



CPSv9.5 and CPSv10 Minimum Hardware Specifications

Section 1 – Client/Server Specifications

The hardware specifications in this Section 1 assume that Centricity will be installed in a classical client/server environment. In this environment, separate physical servers will be used for the Dedicated Database Server, Dedicated Remote Desktop Server and the DTS/eSM/Fax Server. If you plan to utilize virtualized servers, see Section 2 – Hyper-V Virtual Server Specifications.

Dedicated Database Server

# of Users	Processor	RAM	RAID	HD Space
1 – 25 Users	Intel® Xeon® Processor E5520 (8M Cache, 2.26 GHz, 5.86 GT/s Intel® QPI)	8GB	SAS (RAID 1 or 10)	600 GB Free
26 – 50 Users	Dual Intel® Xeon® Processor E5520 (8M Cache, 2.26 GHz, 5.86 GT/s Intel® QPI)	16GB	6-Disk SAS (RAID 10)	600 GB Free
50+ Users	Consult with a Final Support Systems Admin for your hardware needs			

Dedicated Remote Desktop Server (formerly Terminal Services)

# of Users	Processor	RAM	RAID	HD Space
1 – 10 Users	Dual Intel® Xeon® Processor E5420 (12M Cache, 2.5 GHz, 1333 MHz FSB) or better	8GB	SAS (RAID 1)	250 GB Free
11 – 25 Users	Dual Intel® Xeon® Processor E5420 (12M Cache, 2.5 GHz, 1333 MHz FSB) or better	16GB	SAS (RAID 1)	500 GB Free

Dedicated DTS / eScriptMessenger (eSM) / Fax Server

Processor	RAM	RAID	HD Space
Intel® Core™2 Duo Processor E7500 (3M Cache, 2.93 GHz, 1066 MHz FSB) or better	4GB	SAS (RAID 1)	250 GB Free
<ul style="list-style-type: none"> • PCI Express slot • Chassis must accommodate the fax board. • <u>CV</u> boards are 7", <u>CV+</u> boards are 12" long. Please confirm with Final Support board length prior to ordering Fax Server. • Faxcom requires ANALOG compatible phone lines, meaning the line must be either true analog or utilize a high-quality digital to analog converter. 			

Client Workstation Requirement

Processor	RAM	Video Card
Intel® Core™ Duo Processor or better	4GB	256MB MIN



Operating System Requirements

Server-WorkStation	Software Version	Operating System	SQL
Database Server	CPS 9.5 (Available Now) CPS 10.0 (Expected Release 2 nd Quarter 2011)	Window Server 2008R2 64bit ONLY	SQL 2008 with SP2 64bit or SQL 2008 R2 64bit
Remote Desktop Server (formerly Terminal Server)	CPS 9.5 (Available Now) CPS 10.0 (Expected Release 2 nd Quarter 2011)	Window Server 2008R2	n/a
DTS / eScriptMessenger / Faxing	n/a	Windows Server 2003 32bit Window Server 2008R2	SQL Express Final Support Installs
Client Workstation	CPS 9.5 (Available Now) CPS 10.0 (Expected Release 2 nd Quarter 2011)	Windows XP Professional SP3 32bit Windows XP Tablet PC Edition 2005 Below can be 32 or 64 bit OS Windows Vista Business SP2 Windows 7 Professional	n/a

Network Infrastructure Requirements & Software Not Supported

<u>Network Infrastructure Requirements</u>	<u>Software Not Supported</u>	<u>Software Not Supported</u>
<ul style="list-style-type: none"> 100 MBITS(100Base-T) or higher Gigabit (1000Base-T) preferred <p><u>Network Infrastructure Not Supported</u></p> <ul style="list-style-type: none"> HUBS, all 10 Mbps devices, PPTP Fat Clients 	<ul style="list-style-type: none"> Windows Small Business Edition Windows 2000 Server or Pro SQL 2005 Internet Explorer 9 	<ul style="list-style-type: none"> XP Home Edition Vista Home Windows 7 Home

IMPORTANT NOTES:

- Customers with more than 10 databases must consult with Final Support prior to hardware purchase.
- Microsoft does not recommend running SQL Server 2008 on the domain controller.
- The Domain name needs to contain a (.) period, for example, domain. Local, domain.com, domain.org, etc. It can NOT be just "domain".
- Remote Desktop Server will need appropriate Microsoft Word licensing in order to use Centricity generated letters (collections, appointment reminders, recalls, payment plans, etc.)



Section 2 – Hyper-V Virtual Server Specifications

The hardware specifications in this Section 2 assume that Centricity will be installed in a Microsoft Hyper-V virtualized environment. Virtual server technology enables multiple operating systems to run simultaneously on a single physical server. This impacts your Centricity Practice Solution installation because the Database Server, the Remote Desktop Server (formerly known as terminal services) and the DTS/eSM run as virtualized servers on a larger, single server running the Microsoft Hyper-V operating system. Consolidating several servers on to one server reduces the expense of buying multiple servers. Disaster recovery is simplified because the virtual servers are stored as files and can easily be backed up and restored. If you elect to use this technology, you may purchase the server and base operating system. It is recommended that Final Support’s pre-configured virtual images be purchased and utilized when choosing the virtualized solution. Final Support will not be responsible for any virtual image configuration completed by a 3rd party vendor. Final Support does not support VMware.

Dedicated Hyper-V Server

# of Users	Processor	RAM	RAID	HD Space
1 – 25 Users	Dual Intel Xeon X5660, 2.8Ghz, 12M Cache, Turbo, HT, 1333MHz Max Mem	48GB	SAS (RAID 1)	2x600G 15K
26 – 50 Users	Dual Intel Xeon X5660, 2.8Ghz, 12M Cache, Turbo, HT, 1333MHz Max Mem	64GB	SAS (RAID 1 or 10)	4x600G 15K
50+ Users	Consult with a Final Support Systems Admin for your hardware needs			

Client Workstation Requirement

In the virtual environment, Final Support recommends that the client be installed on the Remote Desktop Server and the users run RDP on their local workstations (i.e. thin client). The workstation requirements for running Centricity as a thin client are much less than running Centricity as a thick client.

Processor	RAM	Video Card
Intel® Core™ Duo Processor or better (if running as a thick client)	4GB	256MB MIN
Workstation capable of running RDP Version 6.1 (if running as a thin client)	1GB to 2GB	Standard video adapter



Section 2 – Hyper-V Virtual Server Specifications (continued)

Operating System Requirements

In the virtual environment, the customer will provide a Hyper-V server installed with the operating system shown in the table below. The Final Support can provide virtual images that contain the Database Server, Remote Desktop Server and the DTS/eSM/Fax Server. These images will contain the proper versions of the operating system and SQL server versions for running Centricity Practice Solution.

Server-WorkStation	Operating System	Comments
Dedicated Hyper-V Server Host	Window Server 2008R2, Enterprise w/ Hyper-V	If installing more than 3 virtual guests, install Datacenter version.
Database Server, Remote Desktop Server, DTS/eSM/Fax Server	GE compliant versions installed using virtual guest images	Provided by Final Support when purchased, no customer installable software.
Client Workstation	Windows XP Professional SP3 32bit Windows XP Tablet PC Edition 2005 Below can be 32 or 64 bit OS Windows Vista Business SP2 Windows 7 Professional	n/a

IMPORTANT NOTE:

- Customers with more than 10 databases must consult with Final Support prior to hardware purchase.
- Remote Desktop Server will need appropriate Microsoft Word licensing in order to use Centricity generated letters (collections, appointment reminders, recalls, payment plans, etc.)