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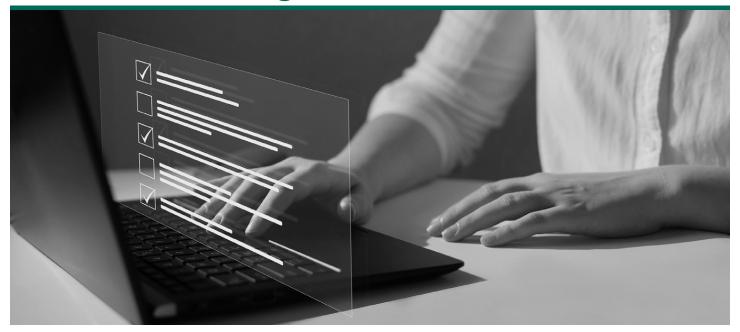
Job Scheduling Checklist

Using these Criteria

The following is a detailed list of evaluation criteria that you can use to benchmark the features and functions of various job schedulers your organization may be considering. This checklist provides a way to thoroughly assess how well a given product meets your needs now and in the future.

Platform Integrations	JAMS	Competitor
Windows, Linux, and UNIX	✔	
Cloud (AWS, Azure)	✔	
Windows VM	✔	
z/OS, zLinux, IBM i, and OpenVMS	✔	

Out of Box Integrations	JAMS	Competitor
Amazon Web Services	✔	
Banner	✔	
Ecometry	✔	
Informatica	✔	
JD Edwards	✔	
Micro Focus	✔	
Microsoft Dynamics AX	✔	
Microsoft SQL Server	✔	
NeoBatch	✔	
Netezza	✔	
Oracle PL/SQL	✔	
Oracle E-Business Suite	✔	
PeopleSoft	✔	
SAP	✔	
SAS	✔	
Symitar	✔	

Architecture	JAMS	Competitor
Centralized GUI with access to all schedulers and agents	✓	
Agent communication secured via web sockets and x509 certificates	✓	
Inbound, Always-on Agent support	✓	
REST API	✓	
Active Directory support / ADAM support	✓	
High Availability – Active/Active and Active/Passive	✓	
Unlimited Clients – Rich Desktop Client, Responsive Web Client, SDK, PowerShell	✓	
Available as an AMI in AWS Marketplace and a VM in Azure Marketplace	✓	
.NET SDK for integration with custom applications	✓	
Objects exposed via PowerShell provider	✓	

Job Execution Methods	JAMS	Competitor
30+ built-in execution methods	✓	
SQL – SSRS, SQL Stored Procedures, SSIS, SQL Agent, and SQL Command	✓	
Native FTP, SFTP, FTPS, SCP, and S3 file transfer	✓	
Source code support for any scripting language	✓	
SSH support for agentless job execution	✓	
Support for non-standard exit codes	✓	
70+ PowerShell cmdlets	✓	
Windows Workflow and Workflow designer	✓	
Invoke .NET Assembly methods without scripting	✓	
Invoke COM methods without scripting	✓	

Scheduling Features	JAMS	Competitor
Date/time-based scheduling	✔	
Event-based scheduling / triggers	✔	
Ad hoc scheduling	✔	
Serial, parallel, and control-flow processing of jobs	✔	
Job chaining	✔	
Job dependencies (job, file, variable)	✔	
Job dependencies between multiple schedulers	✔	
Execute jobs on multiple schedules	✔	
Integrated restart/recovery	✔	

Monitoring and Reporting	JAMS	Competitor
Real-time dashboards + dashboard designer	✔	
Projected schedule view	✔	
Report designer	✔	
Automated report generation	✔	
Output formats include PDF, HTML, XLS, XLSX, CSV, and TXT	✔	
Graphical view of job stream design and execution progress	✔	

Alerting	JAMS	Competitor
Customizable HTML email alerts	✓	
SYSLOG messages	✓	
Extensive job failure notifications (running too long, too quickly, missed window, too short, etc.)	✓	
Able to scan log files for error or success patterns	✓	
Customizable, stackable documentation	✓	

Auditing	JAMS	Competitor
Unlimited history archiving	✓	
Built-in history querying tools	✓	
Job versioning and rollback	✓	
SOX and SSAE-16 required information recorded for each job execution	✓	
Integrated restart/recovery	✓	

Load Balancing	JAMS	Competitor
Throttle jobs based on resource availability	✓	
Queues for limiting executions	✓	
Batch queues provide load balancing across one or more servers	✓	
Auto Scaling of virtual machines with cloud deployment (e.g. Azure or AWS)	✓	
Support for maintenance windows	✓	
Built-in deployment of agents from the GUI	✓	

Security	JAMS	Competitor
Customizable security roles and rights	✔	
Integration with Active Directory	✔	
Supports Windows identifiers and ACLs for local accounts	✔	
Encrypted password storage and runtime encryption	✔	
Submit jobs to run under a different account than your own	✔	
Public/private key management	✔	

Job Organization	JAMS	Competitor
Access to 100+ job templates	✔	
Folder structure enables jobs to inherit properties and share parameters	✔	
Centralized control of variables and parameters	✔	
Support for relative references to job definitions	✔	

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