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BPA Server carries the concept to a higher level by allowing a developer to assign each distinct event, condition or task that reside within the same workflow to execute on different machines. The workflow itself is always managed by the BPA Server component, however, the objects, such as tasks, events and conditions, which are contained inside the workflow can be allocated to run on different machines by means of assigning an [agent](#) to each object. This permits a single workflow the capability to monitor for certain events or conditions to occur and execute tasks on separate machines located in different physical locations, while all being a part of the same process.

**NOTE:** Standard edition only allows a maximum of 10 agents, whereas, Enterprise Edition allows an unlimited amount.

## FILE MANIPULATION

AutoMate BPA Server contains a wide assortment of file related activities, providing complete control and management of files in your system. These activities can [copy](#), [move](#), [delete](#) and [create](#) files or folders. They can [rename](#) a batch of files or folders (i.e. to include the current date to a file or add sequential numbers to folders/sub-folders). From an administrative standpoint, these activities are highly useful for employing automated backup of critical files and data without writing scripts, batch files or custom programs. With the use of the [Schedule](#) condition, time consuming back-ups can be scheduled to run in the evening or during down-time, reducing unwanted delays and optimizing efficiency.

## DATABASE QUERIES

AutoMate BPA Server can easily interact with most standard database systems and its associated databases through the [SQL Query](#) and [Stored Procedure](#) activities. This involves setting up an initial ODBC connection to the desired database, which is a necessary procedure in Microsoft Windows to execute SQL statements on database engines provided by various vendors. This is ideal for automated retrieval, update, manipulation or transfer of data stored in a database. All standard SQL statements or commands are supported, including "Select", "Insert", "Update" and "Delete" to name a few.

## EXCEL

AutoMate BPA Server's [Excel](#) activities enable users to automate common to complex Excel operations and to integrate Excel spreadsheets with enterprise applications and databases – all without writing code. The Excel activities enable creation of workbooks and worksheets, data retrieval and migration, integration of data with enterprise applications and external databases, and more.

## AGENT FAILOVER

AutoMate BPA Server provides [Failover](#) capability in servers, systems or networks requiring continues availability and a high degree of reliability. Failover is the ability for an Agent to switch over automatically to a redundant or standby AutoMate BPA server component upon failure or abnormal termination of the previously active server component. Failover happens without human intervention. The second server will immediately take over the work of the first as soon as it detects a loss of communication.

## AGENT GROUPS

An [Agent Group](#) is a distinct AutoMate BPA Server object that contains one or more Agents within a logical group. They can be used as a workflow object in place of individual Agents to conveniently distribute conditions and tasks to multiple machines across an enterprise.

## EXCLUSIVE ENTERPRISE EDITION FEATURES