



Server Requirements

This document outlines the specific server requirements for a standard VoiceOver implementation using Dragon Medical Network Edition (DMNE). Voicebrook - DMNE specification supports:

- Voicebrook-supplied or Client-owned DMNE or DMO environment architectures
- Delegate Workflow Module
- All current VoiceOver product versions (VoiceOver 5.X or VoiceOver PRO)

Server 1:	Main VoiceOver Server (includes profile storage) up to 250 Users
Environment:	Production
Function of server:	Primary VoiceOver server
Specifications:	
Server Type:	Physical or Virtual
Operating System:	Microsoft Windows Server 2008 R2, 2012, 2012 R2, or 2016
Processor:	Dual core - 3.0 GHz or greater
Memory:	8 GB
Available Hard Drive Space:	<ul style="list-style-type: none"> - OS = 120GB - VoiceOver Applications = 80GB <p>Total space required = 200GB [OS + VoiceOver Applications]</p>
Network Connectivity:	<p>Recommended: 1Gbps or greater (FULL DUPLEX) Minimum: 100Mbps (FULL DUPLEX)</p>
Other:	<p>AES 256-bit SSL certificate from certified authority .Net Framework 4.7.2 or higher (full version) SQL Server 2016 Microsoft IIS 7.5, 8.0, or 8.5 PowerShell</p> <p>Ports:</p> <ul style="list-style-type: none"> - 437, 8010 and 443 must be open for proper communication between servers and desktops - 7333 must be open for server to communicate with desktops, for sites using Peer Sync for audio files ** <p>Size of VoiceOver PRO Document SQL DB* = Report Storage + Audio Storage Report Storage = 3gb x [# of Users] Size of VoiceOver PRO Configuration SQL DB = 1GB Size DMNE SQL DB* = 2GB</p>



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	<p><i>* Located on your organization's SQL Server.</i></p> <p>** NOTE: Not all configurations capture audio files. Please check with your VoiceOver representative to determine if this applies to you.</p>

Server 2 (may not be needed -- see Other section):	Speech Node
Environment:	Production
Function of server:	Speech Node for processing profile optimizations.
Specifications:	
Server Type:	Physical or Virtual
Operating System:	Microsoft Windows 2008, 2008 R2, 2012, 2012 R2, or 2016
Processor:	Dual core - 3.0 GHz or greater
Memory:	8 GB
Available Hard Drive Space:	<ul style="list-style-type: none"> - OS = 60GB - VoiceOver Applications = 20GB <p>Total space required = 80GB [OS + VoiceOver Applications]</p>
Network Connectivity:	<p>Recommended: 1Gbps or greater (FULL DUPLEX)</p> <p>Minimum: 100Mbps (FULL DUPLEX)</p>
Other:	<p>.Net Framework 4.7.2 or higher Client and Full version</p> <p>Ports: 7333 must be open for server to communicate with desktops, for sites using Peer Sync (for VoiceOver 5.x product only)</p> <p>** NOTE: If you have less than 250 users, a second server is not required and the above functionality for the Speech Node may reside on the Primary VoiceOver server. Please discuss with your Voicebrook representative to determine if this would apply to your site.</p>

VoiceOver FileShare	
Environment:	Production
Function of server:	Storage for master profiles.
Specifications:	
Location:	VoiceOver servers, SAN, NAS, or Windows File Server.
Available Hard Drive Space:	<ul style="list-style-type: none"> - VoiceOver Files = 20GB - Audio Files = [Av # cases per week] x [# of retention weeks] x 10 MB * - Profiles = 5.0GB x [# of users] <p>Total Capacity required = [VoiceOver Files + Audio Files + Profiles]</p> <p>* NOTE: Not all configurations capture audio files on the fileshare. Please check with your Voicebrook representative to determine if this applies to you.</p>

Requirements for server installation and environment setup checklist

- Service account “VBNMSapps” as described in the IT Requirements document.
- Each Voicebrook server should be set up with the latest Windows updates, but once this is complete the “Windows Automatic Updates” should be turned off. Windows updates on the server should be tested prior to deployment to production.
- Windows Server 2008 R2 requires the following hotfix for SpeechNode Servers:
http://hotfixv4.microsoft.com/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix392120/7600/free/445413_intl_x64_zip.exe
- Profile storage does not have to be physically on the server. It can be located on a SAN or NAS device
- If using only 1 physical server, it needs to be a Virtual Server Host. The Speech Node must be on a separate Virtual Server.
- Speech Node uses two full cores of the CPU and must be on a Virtual Server if deployed on a single server.
- Above requirements are based on sites with up to 100 users. If you anticipate more than 100 users, please check with your Voicebrook representative.

IMPORTANT: User data files will become corrupt if the below exclusions are not properly put into place.

- Anti-virus / Data Loss Prevention Exclusions (based on a C drive installation):



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- All Voicebrook/Nuance folders (including subfolders) on all VoiceOver servers.
 - C:\Program Files (x86)\Nuance
 - C:\Program Files\Nuance
 - C:\ProgramData\Nuance
 - C:\Programdata\Voicebrook
 - C:\Program File (x86)\Voicebrook
- The VoiceOver fileshare
- Files with the following extensions: BD, BIN, DAT, DRA, ENH, GSB, GRM, INI, LCK, LOG, NWV, SIG, SVC, TXT, USR, VER, VOC, WAV, XML, ini_DGNRenamed, voc_DGNRenamed
 - All exclusions must be applies to cover all subordinate folders, sub-folders, and files for the directory paths listed above
- DFS File Replication is NOT supported.