

# SpaceAutomator v4.4.1

## Automate your S/390 Environments

SpaceAutomator, a component of SpaceFinder Workbench, is a solution for monitoring, detecting and resolving potential storage issues before they become business problems. Using rules-based automation to manage exceptions, it can initiate storage management actions at specific times, when a user-defined threshold is violated, or when a specified event occurs. It can automatically submit jobs, initiate a third-party application, or send alert messages to ease manual tasks traditionally addressed by the storage administrator.

## Manage by Exception

The challenge of S/390 storage management is to ensure maximum availability while controlling costs. Extending the expertise of the storage administrator to apply consistent management practices to address storage growth and reduce infrastructure complexity has an immediate impact on data availability and application performance.

## Solution Highlights

**Eliminate** time-intensive, manual troubleshooting with event and threshold-based automation.

**Execute** critical tasks, jobs, or processes based on pre-defined schedules or events.

**Manage by exception** to increase productivity and manage more terabytes per storage administrator.

**Monitor** SMS threshold changes for a particular volume or pool, and automate a specific cleanup action or alert.

**Automatically check** fragmentation indices and submit defrags for specific volumes based on pre-defined thresholds.

**Track** "out of space" conditions and automate the migration of data sets that have not been referenced in a user-specified number of days.

**Identify** a disabled VTOC index and automatically execute a job to re-enable the index.

## Supported Environments

- ▶ IBM DFSMS, all versions and releases
- ▶ IBM DFSMSHsm, all versions and releases
- ▶ IBM OS/390, all versions and releases
- ▶ IBM OS/390 Communications Server, all versions and releases
- ▶ IBM z/OS, V1R1 and later
- ▶ Interlink TCP/IP, all versions and releases
- ▶ RACF, ACF2 and Top Secret all versions and releases
- ▶ TCP/IP, all versions and releases



*SpaceAutomator highlights*

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## Challenge

### Initiating critical tasks and processes

Monitors storage resources across multiple MVS images or LPARs to ensure critical tasks are started or stopped at scheduled times and in the proper sequence. Based on predefined rules, it can automatically start a task or initiate a job based on the occurrence of a violation or exception event.

### Tracking DASD volumes, storage groups, logical volume pools

SpaceAutomator uses a threshold-based, event driven processor to initiate action on a periodic basis, or based on the occurrence of events from a variety of sources.

### Customizing collection intervals

SpaceAutomator allows the user to define the scan frequency and timing of any SpaceFinder function based on user-created requirements.

### Ensuring maximum availability while controlling cost

SpaceAutomator extends the expertise of the storage administrator by reducing infrastructure complexity and simplifying the management of storage growth.

### Automating day-to-day storage activity

SpaceAutomator can initiate jobs or submit tasks on a pre-defined day, or time of day. This can include the occurrence of an event monitored by SpaceFinder, or another user-defined trigger event.

## Solution

SpaceAutomator makes it easy to automate countless manual storage management tasks to manage a wide range of OS/390 or z/OS storage resources across multiple MVS images and LPARs. With event and threshold-based automation, SpaceAutomator helps to establish storage management best-practices and define rules that automate day-to-day management activity.

SpaceAutomator initiates actions that save time and eliminate the risk of human error created by routine manual tasks occurring across your mainframe data center.

Perform tasks automatically - Eliminate the time-intensive process of manual troubleshooting. Maintain the desired state of your environment and reduce job failures with threshold-based and event-driven automation.

Apply consistent storage management policies - Define best-practices and apply rules-based automation for a variety of storage events. User-defined policies initiate sophisticated automation or simple event management tasks.

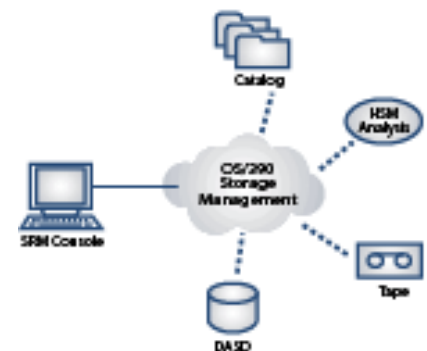
Establish scheduled automated tasks - Use predefined routines that execute critical tasks or processes.

Track resources in real time - Monitor numerous resources, including space shortages and allocation, VTOC utilization and indices, storage groups and volumes, free DSCBs, free space extents and net capacity load for RVA systems.

Enable Best Practices - Through consistent management of pools, volumes and thresholds, Automator's rules allow the Storage Admin to institute a Best Practice approach to storage.

## Key Benefits

- ▶ Automate routine storage management actions for OS/390 or z/OS Sysplex environments and multi-LPAR environments.
- ▶ Centralize control of S/390 storage inventory to enable automation with exception-based best-practices.
- ▶ Leverage best-of-breed tools to eliminate the need to create and support complex scripting required for home-grown solutions.
- ▶ Manage by exception with 24/7/365 monitoring of individual DASD volumes, SMS storage groups and logically defined volume pools for the occurrence of events to trigger user-defined automated actions.
- ▶ Extend management control with automated actions based on volume utilization, VTOC utilization, free extents, DSCB utilization, DFSMS status, fragmentation index and many other conditions.
- ▶ Eliminate the risk of human error with a user friendly panel-driven rule-editor.
- ▶ Improve DFSMSshm results and reduce the need to run the DFSMSshm Interval Migration.



*Automate storage management and implement best-practices across your S/390 enterprise.*