

Continuous Delivery for Oracle Middleware



Myst Software provides companies with visibility, automation and control to deliver Oracle Middleware applications faster and with less risk.

Innovation is driving business growth

To be competitive, organizations are looking to use technology to drive innovation into their products and services, and simultaneously deliver efficiencies. As a result, organizations find themselves 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.

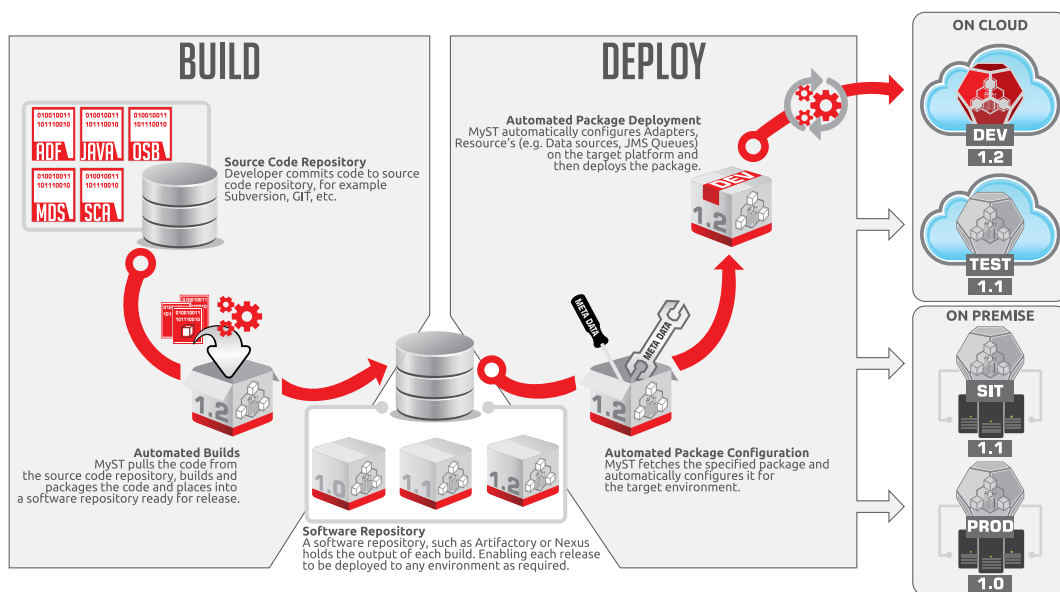
Development teams are adopting agile practices in an attempt to deliver solutions faster and more frequently into Production. Existing manual and semi-scripted approaches for deploying Oracle Middleware code are slow, error-prone and cannot keep up with the growing number of deployments required to support the frequency and volume demanded by agile development.

This is further compounded by the fact that in most organizations there are different individuals and teams performing these tasks in each staging environment, often using different processes, all of which creates additional risks and delays.

Continuous Delivery for Oracle Middleware

MyST is the most advanced and intuitive Continuous Delivery solution for Oracle Middleware. It enables you to quickly establish a standardized, repeatable and automated process across your organization for the build and deployment of Oracle Middleware applications, at each stage in the Software Delivery Pipeline.

All with **Zero Scripting**.



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.

BENEFITS

- Speed-up time to market by accelerating the pace of development through automation
- Reduce risk by automating and standardizing Oracle Middleware application deployments across cloud and on-premise
- 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
- Integrates easily with existing tools in your environment like Jenkins, Git, Artifactory and Puppet
- Automatically trigger functional and non-functional tests

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 artifacts to be deployed, (2) the configuration requirements for each artifact and (3) the configuration changes to be applied to the Oracle Middleware platform.

Application Models allow you to specify properties that are environment dependent, which enables seamless automated deployments across test and production environments. Application Blueprints and Models 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. With MyST 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's Release Pipelines allows you to establish a standardized process for automating the deployment of Oracle Middleware 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 WebLogic domains.

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.

Integrates with Existing Build Processes

MyST has plugins for popular continuous integration tools, including Jenkins, Git, TeamCity and Bamboo; allowing you to seamlessly integrate MyST into existing build processes.

The output of each build is stored in a software repository, such as Artifactory or Nexus. MyST automatically tracks artifact versions as they change, including the revision of the source code used for each build.

End-to-End Traceability

MyST provides an inventory that shows which applications, artifacts and configurations have been deployed to which environments 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.

Reduce Risk, Decrease Costs, Speed Up Time To Market

Designed specifically for Oracle Middleware, MyST help teams deliver better results from their Agile, continuous delivery, DevOps and test-driven development initiatives.

MyST provides companies with visibility, automation and control to deliver Oracle Middleware solutions faster and with less risk.



Inland Revenue
Te Tari Taake

Read the case study:

www.mystsoftware.com/case-studies/nzird



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