

JS7 JobScheduler



WORKLOAD AUTOMATION

JS7 JobScheduler allows you to optimize and increase the performance of your company by coordinating all your IT tasks and file transfers (FTP, SFTP, SMB, etc.).

Key Features

Cross-Platform

Unique Web Interface

FileWatching

Yade File Transfers (FTP, SFTP, etc.)

Manage Resources

Calendars

Free Documentation

Notification - Alerting

REST API - JSON

Jobs - Audit Logs

JS7 FOR YOUR COMPANY



Are you looking to change your scheduler? Are you looking to automate your recurring IT tasks and file transfers? If so, JS7 JobScheduler is the ally you need.

JS7 OPEN SOURCE & COMMERCIAL

JS7 is an open source JobScheduler that comes with a dual licensing model. This means that JS7 is available with an Open Source License (GPLv3) and a Commercial License for enterprise customers who require more advanced features.

Customers with the commercial license benefit from additional features and services that are not available with the Open Source License. Additional features include e.g. JS7 component clustering, which strengthens the resilience of their infrastructure and ensures continuity of IT production service. Commercial customers can choose from an extended range of support, services, training and consulting.

JS7 - DEVOPS

A set of REST APIs and a PowerShell interface are at your disposal to offer you a DevOps scheduling service. All actions available from the JOC Cockpit web interface are also available with our REST APIs. Tested and validated Docker images published on Docker Hub will accelerate your projects and reduce your costs. Professional support is available for these environments. It is possible to choose between Public and Private Cloud. For commercial customers a service is available, that will give access to EC2 images that are standardized for your company.

JS7 BENEFITS

- Performance optimization
- IT production incident reduction
- Change management
- Better SLA & reactivity
- Reduction of IT costs
- Quick start-up
- Flexible licensing

A major actor in your digital transformation.

JS7 ON-PREMISE & CLOUD

JS7 can be integrated on all Linux and Windows platforms, either "On-Premise" or in the "Cloud". You can orchestrate your IT tasks and file transfers to respect the deadlines imposed by the business and by the digital transformation. JS7 is optimized to limit the use of resources on your servers and the low power consumption allows the integration into a Docker environment.

For more information:

<https://sos-berlin.com>

JS7 PERFORMANCE

JS7 is designed for performance, the scalable and agile product meets highest requirements for large infrastructures.

The scalability offered by JS7 allows you to choose your centralized or non-centralized architecture according to the governance applied in your information system.

High performance is possible through the automation of all tasks from operating to the most complex business processes.

JS7 RESILIENCE

To guarantee resilience, all JS7 components can be clustered and a service is available and accessible 24/7 to your teams.

JS7's asynchronous architecture allows continuity of your scheduling services in the event of a network outage or even when a JS7 Controller is unavailable.

This resilience avoids delays with the execution, with incidents and calls in on-call during the non-working hours, which otherwise can become a considerable budget issue in your production.

JS7 SECURITY

Enhanced security on every level:

- **USERS**

The authentication can be done by LDAP/AD or by Certificates. It is possible to assign roles to your teams that consider their level responsibility. All actions performed manually by a user is recorded in an audit log to ensure real traceability of actions and improved monitoring of changes.

- **INFRASTRUCTURE**

To secure internal exchanges and ensure authentication between components, the use of SSL/TLS certificates is facilitated by a centralized management of certificates by JS7. Creating, importing, deploying and revoking certificates can then be done from the JS7 Cockpit interface.

A real partner for the durability of your IT system.

- **DEPLOYMENT**

A roll-out can include calls to commands, scripts and operating system binaries. Such deployments should be considered as code injection on a remote machine.

To secure and guarantee that these workflow deployments are performed by authorized individuals, JS7 offers certificate-based deployment signing. Guaranteed deployments of non-repudiation and integrity for the durability of your IT production.

Key figures

+1M
Jobs

+200K
Workflows

+20K
Parallel executions

JS7- JOC COCKPIT

JS7 JOC Cockpit, is a unique Web Interface that provides users with an overview and general view of their IT production in real time.

From the Cockpit users can create and perform actions, e.g. execute tasks such as launch; stop; restart etc. All transactional job logs can be read and downloaded from the Cockpit in real time. And another highlight: complex workflows are created within seconds by using the **drop and drag** functionality. A single interface is accessible from any web browser.

Demo

Try our free demo version to discover all the features of JS7

Version accessible in less than 2 minutes here : [Try-Out](#)



DASHBOARD

VIEW IN REAL TIME

The dashboard provides a comprehensive overview of the system's health and performance. It includes several key sections:

- Orders:** A summary table showing the status of various orders (Pending, In Progress, Running, Suspended, Completed, Waiting, Blocked, Failed).
- History:** A table detailing successful and failed orders and jobs.
- Daily Plan:** A visual representation of the daily workload.
- Inventory:** A summary of system resources including workflows, jobs, resource locks, and schedules.
- Cluster Status:** A hierarchical diagram showing the status of different cluster nodes and controllers.
- Agent Status:** A circular gauge indicating the overall system health.
- Controller Status:** A detailed table listing active controllers with their IDs, URLs, statuses, and titles.

WORKFLOW

VIEW IN REAL TIME

The workflow view allows users to visualize and manage the execution of complex jobs. It features a grid-based interface where jobs are represented as nodes and their dependencies as arrows. The workflow shown includes a start node, followed by a parallel execution of two paths, each leading to a series of sequential jobs (e.g., job1, job2_1a, job2_1b, job2_1c, job2_2a, job2_2b, job2_2c), and finally merging back into a single path.

CONFIGURATION

CREATION & MODIFICATION

The configuration view provides a detailed look at the workflow and its associated properties. It includes:

- Inventory:** A tree view showing the system's configuration structure, including controllers, workflows, and jobs.
- Workflow Diagram:** A visual representation of the workflow being configured, with nodes and dependencies.
- Properties Panel:** A sidebar on the right that allows users to modify the configuration of the selected job, including its name, label, title, agent, job resources, return code, job class, and script.

For more information:

<https://sos-berlin.com>



Our Addresses

GERMANY

Software- und
Organisations-
Service GmbH
Giesebrechtstr. 15
D-10629 Berlin

FRANCE

FOST SAS
Groupe SOS-
BERLIN
293 Boulevard
Saint-Denis,
92400 Courbevoie

SWITZERLAND

Software- und
Organisations-
Service AG
Seestrasse 35
CH-6454 Flüelen

ABOUT US

SOS GmbH has been committed to Open Source since 2005 to become a pioneer in scheduling solutions. Our various products are constantly being improved by our teams to effectively meet the needs of its customers. We offer our customers a wide choice of services and support levels.

Our customers and users in more than 100 countries trust us for their business.

+280

Clients

+2K

**Open Source
Users**

+100

Countries

OUR SERVICES

Licenses-Support 24/24h 7J
Training
Consulting
Proof of Concept
Migration

CONTACT US

sales@sos-berlin.com



JS SEVEN

For more information:

<https://sos-berlin.com>