



# Centurion Technologies

Smart Series: Managing Over 1000 Clients

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## SmartShield with SmartControl: Managing Environments over 1000 Clients

Every day we speak to Smart Control users that are expected to do more with less. Whether you are managing 25 clients in a library or 5000 clients across a campus, you need the ability to track and control them in one location. We have posted on our website and our blog the minimum requirements for a Smart Control. Smart Control can be installed on a machine with 512 MB of RAM (not shared to other devices), XP, Vista, Windows 7, Server 2003, or Server2008 as the operating system. These minimum requirements will work for any smaller implementations of Smart Control and SmartShield, but as the number of clients grows so do the hardware requirements for the Smart Control server. As we tested for version 2.1.10 we set a benchmark of connecting ten thousand machines. Using a virtual environment we were able to manage this large number of machines with the following configuration.

Server 2008 Operating System

3.1 MHZ Quad Core Processor

16 GB RAM

Slowed the keep-alive time to ten minutes via the Smart Control preferences panel. We recommend slowing down the keep alive to one minute for every thousand machines pointed to the Smart Control.

10,000 machines / 1,000 machines per minute à 10 minute keep alive

At this time we are confident that this configuration makes it possible for almost any deployment we have encountered. This testing leads us to believe that the Smart Control may be able to handle even more clients given more advanced hardware. As you are implementing your Smart Control/SmartShield network please contact us with any question or for tips on configuration..