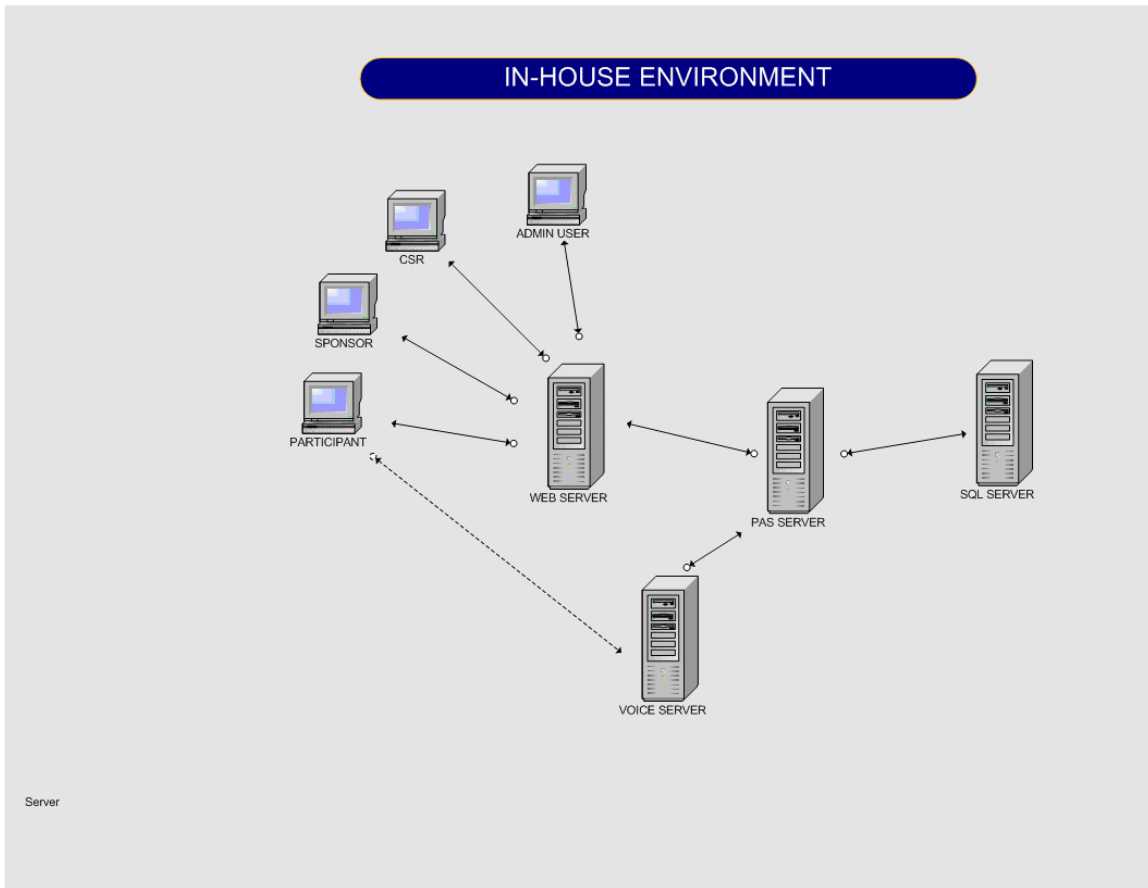# INHOUSE MINIMUM HARDWARE RECOMMENDATIONS

IMPORTANT NOTE:

> **The specifications listed below are *only* recommendations for sizing and *are subject to change*. There are many items that will affect your sizing decisions such as size of the databases, number of participants, amount of transactions history, and estimated growth. Consult Client Services Implementation team at 800-752-9029 to assist you with analyzing your data and environment *before* ordering any hardware.**

RECOMENDATED ENVIRONMENT SETUP

> SQL Server, PAS, WEB Server, and Voice Server (if applicable) – one server per application.

MINIMUM HARDWARE RECOMMENDATIONS

Web/PAS/VRU Servers Recommendations

Server

Intel® Xeon Processor
 Additional Processor Optional

4 GB Ram Minimum

Tape Drive

Raid controller

RAID 1 setting

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

Dual Nic cards

LARGE SQL Server Recommendations >100K Participants

Server / Servers

Intel® Xeon Processor

3 Additional Processors (Option kits) for a total of 4 processors

16GB Ram

 Tape Drive

Raid controller

RAID 5 setting

148GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

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148GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

148GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

Dual Nic cards

 Additional note: client may want to consider connecting to a SAN and use other feature of sql server 2005, such as log shipping, mirroring

* SQL Server 2005 Enterprise edition is require for Partitioning

MEDIUM SQL Server Recommendations 30K Participants TO 100k

Server /Servers

Intel® Xeon Processor

Additional Processor (Option kit) for a total of 2 processors

8GB Ram

Tape drive

Raid Controller

RAID 5 setting

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

Dual Nic cards

Additional note: client may want to consider connecting to a SAN and use other feature of sql server 2005, such as log shipping, mirroring

* SQL Server 2005 Enterprise edition is require for Partitioning

SMALL SQL Server Recommendations < 30K Participants

Server

Intel® Xeon
4GB Total ECC SDRAM

Tape Drive

Raid controller

RAID 5 setting

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

72GB Pluggable Ultra3 SCSI 10,000 rpm Hard Drive (1")

Dual Nic cards

* SQL Server 2005 Enterprise edition is require for Partitioning