



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-owned or Client-owned DMNE environment architectures
- Delegate Workflow Module
- All VoiceOver product versions

Server 1:	Main VoiceOver Server (includes profile storage)
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 = 60GB - VoiceOver Applications = 30GB <p>Total space required = 90GB [OS + VoiceOver Applications]</p>
Network Connectivity:	<p>Recommended: 1Gbps or greater (FULL DUPLEX)</p> <p>Minimum: 100Mbps (FULL DUPLEX)</p>
Other:	<p>AES 256-bit SSL certificate from certified authority</p> <p>.Net Framework 4.5.2 or higher (full version)</p> <p>SQL Server 2008, 2012, 2014 or 2016</p> <p>Microsoft IIS 7.0, 7.5, 8.0, or 8.5</p> <p>PowerShell</p> <p>Ports: 443 and 7333 must be open for proper communication between servers</p> <p>Size of VoiceOver SQL DB* = 30 KB x [# of cases annually]</p> <p>Size DMNE SQL DB* = 20g</p> <p>* Located on your organization's SQL Server.</p>



Server Requirements

Server 2:	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:	Recommended: 1Gbps or greater (FULL DUPLEX) Minimum: 100Mbps (FULL DUPLEX)
Other:	AES 256-bit SSL certificate from certified authority .Net Framework 4.5.2 or higher Client and Full version Ports: 443 and 7333 must be open for proper communication between servers

	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

	<ul style="list-style-type: none"> - 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. Please check with your VoiceOver representative to determine if this applies to you.</p> <p style="text-align: center;">DFS File Replication is NOT supported. This will corrupt user profiles.</p>
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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.
- Anti-virus exclusions
 - All Nuance folders and subfolders on all Voicebrook servers
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 - Files with the following extensions: DAT, DRA, ENH, INI, LCK, LOG, NWV, SIG, TXT, USR, VER, VOC, WAV
 - **IMPORTANT: User data files will become corrupt if Anti-virus exclusions are not properly put into place.**
- 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.