Automic Workload Automation for Hadoop

Key Benefits

- Reduce time Application Developers spend on scripting and internal systems research

- Increased visibility of datapipe flows

- Reduce security and compliance risk

- Detect performance problems sooner

- Expand the services that IT is able to offer

Accelerate Big Data time to value by simplifying enterprise integration and making Hadoop more accessible with visual workflows

Business Challenge

Big Data is unlocking new insights for businesses in a competitive market where the smallest advantage is critical. Hadoop has emerged as a key Big Data technology. Businesses are moving Big Data pilot projects into production. The challenge is how to integrate Big Data processes and Hadoop tasks into existing IT workflows without causing major business disruptions or using your data-knowledgeable resources inefficiently.

The Automic Solution

Automic Workload Automation for Hadoop gives users the ability to automate Hadoop jobs and HDFS actions without needing to write scripts. Hadoop jobs can then be integrated using Automic's intuitive workflow designer, creating data pipelines and ensuring the right data is processed in the correct order at the right time.

Hadoop for Data Engineers

Most Hadoop programs require extensive scripting, which creates complexity. Automic Workload Automation for Hadoop utilizes a reusable object-oriented framework combined with out-of-the-box actions and templates. Using its drag-and-drop workflow designer, Data Engineers and non-technical users like Data Scientists can quickly build complex Hadoop workflows, reducing development effort and time.

Hadoop for Production

Hadoop applications must be managed to the same ITIL-based standards as the rest of the infrastructure in the data center. Automic Workload Automation helps businesses meet all these requirements with comprehensive operational controls and governance such as SLA monitoring, event management and version management.

Automic Workload Automation for Hadoop provides a centralized orchestration point for all Hadoop MapReduce and HDFS tasks, both in the cloud and in hybrid environments. Infrastructure and operations staff are able to automate Hadoop tasks without the additional stress of learning a multitude of new tools.

How it Works

Automic Workload Automation for Hadoop integrates with WebHCat and WebHDFS web services. Connections to various Hadoop environments are configured by users in connection profiles.

Automic's integration allows Automic Workload Automation for Hadoop the ability to quickly create, submit, monitor, and take action on Hadoop jobs at a pace that no one else in the industry can match.

The web services integration eliminates the need to install and create a local Hadoop client. This allows flexibility in remotely accessing multiple Hadoop environments.

To simplify building Hadoop jobs, Automic Workload Automation for Hadoop provides an HDFS File Browser that gives users an explorer view of the Hadoop file system. This allows users to search and select a file name or folder from a list instead of having to manually type it, which could introduce errors.

With Automic's Self-Service Portal, non-technical users can submit workflows to process data or execute reports.

Part of a Unified Business Automation Platform

Automic's systematic business automation platform executes core business, application and infrastructure processes across on-premise, cloud and hybrid environments. It delivers a unified, flexible approach to automation that can be adopted incrementally, providing end-to-end visibility across the entire business.

Why Choose Automic?

Single, scalable platform

Out-of-the-box integration with over **50** different industry leading ITOM, middleware and enterprise applications

Reduce routine, mundane IT tasks, freeing **90%** or more of standard operational work

Cut mean time to repair by **90%** or more

Improve service quality and speed of response by **80%** or more

Optimize the usage of scarce existing resources

Preserve a single centralized audit trail of operational activity for compliance and process improvement

For more information or product demonstration please visit www.automic.com