Automic™
RELEASE AUTOMATION
Oracle SOA

Key Benefits

- Standardize the efforts of developers, QA engineers and system administrators to deploy, test and run applications by including Oracle SOA services as part of deployment pipelines or preapproved, self-help runbooks.

- Make Oracle SOA application deployments portable across the enterprise.
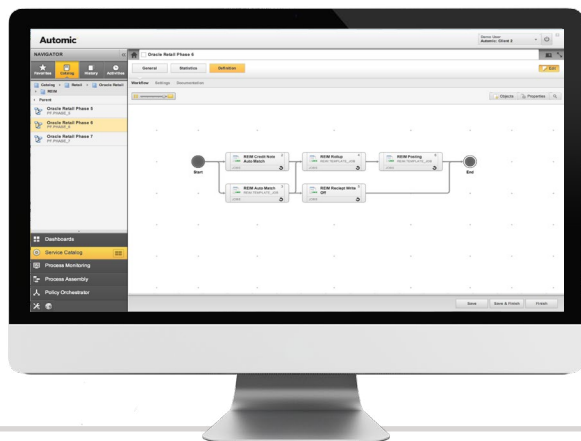
- Accomplish tasks such as starting, stopping, activating and deploying Oracle SOA applications.

Orchestrate Oracle SOA applications along with all the other moving parts – people, process and technology – as part of an automated Continuous Delivery practice

Business Challenge

Today, many companies are looking to simplify the deployment of their middleware-based, composite apps – they want a shorter time to value. Oracle SOA Suite enables developers to set up and manage services and to organize them into composite applications or business processes. The challenge, however, is that application deployment processes need to be predictable and repeatable. Having IT professionals perform deployment tasks with command line arguments or shell scripts introduces the risk of human error, keeps these professionals away from performing innovative or value-added tasks, makes troubleshooting less predictable and reduces compliance control and standardization.

The Automic Solution

The Oracle SOA Package for Automic Release Automation allows you to define an Oracle SOA deployment best practice that is repeatable, auditable and can be used by any authorized personnel – even nontechnical ones.

How It Works

Automic Release Automation combines an integrated application packaging system, smart deployment models, and out-of-the-box actions for common deployment tasks with robust workflow design and high volume execution capability. The Automic Oracle SOA Package allows users to activate/deploy/undeploy or start/stop applications. Optimized for enterprise environments, Automic Release Automation accelerates and standardizes a deployment pipeline that provides Continuous Delivery for modern digital apps and core backend business apps (including COTS software). Several key capabilities make Automic Release Automation the most advanced and complete solution on the market:

Application Modeling

Automic Release Automation provides companies with the flexibility to define an application, represented in a logical model. This model is an abstraction from the physical architecture of the app allowing it to be deployed at any scale whether local or distributed. Additionally, each modeled component of an application can be controlled with RBAC, allowing for more constructive collaboration between Continuous Delivery contributors.

Package Promotion

Automic Release Automation organizes application changes into versioned packages that are tracked and provide authorized promotion up through environments. You have visibility into your deployment pipeline, knowing what version of which application component is deployed in which environment.

Workflows

A workflow editor provides an integrated browser-based canvas with drag-and-drop actions and step-order control features.

Out-Of-the-Box Oracle SOA Actions

- Oracle SOA Activate Application

- Oracle SOA Deploy Application

- Oracle SOA Start Application

- Oracle SOA Stop Application

- Oracle SOA Undeploy Application

Deployment Models

Automic Release Automation separates application deployment architecture and environment configuration information into different models to promote the portability of application deployments. Both models will be broken down by RBAC for various Continuous Delivery contributors to ensure that only the right contributors own and control the values of their domain-specific role. Modeling information and access this way provides controlled collaboration with the flexibility to scale the deployment automation pipeline across the modern enterprise.

Snapshot and Compare

A unique 'Snapshot' mechanism lets users compare configurations and file contents between environments and across time. Snapshot comparison helps to reduce the mean time to resolution (MTTR) in resolving configuration discrepancies or application behavior between different environments such as development and QA.

Why Choose Automic?

Automic Release Automation enables the modern enterprise to drive agility and speed for upgrades of core business apps and enhances the stability and reliability for production releases of front-office digital apps. Regardless of app complexity or environment location (on-prem, public/private/hybrid cloud, Docker, etc.) deployment frequency and safety will increase and the DevOps toolchain will be coherently orchestrated. With Automic Release Automation, organizations can:

• Follow Automic's Practical Blueprint to Continuous Delivery across all applications.

• Visualize the deployment pipeline of all applications.

• Deploy to public, private, hybrid cloud or container environments from a multi-tenant platform.

• Harness the power of the Automic Marketplace to download seamlessly-published, community-developed actions, processes or extensions.

• Participate in Automic's DevOps Maturity Assessment. Enterprises can benchmark themselves against the Automic standard, or against their peers, their industry, their region or globally.