

Batch and Workload Automation Services

IT Infrastructure services



Across industries, as enterprises and their systems landscape evolve in the wake of emerging trends, conventional datacenter operations and workload processing will become increasingly infeasible. These legacy practices not only support a limited set of jobs but also require significant manual intervention. Moreover, increasing interconnection between different processes and the need to optimize them dynamically indicates the necessity for upscaling workload automation capabilities.

Tata Consultancy Services' (TCS) Batch and Workload Automation Services suite is designed to manage workload across heterogeneous platforms with automated job scheduling and optimization. Leveraging a flexible, scalable scheduler product of a third party vendor, TCS helps reduce costs, mitigate risk exposure and drive greater operational efficiency

Overview

To support rapid business growth, enterprises across industries have to deploy and maintain heterogeneous systems – multiple computing platforms, software environments, and business processes that operate on a round-the-clock basis. In this scenario, ensuring seamless operations requires having support personnel available at multiple locations and time zones. Moreover, organizations have to continually cross-train professionals to enable them to work with different platforms, job schedulers, and toolsets, and adapt to changes in job volume and system configuration. In effect, this goes on to amplify operational and overhead costs. Therefore, managing batch operations while defying these odds often becomes a daunting task.

The problem is further exacerbated with customers expecting shorter lead times for completing batch operations. It becomes all the more crucial to develop capabilities for overnight batch cycle processing. To facilitate this, enterprises will need to optimally utilize physical and logical resources while maintaining and ensuring the availability of scheduler components like servers, databases, applications, agents, and more. However, enhancing productivity, minimizing risks, and reducing operational costs will involve minimizing manual intervention.

TCS' Batch and Workload Automation Services suite is designed to help enterprises improve their batch operations with automated scheduling, administration, and monitoring functions. Delivered in a managed services model, TCS' offering helps enterprises boost business agility by consolidating batch scheduling processes across heterogeneous IT environments and platforms.

Our Solution

TCS' Batch Workload Automation Services suite uses standard tools and robust ITIL-based service delivery model to provide a single view of operations across geographies. Our services encompass key aspects of batch job scheduling including migration, consolidation, optimization, monitoring, and administration of the scheduler components. Furthermore, we ensure security for job scheduler databases, reduce batch windows, and upgrade scheduler and software tools. TCS' offering allows batch users to easily monitor jobs, check critical path checks, and manage batch streams through a unified interface.

Besides providing conventional, round-the-clock scheduling support, TCS' services enable customers to deploy job schedules and corresponding scheduler components. This not only ensures easy consolidation and migration of schedulers across platforms but also allows the customer to optimize job scheduling operations by allowing them to access and modify the process based on requirements.

Monitoring & Scheduling

- Batch streams management
- Critical path monitoring
- Batch job scheduling
- Single point of control
- Integrated workload management across platforms



Scheduler Administration

- Installation and administration of workload automation
- Scheduler version upgrades
- Scheduler integration



Scheduler Migration & Consolidation

- Consolidation of schedulers across platforms
- Scheduler migration
- Adaptation of cloud for workload automation



Scheduler Optimization

- Batch workload optimization
- Scheduler assessment & tuning
- Batch window reduction
- Scheduler license cost reduction



Benefits

With TCS' Batch and Workload Automation Services, enterprises can:



Reduce costs: Eliminate the need for manual intervention to deliver support across different time zones. TCS' solution helps consolidate job schedulers to reduce licensing and maintenance overheads. By optimizing batch processing, enterprises can ensure cost-effective, integrated operations.



Improve operational agility and efficiency: Address unexpected changes and fluctuations in batch volumes owing to system changes with the implementation of mobility solutions and introduction of new technology in the environment. With TCS' tiered service model, enterprises can leverage the required competency to support job monitor.



Maximize productivity: Lower IT support costs through automated workload processing. Backed by a single point of control and integrated workloads across the platform, enterprises can minimize the effort required to monitor independent job alerts.



Enhance performance: Effectively utilize infrastructure resources, such as servers, and optimize storage and job scheduling.

The TCS Advantage

TCS' offerings allow global enterprises to support millions of jobs per day, on heterogeneous platforms and across various businesses, products, and geographies

By partnering with TCS, you can leverage:

- **A comprehensive portfolio:** TCS' large pool of skilled resources across various schedulers that provide end-to-end services covering consultation, maintenance and support, engineering, and architecture.
- **Best practices based services delivery:** Our proven, delivery-driven methodology and approach guarantee feasible, cost-effective solutions for all our clients.
- **Rich expertise:** Backed by deep domain expertise, we develop, manage, and deliver end-to-end offerings as well as deploy tools for consolidating and migrating job schedulers across products.
- **Robust SLA management:** Our strong process orientation based on best practices ensure adherence with the most stringent SLAs.

Awards & Recognition



To know more

Visit the [Technology Operations](#) page on [tcs.com](#)
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About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

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