General Overview:
Advanced Systems Concepts, Inc. is a leader in the development of Workload Automation and Enterprise Job Scheduling software. Our software simplifies the automation and integration of business and IT operational processes across single or compound workflows that can share data and manage dependencies. Automating as well as integrating workflows improves resource utilization, ensures higher service levels and reduces the overall cost of operations.

ActiveBatch® Enterprise Job Scheduling & Workload Automation reduces the complex challenges of today's IT organizations by offering a single point of control that integrates systems never designed to work cooperatively. These systems include applications, databases and technologies and their business and IT processes are then unified into end-to-end workflows.

ActiveBatch supports "Script Free" integration that includes web services, stored procedures as well as extensions for mission-critical applications, such as:
- SAP
- Informatica PowerCenter
- IBM DataStage
- IBM Cognos BI
- SQL Server
- Oracle
and many more using events for timely initiation of these processes.

>PROBLEM
Enterprise Resource Planning (ERP) solutions, such as Microsoft® Dynamics™ AX, have proven themselves to be critical to the success of the business. However IT developers find themselves limited in their ability to build and automate workflows using only native scheduling capabilities. The automation offered within Microsoft Dynamics AX system is limited to simple date/time scheduling while only supporting Dynamics AX processes. Additionally, the inability to initiate Dynamics AX workflows based on complex IT events, such as the arrival of an email, web services, or a Secure FTP and more are further limitations that have to be overcome to meet the real-time needs of the organization.

Compounding the automation problem is a growing application library that adds to the complexity of automating and integrating heterogeneous workflows that require the passing of data and managing dependencies across an array of enterprise systems and technologies. As a result, IT developers are relying on custom scripting in order to meet the automation goals of the organization. Custom script creation is time consuming, requires a high level of expertise to develop, debug and maintain and has proven to be costly.

Dynamics AX requires a proven and easier approach in building workflows as well as a robust automation architecture that supports Microsoft Dynamics and other key applications, data sources and platforms. To accomplish this, organizations are turning to ActiveBatch® Workload Automation and Enterprise Job Scheduling to achieve a single point of control to more easily build and automate workflows that share data and manage dependencies across Microsoft Dynamics AX and other applications and systems throughout the enterprise.

>SOLUTION
The ActiveBatch® Extension for Microsoft Dynamics AX offers industry leading scheduling and automation capabilities that simplifies the building and automating of IT processes across the organization. By using ActiveBatch to automate and manage Dynamics AX processes, developers can move quickly and reliably from development to production as they benefit from ActiveBatch’s rich event automation architecture that includes a range of events that are supported across platforms and application types, including Email, File events, Web Services, Microsoft Message Queue and more. These capabilities allow IT departments to better support real-time business demands at a more affordable price point.

ActiveBatch’s use of Alert Objects makes it easy to monitor workflows so failures or other issues can be quickly identified and operations notified via email, text message, SNMP and more. Workflow failures can be automatically entered into Help Desk systems, such as Microsoft System Center’s Service Manager, to ensure an improved time to resolution.

Microsoft Dynamics AX workflows, when using ActiveBatch, can incorporate Service Level Agreements (SLAs) to communicate statuses and allow ActiveBatch to “take action” in managing job execution priorities. By doing this, computing

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resources can be managed by ActiveBatch to meet the expectations agreed upon by the organization and their IT counterparts.

The ActiveBatch Integrated Jobs Library provides over 130 templated Job Steps that include a wide variety of tasks that would normally require a custom script (e.g. SFTP, Flow Control, database jobs, Java and more). These production-ready Job Steps allow users to easily build workflows in a drag-and-drop interface eliminating manual errors and delays in processing otherwise experienced due to custom scripting. In addition, there are a large number of ActiveBatch Extensions for enterprise applications that can be added to the Integrated Jobs Library. These ActiveBatch Extensions allow users to build robust workflows that span applications and departments throughout the organization.

> EXAMPLE
Developers and business architects can use ActiveBatch’s Job Steps to automate Dynamics AX processes more dynamically than ever before. Users can build a workflow to automate a Dynamics AX batch job, output the job log, start another process, and/or log off the system - all via the simple drag-and-drop interface found in the Integrated Jobs Library. The same workflow can then be triggered based on file arrival via SFTP, an email arrival or other IT events.

Alternatively, users can build compound workflows that integrate Dynamics AX with other applications or databases. As the screenshot demonstrates, users can utilize the “Run Batch Job” Job Step to schedule a Dynamics AX report, and based upon its successful completion, create a new List Item within SharePoint, another ActiveBatch Extension, and post that report for other users within the organization to view.

> BENEFITS
Incorporate Microsoft Dynamics AX within the context of a centralized cross-platform and cross-application enterprise scheduling system to automate all of your Business and IT Operational Processes.

Reduce errors and minimize delays by automating manual tasks.

Leverage ActiveBatch’s event automation architecture, compliance, auditing capabilities and alert mechanisms to more effectively schedule, automate and monitor Dynamics AX processes.

> PARTNERSHIP
Advanced Systems Concepts, Inc. is a Microsoft Silver Independent Software Vendor (ISV).

> LEARN MORE ABOUT ACTIVEBATCH INTEGRATIONS FOR MICROSOFT
ActiveBatch is an industry leading cross-platform solution that supports the automation and integration of Microsoft and other enterprise applications, databases and technologies that simplify the building and automating of single or heterogeneous workflows. ActiveBatch includes core capabilities that include SQL Server, Task Scheduler, PowerShell as well as ActiveBatch Extensions for: SharePoint; Team Foundation Server (TFS); System Center Operations Manager (SCOM), Service Manager (SCSM) and Virtual Machine Manager (VMM); and more. Visit our website for additional information.

Contact Advanced Systems Concepts, Inc.
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