


Enterprise Job Scheduling Checklist

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

	 JAMS JOB ACCESS & MANAGEMENT SYSTEM	Product X
General		
Cross Platform Scheduling Capabilities (Windows, UNIX, Linux, OpenVMS, System i, All Virtual Platforms, MacOS, zLinux, etc.)		
Support for native x64 and x86 Windows platforms		
Single GUI to connect to multiple Schedulers and Agents if necessary		
Kerberos Support		
Active Directory Support / ADAM Support		
Windows Management Instrumentation		
High Availability Architecture supporting Clustering and Standalone Automated Failover		
Scalable Architecture to support 500k+ jobs/day and more than 2,500 Server Connections		
Event-Driven Architecture		
Free, Unlimited Deployment of Admin Clients		
Scheduling		
Date/time based scheduling		
Event based scheduling		
Ad hoc scheduling		
Multiple jobs can be tied together in a Setup or Workflow		
Nested Jobs and Job Plans supported through Setups and Workflows		
Unlimited number of Job dependencies on one or multiple jobs in a Setup or Workflow		
Job dependencies between different schedulers		
File presence, absence & available dependencies and events		
Variable comparison dependencies		
Graphical Gantt view of the schedule with projected time runs		
Hooks for user defined dependencies		
Graphical view of job stream design and execution progress		
Web Services Jobs utilizing WSDL's without scripting		
SSRS and Crystal Reports		
Automated Provisioning and De-Provisioning of virtual systems		
SMTP email jobs including attachments		
FTP/SFTP/FTPS/SCP Support		
Ability to invoke .NET Assembly methods without scripting		
Ability to invoke COM methods without scripting		
Job Management		
Sample Library provided with sample jobs for a wide range of automation activities		
Folders provide a hierarchy for job management and organization		
Jobs can be copied and used as parts of multiple Setups and Workflows		

Workload Management		
Resource based workload management		
Supports queues to manage executing job counts		
Able to load balance across multiple servers		
Easy to add or remove servers from the environment		
Event Management		
Customizable email alerts		
SMS text alerts		
Voice calling alerts		
SNMP Trapping for communicating events		
SNMP MIB included		
SYSLOG messages		
Event Job Triggers		
Alert Notifications as Job Triggers		
Calendars		
Supports multiple, user defined calendars		
Dates are expressed in natural language syntax		
Dates can be passed to jobs in multiple formats		
Programmatic control of date definitions		
Easily schedule maintenance windows		
Exception Management		
Supports notification via e-mail or user defined method		
Notifies of failed job		
Notifies of job running too long		
Notifies of job completing too quickly		
Notifies of job pending too long		
Notifies of job missing its run window		
Integrated restart/recovery instructions		
Auditing		
Extensive history is kept of every job executed		
Powerful, complete history query capabilities		
Support for rollback to previous versions of the schedule		
Detailed audit trail of changes made to parameters		
Security		
Flexible Security Model, including complete integration with Active Directory		
Supports standard Windows identifiers and ACLs		
Passwords are encrypted in the database and on the network		
Ability to grant the right to submit a job that will run under a different Windows account		
Detailed user security		
Job Execution Environments		
Supports numerous "out of the box" execution methods		
Scripting Language Independence – integrates with any scripting language		
SSH support for agentless job execution		
Public/private key management		
Easily extensible execution methods to support any application and database.		
Able to pass multiple parameters to a job		
Multiple exit status handling options		
Centralized control of variables and parameters		

Able to scan log files for error or success patterns		
Reporting		
Extensive array of predefined reports		
Integrated report designer for custom reports		
Automatic report generation		
Many report output options - PDF, HTML, XLS, CSV, Text		
Application Integration		
Fully exposed .NET class library		
Drop in job submission menu control		
Easily customized job submission menu		
Event driven monitoring API		
PowerShell Support		
Extensive set of cmdlets with help		
Objects exposed via PowerShell Provider		
Supports executing PowerShell jobs		
Integration with Microsoft PowerShell ISE and PowerGUI		
PowerGUI PowerPack included		
Workflow Foundation Support		
Windows Workflow Designer included		
Supports executing Workflows		
Pause idle Workflow Processes		
Provides WF Activities for job scheduling		
Provides user interaction WF Activities		
Ability to import custom WF Activities		
Ease of Use/Implementation		
Conversion Utility for Windows Task Scheduler		
Conversion Utility for SQL Server Agent		
Conversion Utility for Cron		
Conversion Utility for ERP Solutions		
Conversion Utilities for Third Party Scheduling Solutions		
Built-in adaptors for Dynamics, Netezza, Oracle EBS, PeopleSoft, JDE, SAP, SharePoint, etc.		
Remotely deploy Agents within minutes		
Sample Jobs Library included		
Licensing		
Works in a Dynamic Environment where licenses can be moved without requiring additional fees		
Flexible licensing models for both small organizations (less than 250 jobs/day) and large organizations (more than 100k jobs/day)		
Technical Support		
24x7 Telephone Support		
Online Chat Support		
Online Technical Repository		
Onsite Implementation Services		

In distributed enterprises, it is difficult to overestimate the critical role job scheduling plays in keeping applications flowing smoothly and efficiently. Given that it is routine for tens of thousands of jobs to pass through a data center daily, a flexible, scalable job scheduler is more indispensable than ever.

For more information on JAMS, please call 800.261.JAMS or email Sales@JAMSScheduler.com.

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