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## Simplifying Batch Scheduling

### Highlights

- Manage all batch processing servers from a single machine.
- Consolidate batch processing across all platforms, applications, and databases.
- Transition from static, calendar-based scheduling to true business process automation.
- Migrate batch jobs easily among development, test, and production environments.

### Simplify batch scheduling through consolidation and automation

IT organizations are struggling to keep up with batch scheduling as batch windows shrink, and more and more jobs are added to a growing number of platforms and databases. Complicating the problem is that IT has to deal with a wide variety of disparate platforms, applications, and databases. That means grappling with a large number of application-specific scheduling tools and consoles.

A substantial portion of today's business processes leverage batch operations. So it's essential to keep your batch production line running smoothly in order to keep your business running efficiently. To meet the challenge, you need to simplify, consolidate, and automate batch scheduling.

### JAMS Provides the Solution

With the advanced batch processing capabilities of JAMS, you can proactively manage all batch processes across the enterprise from a single machine. This comprehensive solution meets the needs of even the largest enterprises, easily handling hundreds of thousands of tasks a day across a wide variety of platforms, applications, and databases.

Whether you are consolidating your data center operations, moving applications to more cost-effective platforms, transitioning from customized to packaged applications, or just want to simplify batch scheduling, JAMS will help. With JAMS, you can:

- Simplify and lower the cost of batch management with a single, intuitive graphical user interface across all batch processes.
- Increase the productivity and efficiency of your operations staff by automating batch scheduling tasks.
- Improve service levels while reducing costs with a proactive approach to batch management.
- Minimize the risk of failed jobs with intelligent scheduling that validates the availability of all required resources before starting a batch process.

## **Simplify, Consolidate, Automate**

With JAMS, you can move to a proactive approach to batch management, one in which you manage by exception. That frees up a great deal of your staff's time that can be used for more strategic endeavors.

JAMS delivers a number of advanced capabilities that enable you to simplify, consolidate, and automate batch scheduling. Capabilities include simplified management, broad and deep coverage, streamlined job migration, and real-time intelligent scheduling. MVP Software complements this comprehensive solution with consulting services that provide you with broad and deep domain expertise in batch management. MVP experts are available to help you get up and running quickly and to realize the full value of JAMS.

## **Single Point of Management without a Single Point of Failure**

JAMS permits you to manage all batch operations from a single console — across all platforms, applications, and databases. An easy-to-use graphical interface brings unprecedented simplicity to batch scheduling.

While, a single point of management is critically important, it's also critically important to avoid a single point of failure. Some solutions support only a single scheduler while others require that you install a scheduler on every server. JAMS gives you the freedom to select an architecture that best meets your requirements. Each JAMS Scheduler can run jobs on an unlimited number of Agent machines. You decide how many schedulers you need and, you can still manage them all from a single console! You can of course have many management workstations connected simultaneously.

## **Simplified Management**

No longer will your operations and scheduling staff have to struggle with multiple tools and arcane scripts. Instead, users can take advantage of simple graphical operations to set up even the most complex jobs, such as jobs that involve synchronization across multiple, heterogeneous resources. What's more, you can capture run book operational instructions and restart procedures and store them with your job definitions. So you can ensure that your operations staff consistently follows your company's best practices.

You also get an up to the minute view of the status of all existing jobs. In addition, you see a mapping of batch tasks to the business processes they support, so you can gain insight into the business implications of all batch processes. Because of the familiar Microsoft Outlook-like interface and easy application integration, you can involve your business users in batch scheduling to ensure close alignment between IT and the business units it supports.

## **Broad and Deep Coverage**

JAMS accommodates even the most diverse data centers. The solution covers both distributed and mainframe platforms, including Windows, OpenVMS, UNIX, Linux. It seamlessly integrates with leading ERP, SCM, and CRM applications, including SAP, PeopleSoft Enterprise, Oracle E-Business Suite, and Informatica. And, with support for Microsoft's new Workflow Foundation, integration and automation gets easier and more comprehensive.

The broad coverage provided by JAMS is especially useful if you are migrating applications or databases to different platforms. For example, you may be consolidating applications onto more powerful servers or moving applications to more cost-effective operating platforms. With JAMS,

you can manage scheduling on both the source and the target platforms during the migration, ensuring a smooth transition. What's more, you can easily revert to a previous platform configuration if you run into issues during the migration.

In addition to breadth of coverage, JAMS provides depth of coverage. MVP development engineers have extensive domain expertise on all supported platforms, applications, and databases. As a result, they have built rich functionality into JAMS that fully exploits the capabilities of these platforms, applications, and databases with respect to batch scheduling and management.

## **Streamlined Job Migration**

One thing you can count on in any IT environment is continual change ... additions and changes to applications, to databases, and to the IT infrastructure, as well as updates to your batch scheduling tools. That means you have to add and change batch processes to ensure continuing operation.

To minimize risk, you need to test your new or changed batch processes prior to releasing them into production. That typically means testing in a development environment, then testing in a QA environment, and finally promoting the jobs to the production environment. Migrating jobs manually from one environment to the next can be a tedious, time-consuming, and error-prone task.

Fortunately, the new JAMS PowerShell Provider solves the problem of moving and managing job definitions. All of the JAMS objects (jobs, setups, systems, etc.) are exposed through the PowerShell provider, which makes moving jobs as easy as moving a file. You already know how to manage the files on your server and now you can manage JAMS the same way!

No longer will you have to go through the agonizing process of manually recreating jobs as you move between platforms. You can move thousands of scheduler definitions — including jobs, setups, systems, calendars, triggers, variables and more — in minutes. What's more, if you run into issues, JAMS permits you to quickly and easily roll back the target platform to its previous state.

## **Real-time, Intelligent, Resource-Based Scheduling**

Traditional scheduling tools operate based on a static schedule, blindly kicking off batch jobs according to the schedule. JAMS introduces a whole new way of scheduling jobs. In addition to initiating jobs based on a static set of rules, JAMS can initiate jobs based on real time events such as the arrival of a business partner's database update.

The innovation of this advanced solution does not end with real-time scheduling but also includes intelligent scheduling. Before initiating a job, JAMS first makes sure that the target application and platform are capable of running the job at that time. It automatically checks such factors as:

- Are prerequisite jobs complete?
- Are there sufficient resources available to run the job without negatively impacting the performance of the application?

If JAMS determines that it cannot run the job immediately, it does not initiate the job and notifies the appropriate people of the problem.

## **A Complete Solution**

The MVP team has deep domain expertise in enterprise automation. You can tap this expertise through MVP Consulting Services to help you get up and running quickly with JAMS.

MVP consultants help you design and deploy your unified enterprise batch scheduling system based on JAMS. The consultants leverage automated tools to quickly migrate batch job definitions from your existing schedulers to JAMS. What's more, the consultants work with your scheduling team to ensure that team members can fully leverage the advanced capabilities of JAMS to gain maximum value.

## **For More Information**

To find out more about how JAMS can help you consolidate, automate, and simplify your batch scheduling processes, contact us at:

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