



Highlights

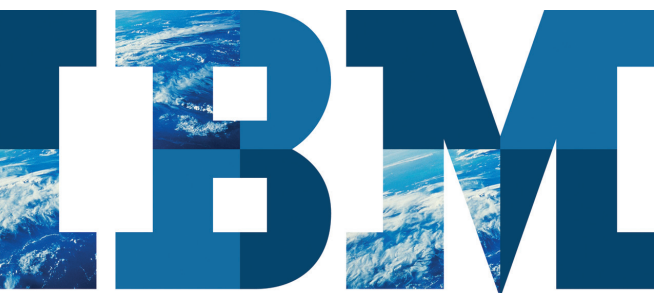
- Gain visibility into and manage hundreds of thousands of jobs per day from a single management console
 - Improve resource efficiencies by using a single solution to manage heterogeneous applications across different business units—while maintaining high scalability and fault tolerance
 - Pay only for what you use with flexible, per-job pricing
 - Reduce IT operations costs by managing workloads efficiently in a cloud environment
 - Prioritize critical workloads to meet service level agreements (SLAs)
 - Integrate with other IBM offerings and dozens of third-party applications
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IBM SmartCloud Workload Automation

Highly scalable, fault-tolerant solution offers simplicity, automation and cloud integration

As infrastructures continue to grow increasingly more complex and heterogeneous, the need for easier, more cost-effective, end-to-end workload management is also growing. To achieve this, IT organizations are seeking solutions that can manage and automate workloads across the entire infrastructure—including cloud—with minimal overhead and human intervention. Enter IBM® SmartCloud™ Workload Automation, a solution that provides dynamic workload automation capabilities to efficiently run critical applications—while also enabling users to leverage the elasticity of cloud computing to expand or shrink investment levels in real time, based on changing business needs.

The workload automation capabilities of IBM SmartCloud Workload Automation are designed to provide a consistent look and feel for the management of unattended workload or application runs, along with provisioning and deprovisioning of cloud resources and infrastructures. IBM SmartCloud Workload Automation provides a clear picture of infrastructure availability and workload progress across possible environment failures. Deploying IBM SmartCloud Workload Automation on top of business infrastructure and platform components gives organizations a production-ready, dynamic application that not only leverages the flexibility and scalability of cloud computing, but also provides an important step in the consolidation of various product roles as the backbone for enterprise scheduling.



IBM aims to help organizations rethink IT and reinvent business by removing barriers to innovation. That’s why IBM designs solutions for today’s complex, rapidly changing infrastructures—solutions that provide Visibility Control Automation™. IBM SmartCloud Workload Automation includes features that support this approach.



VISIBILITY

See and understand your business in real time



CONTROL

Transform and adapt while limiting risk and cost



AUTOMATION

Achieve greater efficiency and agility

Visibility

Deploying applications in a cloud computing model requires knowledge of the business logic and data needed to make an application successful—knowledge that comes from clear visibility across the organization.

Robust graphical user interface

IBM SmartCloud Workload Automation offers a robust graphical user interface (GUI) with a graphical layout view that shows both job stream and job elements. These graphical views enable development and operations teams to work in an integrated way

and to perceive complex situations in a very short time. This comprehensive tool covers the common usage scenarios of overview, drill-down for explanation and rapid situation correction.

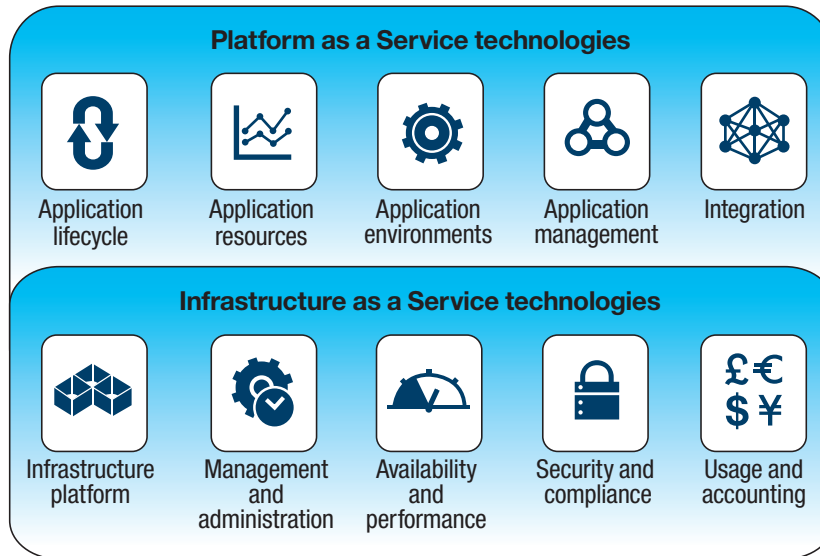
Integrated cloud capabilities

As part of the IBM SmartCloud Foundation portfolio, the IBM SmartCloud Workload Automation solution enables users to request, deploy, monitor and manage cloud computing services. IBM SmartCloud Workload Automation can automatically move data within an application, transforming this data into useful information that helps satisfy business goals.

Sparkassen Informatik, Germany’s largest provider of information technology solutions to savings banks, achieved significant benefits with IBM’s workload automation solution. Horst Hessel, project leader, says, “[The solution] helped us facilitate the merger of operational units. We can now effectively monitor and manage nearly 3.8 million IBM z/OS systems and 35,000 distributed jobs with one comprehensive scheduling environment.”

Cloud integration also enables better provisioning and flexibility. There is natural integration between the elastic scaling of server pools in the cloud and the manner in which the solution allows these pools to be readily communicated to the workload automation. This means that without any change in the definition of workload, users can take advantage of these expanded server pools according to the conditions in their environments and the needs of their workloads.

IBM SmartCloud Foundation



IBM SmartCloud Workload Automation supports the IBM SmartCloud Foundation particularly in the application lifecycle sector by creating, testing and promoting business workflows; in the application management sector by applying policies to workloads and tracking SLAs through dashboards; and in the integration sector by keeping heterogeneous business processes together.

Control

To help deploy smarter infrastructures, organizations must be able to transform and adapt while limiting risk—and cost—to the business.

Reduced costs with per-job pricing

IBM SmartCloud Workload Automation offers a per-job pricing metric that is based on the number of jobs actually managed by the solution. This feature enables users to pay per job for workloads, which, in turn, can reduce their fixed costs. This

pricing metric more closely aligns with the cloud computing model, as it allows for consumption-based pricing with the flexibility to grow as business and technology demands change.

Per-job pricing also helps reduce software licensing, infrastructure and labor costs by making pricing independent of the infrastructure. With per-job pricing, users are detached from the technology on which they are running, which is well suited to cloud environments. In addition, this feature benefits smaller organizations that can leverage this pricing model to reduce ramp up costs according to their business need.

Centralized control

IBM SmartCloud Workload Automation ensures that all schedule objects are defined and stored on a master scheduling controller. In addition, scheduling duties are delegated from the master controller to other workstations in the network.

Ease of compliance

IBM SmartCloud Workload Automation can help deliver services that are in compliance with a wide range of legal mandates and requirements, that meet service-level objectives, that support the organization's best practices and that deliver service information to the management chain. By providing a central point of control, this solution can simplify and enhance compliance management processes with the precision and flexibility necessary to meet rigorous requirements.

Robust fault tolerance

IBM SmartCloud Workload Automation offers fault tolerance capabilities that ensure that jobs will continue to run even in the event of loss of network connectivity or loss of other system availability.

Automation

IBM SmartCloud Workload Automation offers features that can help organizations achieve greater efficiency and agility.

Dynamic workload automation

IBM SmartCloud Workload Automation, with dynamic scheduling capabilities, is designed to help bring both resiliency and optimization to the execution of workloads. Organizations can

use the solution to dynamically trigger and dispatch workloads to the best available resources, responding in real time to changing business demands. IBM SmartCloud Workload Automation simplifies the creation of server pools for purposes of availability or optimization.

The solution's dynamic workload automation capabilities also optimize the execution and dispatch of workloads in the cloud. IBM SmartCloud Workload Automation can then link these optimized workloads to SLAs, making the most of the flexible architecture provided by cloud.

Self-service catalog

Self-service is fundamental for efficiency in the cloud. Cloud can deliver an on-demand self-service capability accessed through a portal associated with a service catalog, giving the user an easy way to request server time or application access automatically. The IBM SmartCloud Workload Automation provides a self-service catalog that addresses all layers of the cloud.

After deploying IBM's workload automation solution, leading steel and mining company ArcelorMittal was able to reduce its workflow implementation time by roughly one third. Miguel Sanders, IT systems engineer, says, "The rigor of our request-for-proposal process paid off, as we started seeing real benefits after the first month of operations."

IBM SmartCloud Workload Automation at a glance

Supported hardware platforms	IBM SmartCloud Workload Automation runs on the hardware platforms that support the operating systems listed here.
Supported operating systems	<ul style="list-style-type: none"> • IBM AIX® 5.3, 6.1 and 7.1; IBM System x®; IBM System z®; IBM System i® (IBM i5/OS®); IBM System p® • HP-UX 11i v2 and v3 • Microsoft Windows Server 2003 and 2008 (Standard, Enterprise, Enterprise for AMD 64 and EM64T Kernel 64, and Data Center), XP Professional, Windows Vista (Enterprise and Ultimate) • Red Hat Enterprise Linux 5.0 and 6.0 • Sun Solaris 9 and 10, and Solaris 10 for AMD • SUSE Linux Enterprise Server 10 and 11
Supported relational database management systems	<ul style="list-style-type: none"> • IBM DB2 Universal Database™ for Linux, UNIX and Windows Enterprise Server Edition v9.7 and v9.1 for HP-UX on PA-RISC only • Oracle Database 11g Release 1 and 2—Enterprise Edition
Integrated software	<ul style="list-style-type: none"> • IBM Tivoli® Workload Scheduler v8.6 • IBM Tivoli Workload Scheduler for Applications v8.6

Why IBM?

Part of the IBM SmartCloud Foundation portfolio, IBM SmartCloud Workload Automation is an end-to-end solution spanning various platforms and complex environments, including both traditional and cloud. IBM offers the only solution to unify IBM InfoSphere® DataStage®, IBM Cognos® and third-party applications such as Informatica, with global processes in a managed approach. Backed by our technology and market leadership—and thousands of customer implementations worldwide—you can count on IBM solutions to help your business flourish.

For more information

To learn more about IBM SmartCloud Workload Automation, contact your IBM representative or IBM Business Partner, or visit: ibm.com/software/products/us/en/smarworkauto/

Additionally, IBM Global Financing can help you acquire the software capabilities that your business needs in the most cost-effective and strategic way possible. We'll partner with credit-qualified clients to customize a financing solution to suit your business and development goals, enable effective cash management, and improve your total cost of ownership. Fund your critical IT investment and propel your business forward with IBM Global Financing. For more information, visit:

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