Web Application Stress Testing and Blaise IS

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An important consideration for web surveys is the scalability of an application: how many simultaneous users can the server configuration support before response time degrades significantly. The issue may be more relevant for Blaise IS in that it enables implementation of large complex web surveys more so than many other systems. This paper discusses techniques and approaches for implementing stress testing Blaise IS applications using the Microsoft Windows Application Stress (WAS) software. Topics covered include:

- Adapting IS datamodels and IS supporting elements for stress testing
- WAS procedures and metrics
- Integrating IS journal data and IS database information with WAS metrics
- Stress test reporting
- Approaches to automating WAS stress testing
- Considerations for single server and multiple server architecture implementations