

# Moving Dev/Test to the Cloud



MyST enables organizations to take advantage of the cloud to accelerate the delivery of Oracle Middleware applications.

## 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. While it's clear that technology must be at the center of innovation, IT itself can be a barrier, often failing to deliver the required transformations either on-time or on-budget.

Development teams are adopting agile practices in an attempt to deliver solutions faster. Yet are often blocked by the capacity of IT Operations to provision "Production like" Dev and Test environments in a timely way. Research shows, moving Dev/Test to the cloud can reduce development time by an order of 11 to 20 percent, with some projects experiencing 30%+ time savings.

### Enviroments On-Demand

Oracle Middleware in Minutes

### Reduce Operational Cost

Dispose when no longer required



### Infrastructure as Code

Deploy to a known state, quickly

### Adopt DevOps Practices

Enables Agile Development

## BENEFITS

- Reduce development time by an order of 11 to 20 percent
- Deliver "Production" like environments, on-demand, in minutes
- Reduce infrastructure and operational costs by disposing of environments when no longer required
- Automate and standardize Oracle Middleware application deployments across cloud and on-premise
- Reduce application deployment time by up to 95%
- Reduce errors caused by configuration drift by up to 95%
- Single consistent process for application deployment across the enterprise while maintaining governance and control
- Full visibility into the release pipeline, enables you to track deployments across all environments

## Delivering Dev/Test in the Cloud has Challenges

The **promise** of cloud is that development and test environments are delivered as a service on demand, ready to consume. The reality is not so straightforward - replicating existing manual and semi-scripted approaches to configure and set up cloud infrastructure that mirrors your on-premise production environment is time-consuming, error prone, and does not scale.

On the path to production, application code will often be deployed 100s of times into Dev and Test environments. When performed manually, this process is highly error prone and inconsistent, adding both additional cost and time to a project. This is compounded by the fact that in most large organizations different teams are performing these tasks in each environment.

To unlock the commercial and speed to market benefits of developing in the cloud, the process of taking code developed and tested in the cloud and deploying it on-premise needs to be frictionless. The two key prerequisites to achieving this are, consistent environment configuration across cloud and on-premise and having a standardized automated process for building and deploying code across all environments.

## FEATURES

- Easy to use graphical editor for platform configuration and deployment automation
- Self-service platform provisioning, configuration and deployment, with full governance and control
- Dashboard provides a 'single pane of glass' to monitor and manage application releases
- 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
- Cloud independence, allows you to move your Oracle middleware across different cloud providers

## Oracle Middleware Platform Configuration... **Automated**

MyST delivers automated platform provisioning and configuration for Oracle Middleware, on-cloud and on-premise.

MyST uses a declarative approach to automation, meaning users create a “platform definition” that defines the desired goal state of your middleware platform; which, at the push of a button, is provisioned and configured by MyST.

Within MyST, the “platform definition” is divided into two layers. First, the Platform Blueprint defines an environment agnostic topology/configuration and abstracts out the target infrastructure. The second, the Platform Model, overlays the environment specific configurations.

To make platform configuration changes, users just update the definition; MyST will perform the required steps to upgrade an environment. Blueprints and Models are version controlled, providing complete control over all configuration changes.

This approach enables you to provision and maintain a consistently configured middleware platform across all environments, on-premise and cloud. Configuration drift becomes a thing of the past, through MyST comprehensive configuration governance and role based access controls.

## Application Deployment to the Cloud

MyST leverages declarative deployment to fully automate the deployment and configuration of your Oracle Middleware applications.

Application Blueprints are used to define the artifacts that make up your application, configuration requirements for the artifacts as well as configuration changes that need to be applied to the Oracle Middleware platform. Application Models are used to capture environment specific values.

## Repeatable, Reliable Process for Deploying Releases

Within MyST, Release Pipelines allow you to quickly establish a standardized process for automating the build, deployment and configuration of Oracle Middleware solutions on-premise and in the cloud.

The powerful configuration management features in Release Pipelines enable platform configuration-only deployments as well as combining multiple applications and configuration deployments into a single release.

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

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

Fine-grained, customizable permissions and approvals provide gating that lets you control who can approve and promote releases into each environment. With automatic audit trails ensuring you remain compliant.

## Summary

To successfully move Dev/Test workloads to the cloud, requires organizations to change existing build, deployment and configuration practices.

MyST, the leading DevOps solution for Oracle Middleware, enables you to deliver Oracle Middleware solutions in a consistent, repeatable and scalable manner to local, dedicated and shared cloud environments, allowing enterprises to take advantage of the cloud to further accelerate delivery to market.

“ We went from waiting 2-3 months to get a development environment to same day... this plus the Continuous Delivery capability was key to the project delivering on time. ”

**Project Manager**, Leading Australian Bank