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System Requirements for a SmartMsg Server

The following hardware recommendations assume that the server is a dedicated SmartMsg server. Requirements may change if the server is used for additional functions (such as other applications, file or print sharing, etc.)

Minimum Recommended Guidelines

Operating System: Windows 2000 Pro*, Windows XP*, Windows 2000 Server or Windows 2003 Server

Processor: 2.4 GHz Pentium IV (Codespear does not recommend Celeron processors)

Memory: 512 MB

Free Hard Drive Space: 1 GB

Preferred Recommended Guidelines

Operating System: Windows 2000 Server or Windows 2003 Server

Processor: Intel Dual Core 1.8+ GHz (Codespear does not recommend Celeron processors)

Memory: 1 GB

Free Hard Drive Space: 4 GB (additional space is needed to accommodate length of time you want to store Chat Logs, etc.)

**** Note that Windows 2000 and Windows XP operating systems are adequate for laptop Servers operating Codespear RIU's. However, Windows 2000 professional and Windows XP operating systems are NOT recommended for any SmartMsg servers handling over 10 simultaneous client connections.***

Determining Quantity of SmartMsg Servers Needed

At least one SmartMsg server is necessary for any SmartMsg system. It is highly recommended that more than one server be implemented to provide for redundancy. In the majority of smaller rollouts, two SmartMsg servers are adequate. Larger environments may require additional servers for proper load balancing and/or geographical concerns. The number of servers necessary for any particular SmartMsg system depends on factors such as the number of simultaneous client connections, chat and multimedia capacity, modules in use, etc. Codespear technical support or professional services staff can assist in planning for the correct number of servers needed for a specific implementation.

SmartMsg Root Server

These recommendations are based upon the assumption that you will be using a DEDICATED Root Server.

A root server must never be a virtual server.

Minimum Recommended Guidelines

Operating System: Windows 2000 Pro*, Windows XP*, Windows 2000 Server or Windows 2003 Server

Processor: 2.4 GHz Pentium IV (Codespear does not recommend Celeron processors)

Memory: 512 MB

Free Hard Drive Space: 1 GB

Preferred Recommended Guidelines

Operating System: Windows 2000 Server or Windows 2003 Server

Processor: Depends on how many server connections will exist. See Codespear Sales Engineer. (Codespear does not recommend Celeron processors)

Memory: 1 GB

Free Hard Drive Space: 4 GB (additional space is needed for each additional server connection)

Sound Card: Required if server will be initiating Text-to-Speech audio, meaning servers converting text to speech for radio or phone devices. Systems with Codespear hosted dialing do not require sound cards on SmartMsg servers to initiate text-to-speech for phone devices. Systems with local hosted dialing require sound cards to initiate text-to-speech for phone devices.

**** Note that Windows 2000 and Windows XP operating systems are adequate for laptop Servers operating Codespear RIU's. However, Windows 2000 professional and Windows XP operating systems are NOT recommended for any SmartMsg servers handling over 10 simultaneous client connections.***

SmartMsg Dialing Server

These recommendations are based upon the assumption that you will be using a DEDICATED Dialing Server.

A dialing server must never be a virtual server.

Sound Card: Required. Systems with Codespear hosted dialing do not require sound cards on SmartMsg servers to initiate text-to-speech for phone devices. Systems with local hosted dialing require sound cards to initiate text-to-speech for phone devices.

	Up to a T1 Connection (Under 24 lines)	24-100 lines	Greater than 100 lines
Processor	2.4 GHz Pentium IV or greater	Intel Dual Core 1.8+ GHz	Contact Codespear Sales Engineer

(Codespear does not recommend Celeron processors)

Citizen Based Alerting – Mass Dialing Server

These recommendations are based upon the assumption that you will be using a DEDICATED Server.

A lot of the requirements for this type of server will depend on the number of citizens that need to be alerted.

Sound Card: Required if server will be initiating Text-to-Speech audio, meaning servers converting text to speech for radio or phone devices. Systems with Codespear hosted dialing do not require sound cards on SmartMsg servers to initiate text-to-speech for phone devices. Systems with local hosted dialing require sound cards to initiate text-to-speech for phone devices.

	Populations up to 100,000	Beyond
Processor	2.4 GHz Pentium IV	See Codespear Sales Engineer
Free Hard Drive Space	1 GB	See Codespear Sales Engineer

(Codespear does not recommend Celeron processors)