Application Release Automation for Oracle Cloud Platform

MyST provides companies with visibility, automation and control to deliver solutions on the Oracle Cloud Platform faster, more frequently and with less risk.

Innovation is driving business growth

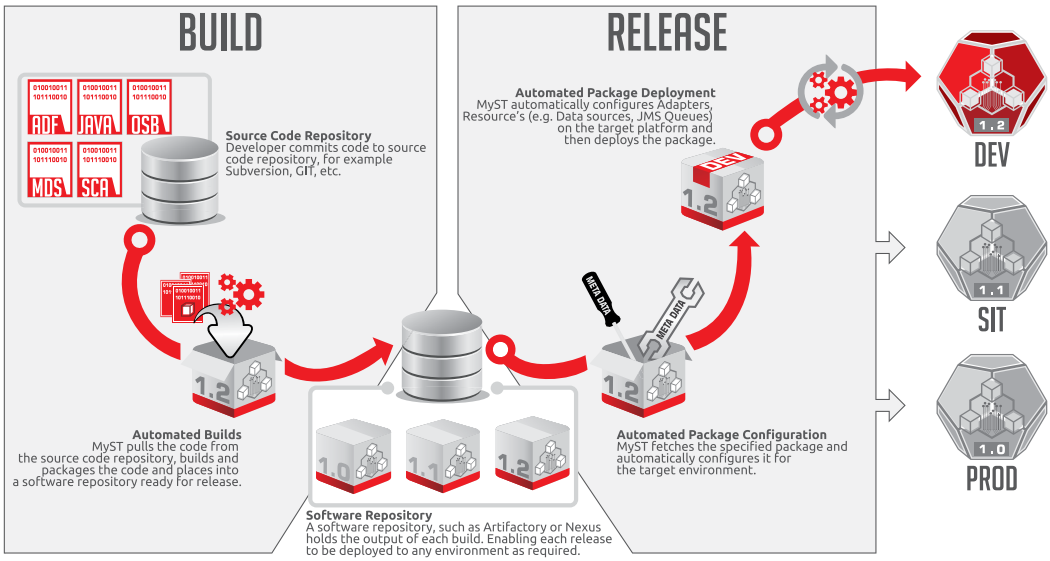
Organizations are in a digital race, where the speed at which IT can reliably deliver new features and innovations is what sets them apart from their competition. To address this need, IT teams are adopting the Oracle Cloud Platform as part of their strategy to deliver solutions faster and more frequently to the business.

The breadth of evolving capabilities provided by the Oracle Cloud, make it very easy to rapidly assemble capabilities/functionality to deliver a seamless and unified experience to the customer. This means that the application delivered to the customer, often comprises a combination of Cloud services. For example, a common requirement is to pull together components from the UX, process, integration and microservice layer – Visual Builder, Process, Integration and Application Container CS.

However, coordinating, tracking and managing the deployment and configuration of multiple artifacts across each individual Oracle Cloud Platform service from development into production requires many manual steps, making the process slow and error-prone. In addition, it can be challenging to keep track of which versions of each developed artifact is deployed to each cloud environment from development through to production. Making it difficult to validate, govern and control the promotion of releases through to production.

Application Release Automation for Oracle Cloud

Designed specifically for Oracle Cloud Platform, MyST is the most advanced low code Application Release Automation Delivery solution for rapid development, low code environments such as ICS, PCS, VBCS and MCS. It enables you to quickly establish a standardized, repeatable and automated process across your organization for the deployment and configuration of applications built on the Oracle Cloud Platform, at each stage in the Software Delivery Lifecycle. All with **Zero Scripting.**



BENEFITS

- Speed-up time to market by accelerating the pace of development through automation
- Reduce risk by automating and standardizing Oracle Cloud Platform deployments
- Significantly increase developer productivity by improving efficiency and eliminating configuration defects
- Improve application quality and stability through frequent releases
- Reduce application deployment time by up to 95%
- Full visibility into the release pipeline, enables you to track deployments across all environments
- Greatly reduce the number of errors and significantly lower the risk of failed Production deployments

FEATURES

- Easy to use graphical editor for platform configuration and deployment automation
- Declarative automation means no workflow or scripts to create and maintain
- Application Blueprints give you full control over which components make up a release
- Dashboard provides a 'single pane of glass' to monitor and manage application releases, with full governance and control
- Out-of-the-box audit reports to achieve internal and industry regulatory compliance
- Role-based security and approvals
- SDK allows you to quickly extend MyST to support additional Oracle Cloud Services, including SaaS
- Automatically trigger functional and non-functional tests

MyST shifts the experience from a slow, resource intensive and highly error prone process to a fast, reliable and low risk process that can be performed in a fraction of the time.

Declarative Application Deployment

MyST uses a declarative approach to automation, meaning users simply define the target state of the application to be deployed; which, at the push of a button, is automatically deployed by MyST.

Within MyST, Application Blueprints are used to (1) define the cloud artifacts to be deployed, (2) the configuration requirements for each artifact and (3) any configuration changes to be applied to the Oracle Cloud Service instances.

The Property Registry provides an easy way to manage property values which are environment dependent. This enables seamless automated deployments across test and production environments. Application Blueprints and Property Values are version controlled, providing complete control over all configuration changes.

The declarative approach means incremental changes are simple to make and propagate across all environments. Users just update the required target state; MyST will determine and perform the required steps to apply the necessary changes.

MyST's low code approach means there is no need to maintain complicated scripts or workflows for each deployment instance, eliminating errors and simplifying on-going maintenance.

Repeatable, Reliable Process for Deploying Releases

MyST Release Pipelines allows you to establish a standardized process for automating the deployment of Oracle Cloud applications through each stage of the software delivery lifecycle.

The powerful configuration management features in Release Pipelines enables you to combine multiple applications into a single release, as well as deploy a release across multiple Oracle Cloud Services, such as VBCS, MCS, PCS, ICS and ACCS.

The Release Pipeline Dashboard provides a 'single pane of glass' to monitor and manage the promotion of application changes and platform configuration changes through staging environments and into Production.

Governance and Control

Fine-grained, customizable permissions and approvals provide gating that lets you control who can approve and promote releases into each environments. In addition, automatic audit trails ensure you can meet compliance and governance requirements.

Support for Oracle Cloud Platform

MyST supports an ever expanding list of Oracle Cloud Services, including Integration, Process, Visual Builder, SOA, Java and Application Container Cloud.

Cloud Plugin SDK

The MyST Cloud Plugin Software Development Kit (SDK), allows companies to build additional plugins to quickly extend MyST to support additional Oracle Cloud Services, including Applications (SaaS).

End-to-End Traceability

MyST provides an inventory that shows which applications, artifacts and configurations have been deployed to each Oracle Cloud environment along with dates, times, and versions.

This provides end-to-end visibility and traceability from the version of the artifact deployed in each environment back to the revision of the source code used to build that artifact. As well as allowing detailed comparisons between what is deployed in each environment in the Release Pipeline.

Integrates with Oracle Developer Cloud

MyST can be coupled with the Oracle Developer Cloud Service to streamline software delivery and application release automation for the Oracle Cloud Platform.

Reduce Risk, Decrease Costs, **Speed Up Time To Market**

Designed specifically for Oracle Cloud Platform, MyST provides companies with visibility, automation and control to deliver Oracle Cloud solutions faster and with less risk.

Inland Revenue
Te Tari Taake

"Without MyST we would not be able to deliver against our aggressive timelines for our large scale JCAPs migration. Using MyST to automate our processes, we can provision, build and deploy 1300+ releases across our 9 environments in ~3 months."

Program Director, Inland Revenue, New Zealand