

Notes on Implementing a Secure and Scalable Server Infrastructure to Support Blaise 5

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Blaise 5 is a complete redesign of the Blaise software and has been re-implemented using .Net technology. The new Blaise architecture features a functional segmentation of the software into multiple server roles collectively referred to as a Blaise server farm. This design allows the various Blaise server roles to be installed on different and multiple servers and provides a mechanism to scale Blaise 5 for large surveys. This paper describes the various Blaise 5 server roles, recommendations for configuring Blaise server parks, and options for scaling Blaise to support large-scale web surveys. We will also discuss the issues to be considered in securing Blaise 5 servers and the controls that are available to implement a secure Blaise 5 configuration. The paper will also include a technical approach to Blaise 5 performance testing and the results of testing we have performed.