

Vocera 4.1 and 4.2 Server Sizing Matrix (Physical Hardware) Recommended Configuration Guidelines

Vocera License	Entities (Spoken Name Count ⁽¹⁾)			
	< 600	600 - 6,000	6,000 - 90,000	90,000 - 150,000
75 - 150 User	<u>Vocera Server w/ Vocera Telephony Server</u> Intel Xeon Dual-Core 4GB RAM 80GB HD, DVD Windows 2003 Standard or Windows 2008 R2 Standard ⁽⁵⁾	Single Site or Multiple Sites	Single Site or Multiple Sites	Requires Multiple Sites
200 - 600 User	<u>Vocera Server</u> 1 or 2 Socket, Intel Xeon Dual-Core or Intel Xeon Quad-Core 4GB RAM, DVD Dedicated 80 GB hard drive for Vocera ^(2, 3, 4) Windows 2003 Standard or Windows 2008 R2 Standard ⁽⁵⁾		Single Site or Multiple Sites	Requires Multiple Sites
150 - 450 Enterprise				
650 - 1750 User	<u>Vocera Server</u> 2-Socket, Intel Xeon Quad-Core 4GB RAM, DVD Dedicated 120 GB hard drive for Vocera ^(2, 3, 4) Windows 2003 Standard or Windows 2008 R2 Standard ⁽⁵⁾			
500 - 1200 Enterprise	Limit each site to no more than 1500 Simultaneous Users and 50,000 Spoken Names			
1250 - 4200 Enterprise	<u>Vocera Server</u> 2-Socket, Intel Xeon Quad-Core 8GB RAM, DVD Dedicated 120 GB hard drive for Vocera ^(2, 3, 4) Windows 2003 Enterprise or Windows 2008 R2 Enterprise ⁽⁵⁾			

- Notes:**
1. Spoken Name Count includes user names, group names, alternate spoken names and department names.
 2. The Vocera Server does not support a NAS or SAN infrastructure.
 3. Windows must be installed on its own hard drive separate from Vocera.
 4. Testing shows improved performance with solid state drives.
 5. See Vocera Technical Support Knowledge Base article 1229 (<https://na4.salesforce.com/50160000000Rtbl>) for instructions on how to install **Vocera 4.2 SP1** on Windows 2008 R2. Previous releases are not compatible with Windows 2008 R2.

Vocera 4.2 Server Sizing Matrix Recommended Configuration Guidelines (continued)

Physical Hardware	Vmware
<p><u>Vocera Server</u> See chart on previous page</p>	<p><u>Vocera Server</u> Not Supported</p>
<p><u>Vocera SIP Telephony Gateway (VSTG)</u> Intel Xeon Dual-Core, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>	<p><u>Vocera SIP Telephony Gateway (VSTG)</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>
<p><u>Vocera Report Server (VRS)</u> Intel Xeon Dual-Core, 4GB RAM, 100GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>	<p><u>Vocera Report Server (VRS)</u> 1 vCPU, 4GB RAM, 100GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>
<p><u>Vocera Client Gateway (VCG)</u> Intel Xeon Dual-Core, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>	<p><u>Vocera Client Gateway (VCG)</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>
<p><u>Badge Configuration Computer (BCU)</u> Standalone / isolated server w/access point Windows 2003 Standard or Windows XP Pro</p>	<p><u>Badge Configuration Computer (BCU)</u> Not supported</p>
<p><u>Motorola Mobility Services Platform (MSP)</u> Intel Xeon Dual-Core, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 Standard</p>	<p><u>Motorola Mobility Services Platform (MSP)</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 Standard</p>
<p><u>Vocera Staging Server</u> Intel Xeon, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>	<p><u>Vocera Staging Server</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard or Windows 2008 R2 Standard⁽¹⁾</p>
<p><u>Vocera Telephony Server</u> Intel Xeon Dual-Core 4GB RAM, 80GB HD, DVD Full-length, full-height PCI, PCI-X or PCI-Express slot for Dialogic board Windows 2003 Standard</p>	<p><u>Vocera Telephony Server</u> Not supported</p>

Notes:

1. See Vocera Technical Support Knowledge Base article 1229 (<https://na4.salesforce.com/5016000000Rtbl>) for instructions on how to install **Vocera 4.2 SP1** on Windows 2008 R2. Previous Vocera releases are not compatible with Windows 2008 R2.

Vocera 4.1 Server Sizing Matrix Recommended Configuration Guidelines (continued)

Physical Hardware	Vmware
<p><u>Vocera Server</u> See chart on previous page</p>	<p><u>Vocera Server</u> Not Supported</p>
<p><u>Vocera SIP Telephony Gateway (VSTG)</u> Intel Xeon Dual-Core, 2GB RAM, 40GB HD Windows 2003 Standard</p>	<p><u>Vocera SIP Telephony Gateway (VSTG)</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard</p>
<p><u>Vocera Report Server (VRS)</u> Intel Xeon Dual-Core, 4GB RAM, 100GB HD Windows 2003 Standard</p>	<p><u>Vocera Report Server (VRS)</u> 1 vCPU, 4GB RAM, 100GB HD Windows 2003 Standard</p>
<p><u>Vocera Client Gateway (VCG)</u> Intel Xeon Dual-Core, 2GB RAM, 40GB HD Windows 2003 Standard</p>	<p><u>Vocera Client Gateway (VCG)</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard</p>
<p><u>Badge Configuration Computer (BCU)</u> Standalone / isolated server w/access point Windows 2003 Standard or Windows XP Pro</p>	<p><u>Badge Configuration Computer (BCU)</u> Not supported</p>
<p><u>Motorola Mobility Services Platform (MSP)</u> Intel Xeon Dual-Core, 2GB RAM, 40GB HD Windows 2003 Standard</p>	<p><u>Motorola Mobility Services Platform (MSP)</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard</p>
<p><u>Vocera Staging Server</u> Intel Xeon, 2GB RAM, 40GB HD Windows 2003 Standard</p>	<p><u>Vocera Staging Server</u> 1 vCPU, 2GB RAM, 40GB HD Windows 2003 Standard</p>
<p><u>Vocera Telephony Server</u> Intel Xeon Dual-Core 4GB RAM, 80GB HD, DVD Full-length, full-height PCI, PCI-X or PCI-Express slot for Dialogic board Windows 2003 Standard</p>	<p><u>Vocera Telephony Server</u> Not supported</p>

Vocera Server Sizing Guidelines Release 4.1 and 4.2

This Server Sizing Guideline is a recommended server sizing guidelines instead of a minimum server sizing guidelines. For customers upgrading to Vocera 4.2 who do not meet the recommended guidelines, it is a good time to upgrade your servers. This is especially true if you are planning to increase the number of users on your system.

As with any sizing guidelines, your mileage/performance may vary in terms of performance, based on your overall system usage.

VSTG and VCG Limits

Number of lines supported by a single VSTG	128
Number of clients supported by a single VCG	Unlimited
Number of simultaneous audio sessions supported by a single VCG	256

VMware Support for VRS, VCG and Vocera SIP Telephony Server

Vocera 4.2 supports the Vocera Report Server (VRS), Vocera SIP Telephony Server (VSTG) and the Vocera Client Gateway (VCG) running in a VMware virtualized environment. The VRS, VCG, and VSTG must be at Vocera 4.1 SP5 or greater. In addition, Motorola supports the running of Mobility Services Platform (MSP) on VMware.

Component	Requirements		
	VSTG	VCG	VRS
Processors per VM	2	2	2
Total RAM	4 Gb	4 Gb	4 Gb
Network Interface	VMware vSphere 4: VMXNET 3 VMware ESX 3.5: Enhanced VMXNET (VMXNET 2)		
Minimum Disk Space	40 Gb	40 Gb	100 Gb
Guest Operating System	Windows 2003 Standard or Windows 2008 R2 Standard		

The following documents on VMware support provide additional information:

- [Infrastructure Planning Guide \(Appendix F\)](http://www.vocera.com/assets/pdf/documents/InfrastructureGuide.pdf)
<http://www.vocera.com/assets/pdf/documents/InfrastructureGuide.pdf>
- [VMware Knowledge Base Article \(1019\) \(Tech Support Website\)](https://na4.salesforce.com/50160000009syn?srPos=0&srKp=501)
<https://na4.salesforce.com/50160000009syn?srPos=0&srKp=501>