Automic® Continuous Delivery Automation
Orchestrates Your Azure Services

Key Benefits

- Ease the efforts of developers, application engineers, and system administrators to create, deploy, and run applications by automatically utilizing Azure services as part of deployment workflows or pre-approved, self-help runbooks.

- Ship code and container as one coherent, deployable package that can be automatically promoted from environment to environment.

- Standardize an Azure best practice for application deployments and avoid expensive cloud sprawl.

- Know what application is where; auto provision and deprovision containers.

Key Features

- Out-of-the-box Azure actions:
  - Get Subscription Info Action Change Virtual Machine State
  - Check Request Status Action
  - Delete Azure Virtual Machine
  - Create Storage Container Action
  - Create Virtual Machine Deployment
  - Delete Storage Container Action
  - Create Cloud Service
  - Put Blob Action
  - Delete Blob
  - Delete Cloud Service
  - Set Virtual Network Configuration
  - Create Deployment
  - Delete Deployment
  - Delete File
  - Check the Azure Request Status

Overview

The Azure Package for Automic Continuous Delivery Automation allows you to build visual workflows to fully automate all of your Azure services including managing cloud services, virtual machines, storage containers, blob (block) storage, deployments, and virtual network configurations. Automation gives back a lot of valuable time to developers and administrators, while also assuring that fewer errors occur.

Business Challenges

Today, companies recognize the benefits of centralized management and centralized control for applications and data. Many companies have moved to a model where data is stored on, and many apps are run from, servers on the local network. The challenge with this approach is that companies are required to scale up their data centers to handle infrequent but serious peaks in volume usage, such as Black Friday and Cyber Monday. Companies are, essentially, paying for what they do not use for most of the year. The transformation in cloud computing promises to alleviate this problem. In cloud computing, applications and data are stored or hosted in the cloud, where everything that resides on remote servers can be accessed through the Internet. The cloud allows companies to pay for only what they need, when they need it. The cloud also allows for employees to have access to these systems from anywhere, any time during the day or night.

Cloud computing requires that a computing platform exist *out there* in the cloud, on which these remote apps can run. A number of cloud platforms are available from different vendors, including Amazon, Azure, Oracle, IBM, and Google, among others. Azure is Microsoft's cloud-based application platform for developing, managing, and hosting applications in the cloud (Microsoft worldwide network of data centers). Azure consists of several components: the cloud operating system itself; SQL Azure, which provides database services in the cloud; and .NET services.

Solutions Overview

Automic® Continuous Delivery Automation combines an integrated application packaging system, smart deployment models, and out-of-the-box actions for common deployment tasks with a robust workflow design and a high-volume execution capability. The Automic Continuous Delivery Automation Azure Package allows users to build, provision, configure, and manage Azure services as part of an automated application deployment process or as a pre-approved, self-help process. Optimized for enterprise environments, Automic Continuous Delivery Automation accelerates deployments to Azure, ensures the quality of deployments, and minimizes management overhead to help both development and operations enable business growth.

Critical Differentiators.

Several key capabilities make Automic Continuous Delivery Automation the most advanced and complete solution on the market.

- **Package manager**. A unique package manager lets users manually or automatically create user application artifact packages that include Azure images 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 to where they have been deployed.

- **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-centric views and component-centric views.

- **Deployment models**. Automic Continuous Delivery Automation has a unique deployment model that is integrated into the environment and provides simplicity and consistency for creating deployments. The model is based on polymorphic, inherited, and extensible properties. These properties 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. If Azure is not used in production, the deployment model of Automic Continuous Delivery Automation will intelligently deploy the application artifacts used in Azure to non-Azure production-grade hosting containers or servers. This, of course, assumes that the architecture of the application supports transport between on-premise and cloud based infrastructure.

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

Related Products and Solutions

Automic Continuous Delivery Automation by CA Technologies, a Broadcom company, is part of a comprehensive portfolio that includes the following related products and solutions.

- **Layer7 Advanced Authentication**. Identify users with two-factor credentials and risk-based authentication.

- **Layer7 API security solutions**. Provide a trusted API security solution for integrating across apps, devices, and businesses.

- **Layer7 Directory**. Meet demanding application needs with highly reliable and scalable directory services.

For more information, please visit ca.com/automation.