Automate Complex Workloads with Maximum Flexibility using CA Workload Automation

For more than a decade, CA Technologies has been providing solutions for managing high volumes of complex, business-critical workloads across the enterprise. CA Workload Automation is distinguished by its breadth of platform coverage, event-based architecture, intelligent resource management, flexible configuration, extent of offered automation and ease of use. It allows you to reduce the complexity and cost of managing application workloads across physical, virtual and cloud resources and accelerate the path to dynamic service delivery.
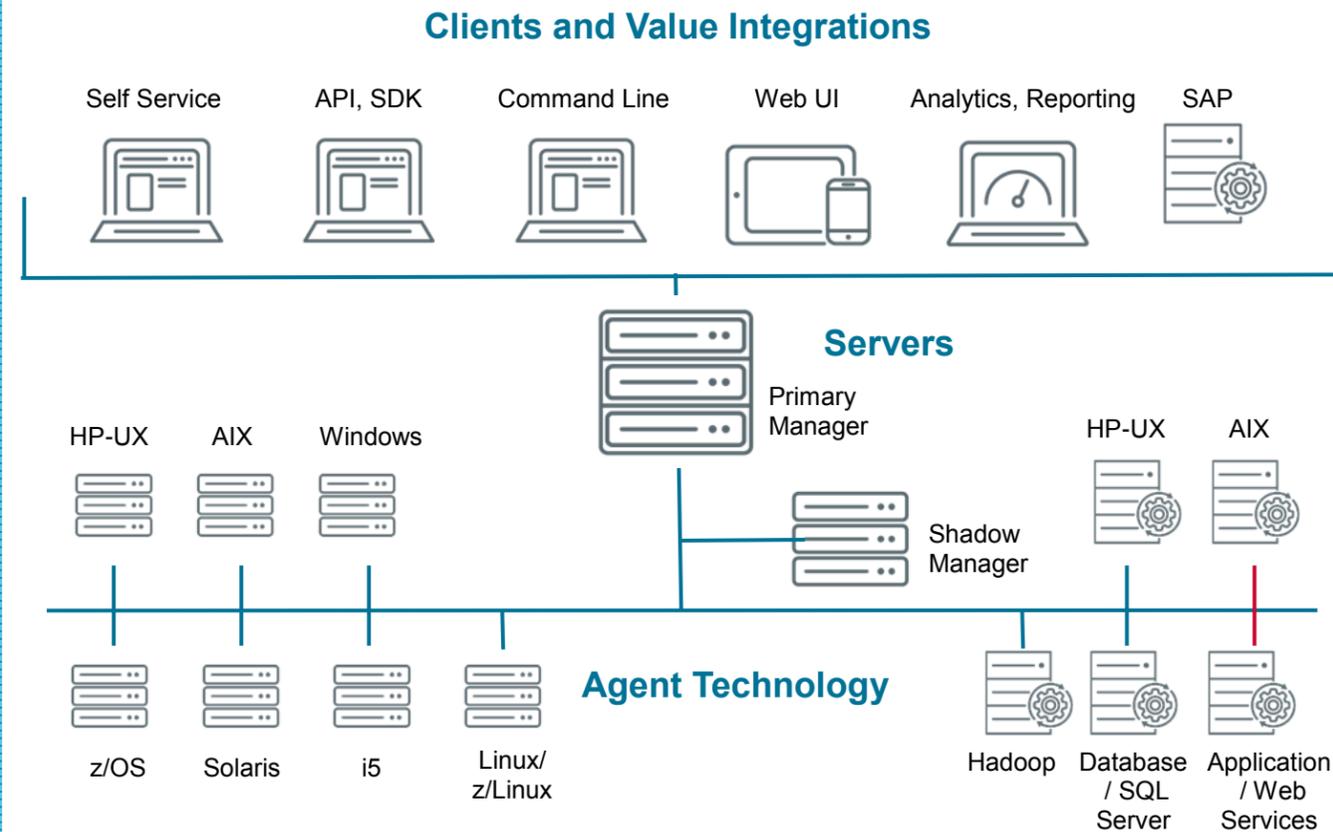
Business Challenges

Workload processing and job scheduling once represented a leading-edge way to manage critical data center functions. However, business has evolved such that scheduling simple tasks on a single platform at a specific time and date is not enough. Rather, your enterprise needs a way to manage:

- Thousands of users
- Thousands of requests for cross-platform processing
- Stringent SLAs
- Intricate interdependencies
- Compliance requirements
- Across an infrastructure assembled from legacy and emerging technologies
- Virtualized pool of resources
- Resource pools in cloud-enabled application infrastructure

Therefore, current strategies for workload processing and job scheduling must evolve into workload automation, to become a critical component of service-driven initiatives.

CA Workload Automation Architecture

Clients and Value Integrations

Self Service | API, SDK | Command Line | Web UI | Analytics, Reporting | SAP

Servers

Primary Manager

Shadow Manager

HP-UX | AIX | Windows

HP-UX | AIX

Agent Technology

z/OS | Solaris | i5 | Linux/ z/Linux

Hadoop | Database / SQL Server | Application / Web Services

Key Features

- Multi-platform scheduling
- Event-based, service-oriented architecture
- Intelligent resource management
- Role-based administration and reporting
- Single definition for entire business workload
- Easy to install, learn and use
- Seamless application integration
- SLA-based management and workload analytics
- Support for SAP, PeopleSoft, and Oracle® Applications
- Extensive job types and Web services interface
- Critical path analysis and forecasting
- Cloud bursting
- Throughput optimization
- Fault tolerance and recovery
- Self-service for workload management
- Mobile access

Key Benefits and Results

CA Workload Automation helps IT to achieve greater levels of efficiency, improve service availability across critical business applications and IT processes, and better manage costs and risks by unifying and simplifying the management of complex workloads across the enterprise.

- Increased productivity and performance
- Greater business responsiveness
- Manage IT costs
- Consistent, reliable service delivery

Marquee benefits yielding **$1.2M** per year in savings are detailed on the reverse side of this document in order to show examples of business value achievable through this CA Workload Automation approach

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Business Value Estimations

CA Workload Automation 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 Resource Value [2]	Projected Savings / yr [3]
Improved workload definition staff productivity	• easily define workload across the enterprise without having detailed knowledge of the operating systems. • reducing or eliminating the need for multiple iterations of the definition to be maintained.	cost of time spent defining workload	40-50%	IT Operations Workload Definition FTEs	9	$344,250
Incremental revenue protection for revenue generating applications	• shrinks the batch window thereby providing more availability for revenue generating applications • helps optimize job schedules and automation of error recovery for business processes • agents can trigger workload immediately per business needs, versus traditional schedule load concepts	revenue improvement due to reduced batch window	10-15%	revenue per increased revenue-generating app availability	5% of revenue generating apps degraded by workload issues; $35M/year revenue	$218,750
Improved workload monitoring staff productivity	• monitor end-to-end applications on an exception basis using a single pane of glass • automated notifications can alert the appropriate people • immediate availability of diagnostic and recovery analysis to help staff successfully continue processing • "manage by exception" and see all of the workload object types impacting the schedule	cost of time spent monitoring workload	40-50%	IT Operations Workload Monitoring FTEs	8	$306,000
Increased availability of processing MIPS due to better use of CPU resources	• shrinks the batch window thereby allowing the enterprise to reclaim MIPS processing capacity	MIPS reclaimed due to shrinkage of batch window	7.5-12.5%	MIPS/MRUs	500 MIPS @ $800/hd, $2,200/sw	$150,000
Improved IT administrative staff productivity	• reduce or eliminate time and resource intensive monitoring and manual system management • automate the problem remediation process by gathering failure information immediately and making it available to problem solvers	cost of system administration related to problem remediation	32.5-37.5%	IT System Admin Support Staff FTEs	5	$152,250
Reduced compliance costs enabled by more complete audit trail information	• an entire business process may be documented through a secure and complete audit trail • track who has performed what task and with what outcome • troubleshooting information may be accessed without having to log into production servers	cost of audit and compliance related to workloads	20-30%	Compliance Audit Costs	$500,000 annual compliance costs	$125,000
Reduced development or scripting costs for custom workload requirements	• reduce the need for custom application development or scripting • may allow direct integration, for example, without the need for dummy jobs and needless file transfers.	cost of application development time spent scripting workload requirements.	4-6%	Application Developer FTEs	$1,000,000 annual development budget	$50,000

This table shows some **key benefits** of **CA Workload Automation**. 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. Labor rates for all FTEs are assumed to be $85k/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.