Solution Brief

Workload Automation
Manage Complex Workloads from Microservices to the Mainframe

Key Benefits

- Maximize service uptime, quality, and performance with integrated service level management.

- Eliminate up to 90% of manual errors.

- Ensure compliance with a centralized audit trail of your processes, errors, and remediation.

Key Features

- **SAP Automation.** Simplify and accelerate SAP processing.

- **Oracle Automation.** Manage Oracle application processing and connected enterprise workflows.

- **Big Data Automation.** Simplify automation for your big data.

- **Self-Service Automation.** Make self-services accessible for Dev and Business users.

- **Multi-Cloud Automation.** Connect islands of automation without weakening your security.

- **Job Request Management.** Simplify and accelerate the delivery of automation services.

- **Process Flow Documentation.** Gain new insights into your enterprise IT workloads.

- **Business-Driven Automation.** Enable data-driven automation to create agile operations.

- **Reporting and Analytics.** Integrate business data into workload and operations analytics.

At A Glance

Workload automation gives you the agility, speed, visibility, and scalability that you need to respond to the constantly changing technological landscape. Next-generation enterprise workload automation centrally manages the execution of all your business processes across mainframe, cloud, or hybrid environments, even when you are upgrading to a new version.

Business Challenges

Workload automation is more complex than ever. A complex, diverse landscape of applications, platforms, and technologies requires a whole new level of orchestration. While the shift to distributed and multi-cloud caused pockets of job scheduling to pop up, islands of automation create a barrier to scaling and standardizing your workload activities:

- You need to manage complex workload across platforms, ERP systems, and business apps from mainframe to microservices.

- As a result, processing errors are common because of manual hand-offs. The lack of an end-to-end view of the business process makes inefficiencies and problems difficult to resolve.

- The advent of DevOps requires yet unreached levels of scale, speed, and flexibility. You have to automate manual steps within business processing and integrate workflow tasks across agile and traditional teams.

You need more advanced solutions to address the changing demands of your organization in the new, agile workload environment. This is especially necessary for mission-critical processes that have stringent requirements for availability and performance standards.

Solution Overview

Automic® Automation provides a high level of integration with the leading operating systems, databases, applications, and cloud platforms. Proven agents and adapters deliver prebuilt interfaces to applications that range from ERP systems, such as SAP and Oracle, to business intelligence and data warehousing solutions, to financial solutions, and big data. By eliminating the need for manual intervention, Automic Automation not only saves your staff time, but also reduces the errors that often accompany manual steps.

With the Automic solution, you can rapidly integrate all of your business processes into a single, comprehensive workload automation strategy that is shared from Dev to Ops. Using an agile methodology, you can run all of these processes as one end-to-end process flow, and manage them through a single point of control.

Critical Differentiators

- **API-driven**. Open API automation platform that integrates your applications and tools across the enterprise into a single comprehensive automation strategy.

- **Massively scalable**. Scales up to 100,000 agents and 100 million jobs for each instance. Software clustering ensures reliability and dynamic scalability without the need for specialized fault tolerant hardware.

- **Lifecycle management**. Easily and securely promote automation policies across development, test, and production environments.

- **Automation-as-code**. Empower shift-left initiatives by enabling developers to directly code automation artifacts that can be easily promoted across development, test, and production environments.

- **Integrations marketplace**. Marketplace of add-ons and templates to extend the reach of automation and to solve more business challenges

- **Mainframe to microservices**. Provide support for mainframe, distributed, virtual, and cloud environments combined with the broadest certifications for business applications.

- **Zero-downtime upgrades**. Zero-downtime upgrades guarantee that there is no need for a maintenance window and no downtime when you install new versions or patches.

- **Governance and compliance**. Comprehensive auditing and control of all automated processing and user activity keeps processes in conformance with company regulations.

Figure 1: Automic Automation lets you manage complex workflows that span across multiple technologies.
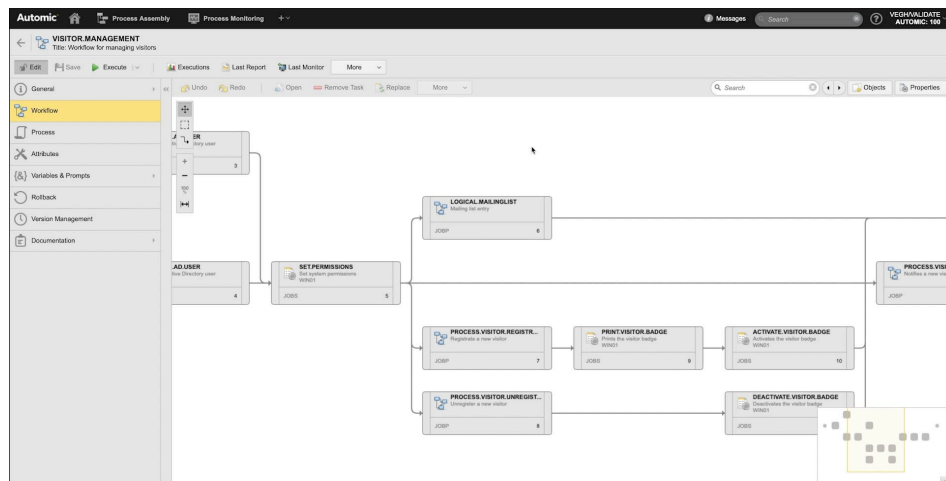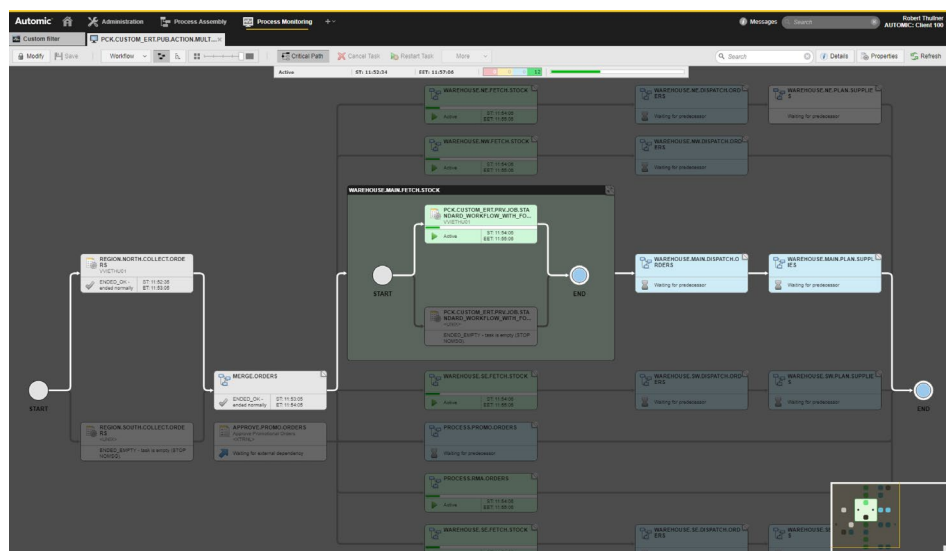

Figure 2: Automic Automation determines workflow critical paths and possible SLA misses in real time.

Related Products

- Automic® Automation: Drive the growth of your company and accelerate your digital transformation.

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