



IBM i Job Scheduling

Reduce running costs and boost operational efficiency

AUTOMON® Scheduler is an advanced job scheduler that manages all batch work for one or many servers from a single point of control

For IT operations under pressure to do more for less, it makes sense to eliminate the costs and inefficiencies of manual batch scheduling by moving to a fully automated solution. AUTOMON® Scheduler is a reliable and robust IBM i job scheduler that is designed to:

- Reduce your running costs and minimize errors by automating all aspects of the job scheduling process
- Provide the flexibility to manage increases in workload without employing additional staff
- Run an unattended scheduling operation, with the option to use AUTOMON® Console and AUTOMON® Messenger for a fully automated job scheduling and message management solution
- Maximize system throughput by managing job dependencies and system resources efficiently
- Increase levels of control, enabling you to prioritize critical work and improve batch performance
- Reduce downtime through automated error recovery
- Release operators from routine tasks to focus on value-added activities

A single, powerful solution

AUTOMON® Scheduler provides you with your own advanced and automated computer operator.

The system is simple enough for basic scheduling to be implemented immediately, yet offers the levels of sophistication and power necessary for more detailed and complex requirements.

Batch throughput is maximized through optional job queue hunt functionality, coupled with a nested dependency scheduling ability that can respond to the status of any other job or event on any IBM i server within your network.

Exploit the latest technology

AUTOMON® Scheduler exploits the latest features available in the IBM i operating system. This includes the ability to schedule unattended backups, restricted tasks and IPLs.

Enterprise-grade features ease the creation, maintenance, and execution of job schedules, providing significant productivity gains whilst reducing operational risk. Graphical flowcharting provides powerful insight into job schedules and their dependencies.

User access to key AUTOMON® Scheduler functions is controlled by a comprehensive security matrix.



Reduce downtime

Minimize operating costs

Optimize batch performance



Maximize batch throughput

Inter-dependent job strings can be created for all scheduling requirements.

AUTOMON® Scheduler will optionally ‘hunt’ for empty job queues at scheduling time and submit eligible jobs to maximize throughput.

Get the most from your network

AUTOMON® Scheduler is available in different configurations to suit your network needs.

Jobs can be scheduled dependent upon the status of other jobs or events on any IBM i server in the network – including local and remote systems.

Take control of your scheduling

Jobs can be run at specific intervals, date and time, or in accordance with calendar-defined control, regardless of complexity. Any number of calendars can be created, within minutes. These can be:

- Tailored to reflect local variations, such as holidays and fiscal period ends
- Amended swiftly, achieving global changes in scheduling at a keystroke
- ‘Virtual’ calendars, handling complex scheduling needs, such as those for subsidiaries or special period ends

Any attribute associated with batch processing can be specified for jobs defined to AUTOMON® Scheduler.

Users can string together a series of commands rather than having to write and compile CL programs. LDA settings, command(s) to execute, job descriptions and queues to be used can be variable, based on date, so jobs can be scheduled months or years ahead.

Automate restricted tasks

Restricted state tasks, such as SAVSYS and reclaiming storage, can be scheduled by AUTOMON® Scheduler, eliminating the need for additional shift cover.

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Advanced job conditioning

Job submission conditions can be set upon a number of criteria, including:

- The status of other jobs on any connected processor, for example active, normal or abnormal completion
- The allocation or existence of object(s), such as the presence of records in a database file
- A data area containing a specific entry
- The status of a comms line or job queue
- The arrival of network or spool files
- The status of a subsystem or its contents

Manage jobs submitted by users

Jobs generated by other applications can be brought under the control of AUTOMON® Scheduler. Jobs matching specific naming patterns can be automatically intercepted and held on a job queue. The job will then be released when the time associated with the job mask is reached. For example non-critical reports submitted by an application can be transferred to an overnight batch queue and run when the system is less busy.

Ad-hoc, unscheduled batch jobs can be adopted and scheduling applied to them. Job conditions can be added to control when and how this work is processed. This ensures that randomly submitted jobs do not interfere with priority scheduled work.

Flexible error recovery

System downtime can be reduced through the extensive job error recovery facilities. Wait time and retry intervals can be specified, and recovery job strings processed if required.

Management information

To put you in control of all batch processing:

- Powerful online job status enquiries show which jobs are currently being executed
- Detailed audit trails and runtime logs show what has happened
- Extensive future schedule enquiries show what will be happening