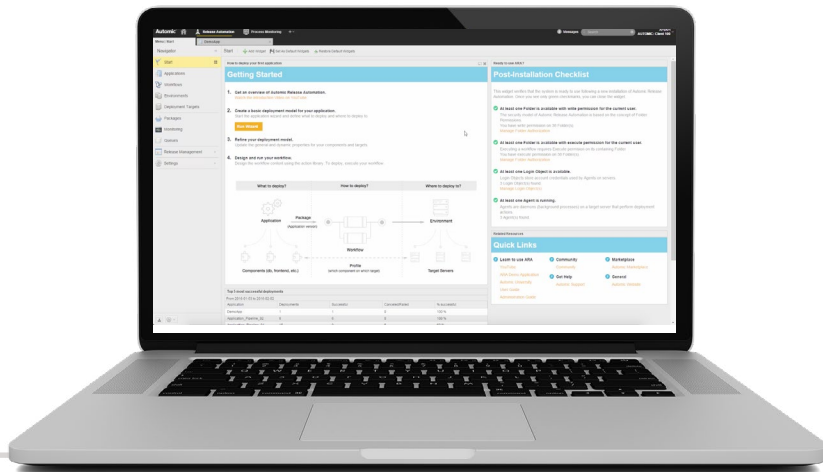# Automic Release Automation for .Net

Key Benefits

- Deploy .Net updates in a matter of minutes
- Reduce planned and unplanned downtime
- Deploy the right artifacts and configuration settings for each environment at any level of complexity
- Prevent unauthorized access to production environments
- Free administrators and developers from release and deployment tasks

Orchestrate all the moving parts – people, process and technology – involved in .Net deployment and release

Business Challenge

.Net application development and operations teams are being forced to change their working practices to facilitate growth and innovation whilst maintaining compliance. Unified development and operations teams are focused on delivering more application releases faster while protecting production environment integrity.

Deploying and managing a .Net environment may look simple, but at the core of each enterprise environment are IIS and SQL Server Administrators. Deployments can be complex, and between the many dependencies, things easily go wrong. And that's why long nights and weekends are taken up handling assemblies, making sure of GAC registrations, configuring IIS and managing the back end database on each production deployment. Not to mention the multitude of test and development environments, with their reliance on TFS and continuous integration requirements.

The Automic Solution

Automic Release Automation for .Net provides a dedicated library of .Net actions that allows you to build visual workflows to fully automate all of your .Net deployment along with most administration tasks – putting a lot of valuable time back into the hands of administrators, but also assuring that fewer errors occur.

How It Works

Automic Release Automation for .Net 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. Automic Release Automation for .Net allows users to monitor and control real-time deployments and provides complete release reporting. Optimized for enterprise environments, Automic Release Automation for .Net accelerates .Net deployments, ensures quality releases, and minimizes downtime to help both development and operations enable business growth.

How We Do It

Several key capabilities make Automic Release Automation for .Net the most advanced and complete solution on the market.

Packaging System

A unique Packaging System lets users manually or automatically create user application artifact packages as part of the build process, which are ready to deploy as a single unit. Packages are promoted across environments and tracked by the system, so users always know which versions have been deployed and where.

Workflows

A workflow editor provides an integrated browser-based canvas with drag-and-drop actions and flow control features. The workflow editor provides workflow versioning and user access management, supporting hundreds of developers in parallel with application and componentcentric views.

Out-Of-The-Box .Net Actions

Workflows are assembled from a library of built-in actions, which replace manual deployments and scripts. The library consists of hundreds of actions for generic deployment tasks, with specific .Net actions that allow you to:

- Automate SQL Server:
  - Users
  - Roles
  - DBs
  - Logins
  - Backups
- Automate Windows OS
  - Services management
  - Registry
  - Commands
- TFS integration
- Virtual Machines

- Automate IIS
  - Bindings
  - Applications
  - Websites
  - Virtual Directories
  - Pools
  - SSH
  - Assembly Cache
  - Certificates
  - Configurations
  - Permissions
  - Locks
  - Server

Deployment Models

Automic Release Automation for .Net has a unique deployment model that is integrated into the environment and provides simplicity and consistency for creating deployment workflows. The model is based on polymorphic, inheriting and extensible properties that are manageable at every level and stage, adhering to role-based access control. Workflows automatically adapt to current model properties, which make them completely generic and easy to reuse across environments.

Automatic Rollback

Rollback assures that an application, specifically in production, is never left in an inconsistent or inoperative state, should anything fail to deploy correctly. With Automic Release Automation for .Net, each out-of-the-box action comes with built in rollbacks.

Snapshot and Compare

A unique 'Snapshot' mechanism lets users compare configurations and file contents between packaged items and existing files. This allows users to enforce environmental controls by spotting any unauthorized manual or automatic changes that have been made after an application has been deployed.

Part of a Unified Business Automation Platform

Automic's platform allows companies to take a systematic approach to automation by incrementally replacing multiple ad hoc tools with a centralized platform – allowing you to scale your investment across people, process and technology. The platform executes core business, application and infrastructure processes in on-premise, cloud and hybrid environments – delivering a unified, flexible approach to automation, and allowing visibility and control across the entire business.

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 tool chain will be coherently orchestrated.

With Automic Release Automation organizations can specifically:
- Follow Automic's practical blueprint approach 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 seamlessly download and use community developed actions, processes or extensions that have been published.
- 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.

For more information or product demonstration please visit www.automic.com