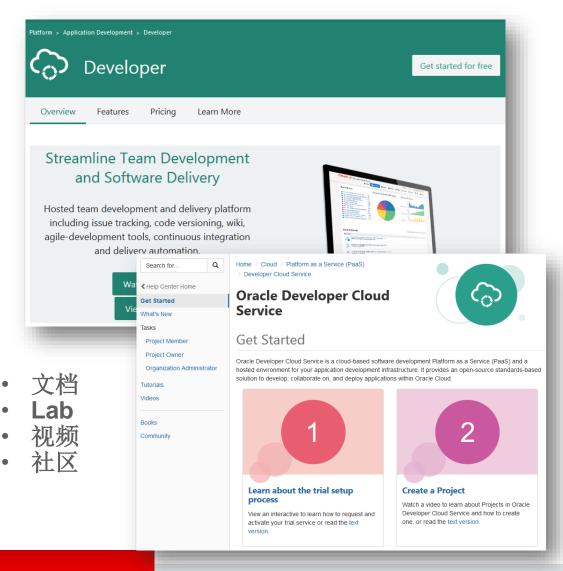
- 构建后端服务Git Repository
- 开发Twitter数据 Filter功能
- Merge开发分支到Master
- 应用部署



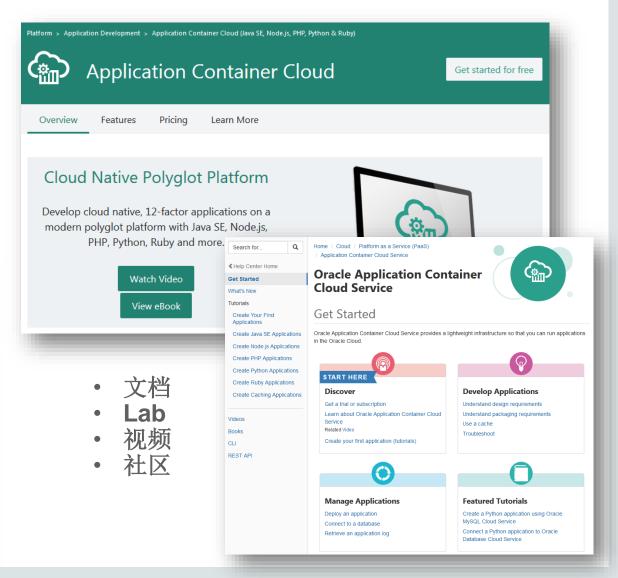
- 构建前端Git Repository
- 开发前端展示Twitter数据功能
- Merge开发分支到Master
- 发布应用
- 应用部署

Demo

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