

# Smallworld Service

## Solution Overview

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SWService is a Windows Service wrapper for managing Smallworld server based applications. The SWService product enables Smallworld server applications, such as SIAS to be run as Windows Services with comprehensive service management capabilities.



Other Windows Service wrapper products fail to provide sufficient control for a Smallworld server session. Specifically if the Magik server application crashes, the service cannot detect this and either restart the Magik process or restart the entire Server image. Using SWService, the service has direct communication with the Magik server application and can check if it is running correctly, if not then the service can be configured to restart the Magik server application or alternatively stop and start (recycle) the server image.

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### **Key Features:**

- If the Magik server application crashes, the SWService communicates directly with the Magik server application and can check if it is running correctly
  - Standard Windows Service functionality allows vital Magik server applications to automatically start when a server starts
  - Fully compatible with all Windows versions supported by Smallworld
  - Comprehensive statistics logging to aid with Service setup and tuning
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### **Benefits:**

- A configurable check process command can be used to detect and repost if the server has stopped working
  - With the timed command option a Magik command can be fired at the Magik server periodically to allow the server to act as a reliable job server
  - Compatible with both direct and gis\_alias approaches to starting Smallworld applications
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### **About Spatial Business Systems:**

Spatial Business Systems, Inc. is a geospatial technology solutions firm based in Denver, Colorado, USA that specializes in highly integrated, enterprise GIS solutions. SBS is uniquely experienced at integration of GIS with traditional information systems and seamless coexistence solutions of different GIS products. Spatial Business Systems personnel have performed over 100s of engagements in support of the utility, telecommunications and government markets.

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