Adaptive Intelligence and Predictive Analytics for Workload Automation

Automic® Automation Intelligence delivers enterprise workload automation solutions with a predictive analytics workload platform that provides companies the necessary visualization, adaptability, and intelligence to successfully manage complex workloads. Unlike other predictive analytics vendors, Automic Automation Intelligence offers the only solution on the market which provides a single-pane-of-glass across multiple vendors and platforms. Workload automation analytics provides your business service-level assurance, critical-path management, and enterprise-wide visibility into your business-critical applications. Now, your critical workload data can be a source of business insights to drive improvements in IT operations, your digital transformation journey, and your business success.

Business Challenges

Today, many organizations embracing digital transformation are struggling to manage complex, mission-critical workloads. This is a significant problem as companies across the globe have suffered workload-related negative events that are extremely costly, highly inefficient, and potentially jeopardized their businesses. Advanced analytics solutions are required to reduce risks and costs in a constantly changing technology landscape:

- Complex workloads must be managed across platforms, ERP systems, business apps from mainframe to micro-services, and the cloud. Automating manual steps within business processing and integrating workflow tasks across agile and traditional teams.
- Automation must be simplified for big data, enabling self-services for data scientists while providing massive scale and stronger governance on data flows.
- Self-services must be available for Dev and Business users to increase the quality of service, reduce the number of service-desk tickets, and integrate with service catalogs.

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Key Benefits and Results

- **Risk reduction and avoidance:** Improved understanding of batch impact due to failures, latency, and operator error.
- **Improve efficiency and reduce costs:** Gain the visibility you need to manage value streams end-to-end and optimize costs, align execution to strategy, and prioritize strategic initiatives.
- **Transform customer experience:** Optimize customers' experiences by using AI-driven insights to detect and resolve issues faster, and to prevent them from occurring in the first place.

Key Features

- **Cross platforms/vendors visibility:** Real-time single point of view across IWS z/d, CA 7, Jobtrac, AutoSys, and Tidal Workload Automation solutions.
- **Dynamic service-level management:** Discover and track service-level agreements (SLA) across platforms and schedulers simply by identifying the job that needs to be delivered.
- **Enhanced workload analytics:** Predict outcome of SLAs before they impact the business. Proactive alert management to resolve before any impact to the business.
- **Improved change control:** Simulate potential changes against defined SLAs before going to production. Limits SLA breaches and allows you to optimize complex batch processing across vendors and platforms.

Marquee benefits yielding **$5.8M** per year in savings are detailed on the reverse side of this document in order to show examples of business value achievable with Automic® Automation Intelligence.

Business Value Estimations

Automic Automation Intelligence benefits can be quantified via a wide range of benefit scenarios. A selection of these is listed below to show common areas measured.

Business Value Proposition	Business Value Enabler	Specific Measurement	Impact Range [1]	Key Resources Affected	Average [2] Resource Value	Projected [3] Savings / yr
Improved workload monitoring productivity	• Single pane of glass view of all workload automation platforms • View of critical path across all platforms • Predictive alerting and root cause identification • Monitor workloads from a line of business perspective	Cost reduction due to workload monitoring efficiency	15 - 35%	Workload Monitoring FTEs	6	$180,000
Reduced cost of modeling workloads	• See impact of changes immediately and model "what-if" scenarios without having to actually run workload jobs • Visibility of cross scheduler and cross platform dependencies	Cost reduction in workload definition	15 - 35%	Workload Definition FTEs	10	$300,000
Reduced costs of SLA breach events	• View of job impact to SLA requirements • Predictive and real-time notification	Cost reduction due to reduced SLA breaches	20 - 40%	SLA Breach / Penalty Costs	$3,000,000	$900,000
Reduced cost of compute to execute maximum workload job requirements	• Visibility to entire workload schedule to see when and where maximum capacity • Decision making tools to move and shift workloads around to decrease maximum consumption windows.	Cost reduction in maximum compute costs	3 - 7%	Cost for maximum compute requirement	$15,000,000	$750,000
Reduced risk of revenue loss associated with failed workload jobs	• Alignment of critical workload to business services • Analysis of historical execution trends to help identify issues that could impact SLAs in the future	Cost reduction in revenue at risk due to workload execution	0 - 0.05%	Economic Risk of workload effect on running the business	$10,000,000,000	$2,500,000
Business agility to make better business decisions	• Shrinks the batch window, providing more availability for revenue generating applications • Helps optimize job schedules and automation of error recovery for business processes • Real time prediction allows for reprioritization of workloads based on business value	Revenue improvement due to cross business unit impact to revenue objectives	3 - 7%	Economic Impact of Revenue Objectives	$10,000,000,000 Revenue Growth 4% IRR 6%	$1,200,000

This table shows some **key benefits** of **Automic Automation Intelligence**. Your Broadcom representative can also share additional and more detailed ROI business case examples for this solution by engaging the Broadcom Business Value Analytics Team. This team works with Broadcom's customers to develop and analyze a comprehensive set of assumptions and environment specific metrics in order to build customized projective business cases.

1. The Impact Ranges shown above are estimations derived from the analysis of benchmark data which is a composite of data derived from industry analyst published information, interviews with subject matter experts and experiential data from prior projective analyses.

2. The Average Resource column shows resource values representative of those used in business case analyses by the Broadcom Business Value Analytics Team.

3. The Projected Savings may be representative results for organizations whose Average Resource values are similar to those in this table. Loaded labor rates for all FTEs are assumed to be $120k/year. Actual calculations may include additional parameters. Your Broadcom representative can provide detailed benefit calculations for values in this column.

The values expressed in this table are not a guarantee of achievable results and will vary depending upon your current infrastructure, people, and processes as well as the appropriate, effective implementation, adoption, and use of the solution.