Oracle Developer Cloud Service

Oracle Developer Cloud Service provides a complete development platform that streamlines team development processes and automates software delivery. The integrated platform includes issue tracking system, agile development dashboards, code versioning and code review platform, continuous integration and delivery automation, as well as team collaboration features such as wikis and live activity stream. With a rich web based dashboard and integration with popular development tools, Oracle Developer Cloud Service helps deliver better applications faster.

Modern Development Techniques

Modern development teams aim to deliver software in shorter cycles with better quality. Agile development methodologies help address changing business requirements quickly and accelerate turnaround time for delivering working software to customers.

The need to streamline software delivery through the development stages popularized techniques such as continuous integration and delivery automation. These techniques are frequently adopted to optimize the overall DevOps cycle.

Oracle Developer Cloud Service provides an integrated cloud-based platform that simplifies implementing these modern development and operation techniques.
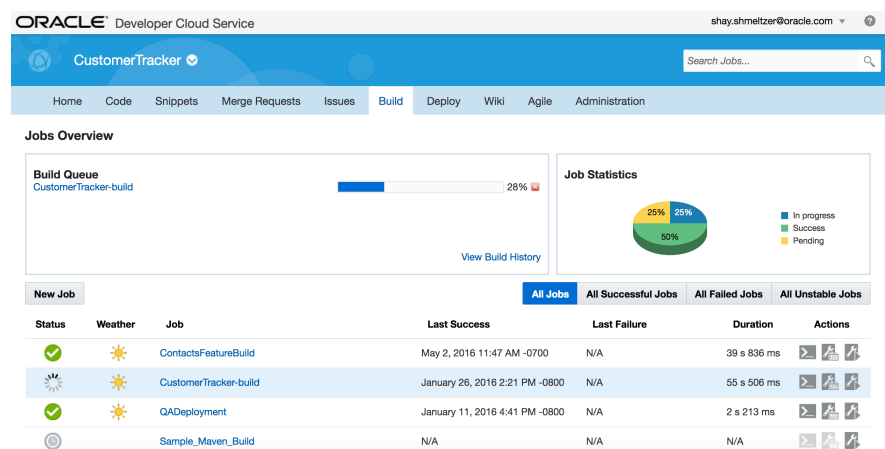
KEY FEATURES

- Cloud based platform with fast provisioning
- Build and deployment automation
- Issue tracking system
- Git based version management
- Peer code review system
- Agile sprint development process tracking with boards
- Automate deployment to Oracle cloud services
- Wikis and team activity stream
- Integration with popular development tools
- Standard-based interfaces to external systems

BUSINESS BENEFITS

- Produce better applications faster
- Eliminate setup and startup time
- Improve team collaboration
- Leverage integrated ALM solution
- Simplify team management
- Reduce maintenance costs
- Extend code accessibility
- Streamline cloud deployment

Figure 1. Build automation dashboard in Oracle Developer Cloud Service

Complete Application Lifecycle Support

Oracle Developer Cloud Service supports the complete development lifecycle including project planning, coding and code reviews, application testing, and code packaging and delivery – all with a set of integrated capabilities such as:

- **Task tracking system** – track issues, features, and tasks in a central repository. Assign tasks to team member, estimate the effort, and target tasks for specific software releases, then track the progress through the development process.
- **Agile and sprint planning boards** – create agile boards and track the execution of development sprints, the tasks associated with them, and the load across team members.
- **Code versioning repository** – Git based version management system manages your code revisions in central code repositories accessible to your developers.
- **Code review process** – give managers and team members the opportunity to review and comment on code changes before they are merges with the rest of the project.
- **Build servers** – define build scripts that automate such tasks as compiling, packaging and testing of your application source. With support for various popular build frameworks and development languages.
- **Tests Automation –** Integration with popular testing frameworks such as JUnit and Selenium enable you to automate testing of both the logic and UI of your application.
- **Automation server** – orchestrate, schedule, and automate build execution. Define triggers that will initiate build as well as dependencies between builds.
- **Deployment automation** – automate deployment of your code to Oracle cloud services with ease.

The integration between all the components allows you to track tasks from their inception stages through their development, test and all the way to the final deployment.
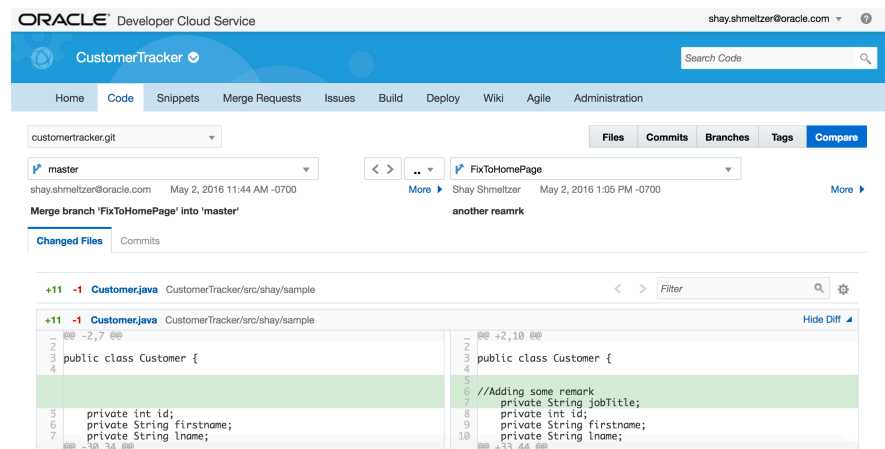

Figure 2. Code compare between code branches

Enhanced Team Collaboration

Communication between team members is an essential component to successful development teams. Oracle Developer Cloud Service helps team member share their knowledge and track project progress with:

- **Wiki** – create web pages that contains information that needs to be shared among team members. Add attachments to create a repository of team knowledge.
- **Activity Stream** – Live dashboard shows you the latest activity in the project. See exactly who did what and when and have the latest information at your fingertips.
- **Code Review** – Team members can request code review from their peers to help them create better code. The team members can comment on the code to share their advice and practice peer programming approach.

Development Process Management

Keeping track of the execution of project tasks help deliver applications on time with the right scope defined. Oracle Developer Cloud Service includes functionality that helps teams organize and track development tasks execution with:

- **Issue tracking system** – track your to-do items, prioritize, assign to team members, and estimate the required time.
- **Agile dashboards** – Track team's backlog and specific development sprints. Track and update the status of each task in a sprint with a view of ownership and status.
- **Reports** – see the activity of various team members in charts that help you plan the development process for future sprints.
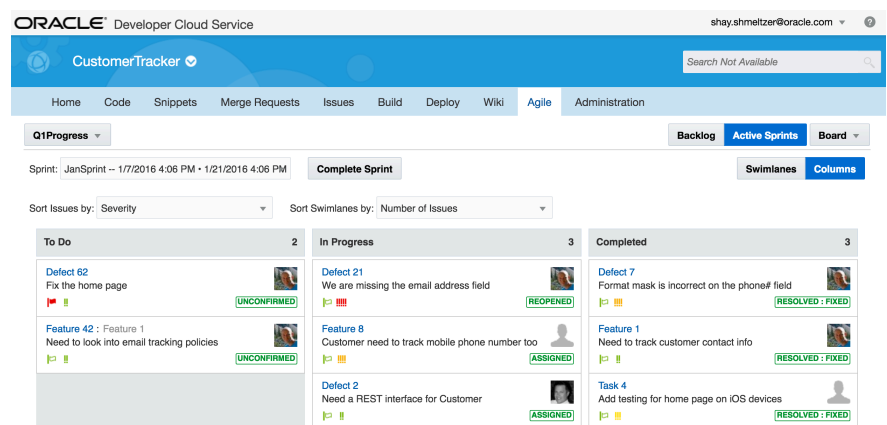

Figure 3. Spring dashboard showing tasks status

Simple to Provision and Integrate

The cloud-based architecture of Oracle Developer Cloud Service allows you to get started and provision environments to your team in minutes. With a comprehensive web dashboard, all the operations related to your development management are available from anywhere.

Built in integration is available in Eclipse, NetBeans and Oracle JDeveloper allowing developers to directly interact with the various features of Oracle Developer Cloud Service directly from inside the development environment. In addition developers can check code in from any other tool or environment supporting Git command lines.

Oracle Developer Cloud Service provides open interfaces that allow you to integrate with existing solutions that your team might be using. Through open standards such as Webhooks, REST and SSH Oracle Developer Cloud Service can interfaces with external code and task repositories as well as other team tracking services.

Oracle Developer Cloud Service supports defining build procedures for polyglot environment supporting a variety of popular build frameworks such as Maven, Ant, Gradle, npm, Grunt, and Bower.
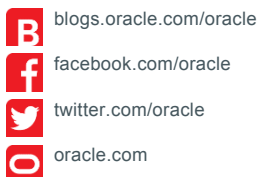
Summary

With a cloud-based platform that integrates the full application lifecycle management with continuous delivery, Oracle Developer Cloud Service offers an easy way to modernize development process resulting in better applications delivered faster.

CONTACT US
For more information about Oracle Developer Cloud Service, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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