

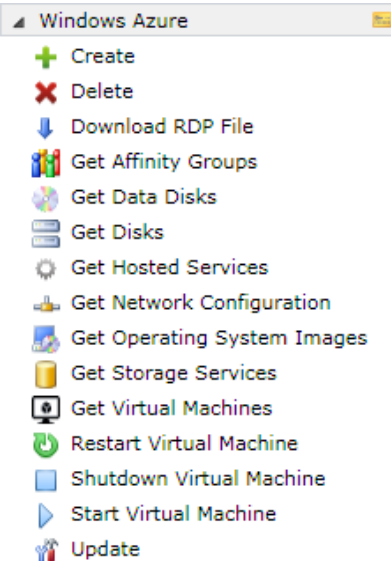
ActiveBatch®

Dynamically Allocate Microsoft Azure Resources to Workload Processing with "Just In Time" Provisioning

Benefits

- Reduce Operating Expenses by dynamically provisioning and managing cloud resources with "just in time" resource provisioning.
- Integrate Microsoft Azure process types throughout the IT organization for better control of workloads running across both virtual and cloud environments.
- Streamline and Improve datacenter automation and efficiency by combining the execution of business processes and datacenter operations.

ActiveBatch: Version 9 SP3 and above



Microsoft Azure Automation: IT Boundaries Identified

As IT organizations increasingly rely on virtual and cloud-based environments, managing the provisioning and de-provisioning of these resources to ensure their availability for workload processing can be challenging. Coordinating the availability of hosts through power management, preserving and restoring machine states through snapshots and configuring servers for specific tasks using platform-specific automation solutions can be problematic. Add to this the growing number and increasing variety of physical, virtual and cloud computing environments comprising your IT environment, and it becomes clear that a single automation solution for managing the workflows that span these different environments is required.

Automatically Allocate Cloud Resources to Workload Processing

ActiveBatch® allows IT organizations to combine dynamic workload automation and management with the power and flexibility of cloud computing. Automating the management of Microsoft Azure instances within ActiveBatch provides the most effective way to automatically allocate cloud resources to workload processing where and when it is needed.

The ActiveBatch Extension for Microsoft Azure allows users to automate the provisioning and management of Azure instances within workflows that can manage other applications, platforms and process types, all from within the centralized interface of ActiveBatch. The ActiveBatch Extension for Azure provides over 60 Integrated Job Steps to automate various Azure tasks, including the provisioning and de-provisioning of Azure machines, the management of individual or groups of instances, security tasks, machine snapshots, rebooting, synchronizing or terminating instances and much more. These Job Steps are designed to provide users with a broad range of automation capabilities.

Leverage the ActiveBatch Smart Queue to Automate Microsoft Azure Instances

ActiveBatch also provides for the automated provisioning of Microsoft Azure instances based on workload demands. Rather than manually building Azure Job Steps into individual ActiveBatch workflows, users can leverage ActiveBatch's Smart Queue capabilities, allowing ActiveBatch to automatically provision Azure instances based on operating parameters and thresholds entered into the Smart Queue by the user, such as maximum number of virtual machines. ActiveBatch will then automatically "spin up" additional Azure instances in advance of scheduled workloads to ensure adequate resource availability.

Use Case

Automate the provisioning and configuration of a Microsoft Azure instance based on a workflow that only needs to run when a certain IT event occurs, such as an email being received. The workflow could power up the Azure instance, run the job, take a snapshot for checkpoint backups and de-provision the machine to conserve resources.

Additionally, the workflows can be integrated with other operations through the enterprise by leveraging the ActiveBatch Integrated Jobs Library, which provides over 130 production-ready Job Steps for various applications, databases and systems.

Users can create an ActiveBatch workflow that automatically creates an Active Directory and Exchange account and provisions an Azure machine for a new employee based on HR uploading a file to a network location.