



# FUSION NARRATE<sup>®</sup> - REQUIREMENTS

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*Distributable to Resellers, Customers, and Prospects*

# FUSION NARRATE REQUIREMENTS

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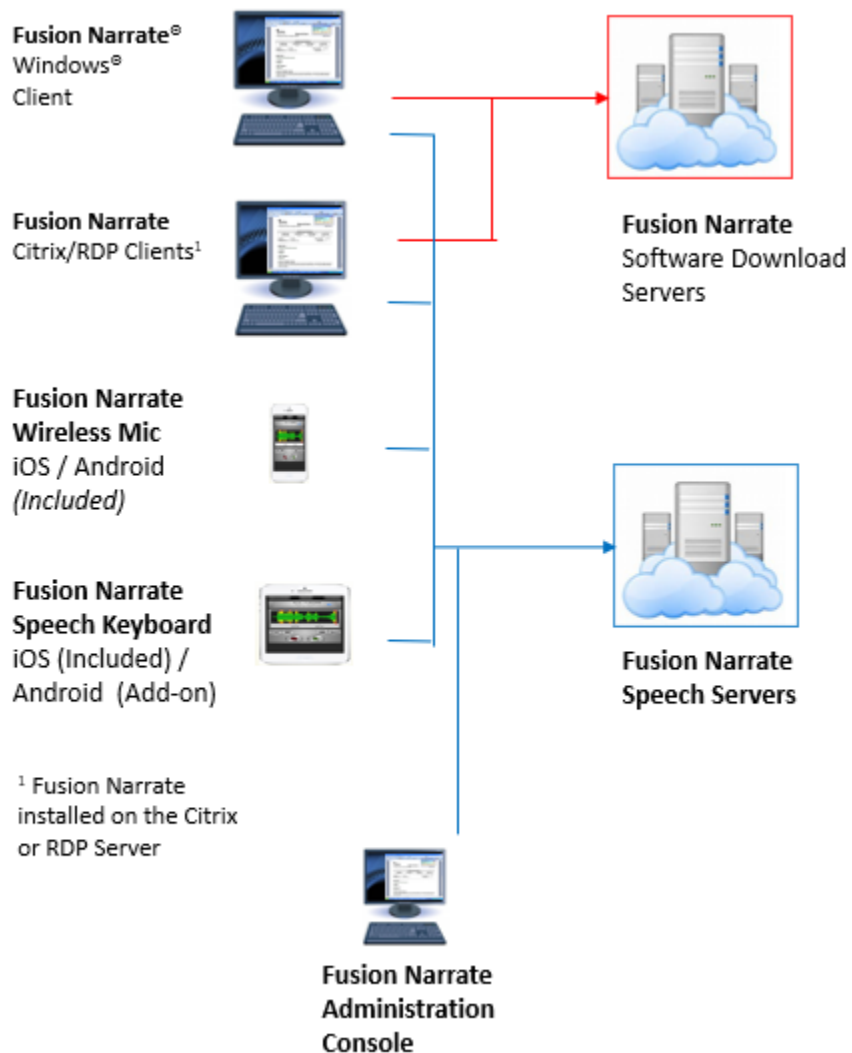
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## OVERVIEW

Fusion Narrate® powered by nVoq™ provides cloud-based speech recognition and workflow automation, enabling providers to accurately and efficiently capture the patient narrative for seamless inclusion in the patient record.

The following diagram depicts the core components.



# FUSION NARRATE REQUIREMENTS

## CORE COMPONENT REQUIREMENTS

The following provides more detailed descriptions and requirements for each of the client components outlined in the Overview diagram.

### Fusion Narrate – Windows® Client

This is the client application that runs on Microsoft Windows® workstations. It provides front-speech recognition, optional dictation mode functionality to send dictations through back-end speech to a Fusion Narrate Text™ system, and optional integration with the Fusion Narrate CAPD™ solution.

- Operating System:** Microsoft Windows® 10 and Microsoft Windows® 11 are supported. The English version of Windows® OS is required to support Listen Mode, Local Shortcuts, built-in commands during recording, and shortcuts during recording.
- Virtualization:** The Fusion Narrate client can also be virtualized on server operating systems: Windows® 2019 and higher. Citrix Virtual Apps, Citrix Virtual Desktops, VMware Horizon® View™, and Microsoft® Remote Desktop Services are officially supported virtualization methods.
- Libraries:** Microsoft® .NET Framework version 4.6.2 and Microsoft Visual C++ Runtimes 2015 or higher.
- Processor and RAM:** 2 Core Processor and 8 GB of RAM (higher, if resource intensive applications will run with the Fusion Narrate client). The Fusion Narrate client utilizes minimal CPU resources. The Fusion Narrate client utilizes upwards of 400 MB of memory.
- Internet Connection:** 10 Mbs upload speed, 10 Mbs download speed, less than 40 Internet ping time is recommended for good performance. Dictation audio is compressed to 64 kbs prior to transfer to the Fusion Narrate Speech Server.
- Microphone:** SpeechMike, Olympus®, and PowerMic USB microphones. See the Microphone Guide within <https://help.fusionnarrate.com> for a comprehensive listing including other USB and wireless microphones. Optionally, the Fusion Narrate Wireless Mic for iOS or Android can be used (see below).
- Foot Pedals:** VEC / Infinity: Wide Pedal, IN-USB-1, and IN-USB-2  
Philips: ACC2310, ACC2320, ACC2330 (enhanced 4 pedals)  
DAC FP-110-USB 3 (3 pedals) and DAC FP-110-USB 4 (4 pedals)  
Other foot pedals may work if they are compatible with one of these foot pedals.
- Local Storage:** The Fusion Narrate download package is approximately 80 MB. During operation, it may consume upwards to 200 MB. The Fusion Narrate client writes data, such as encrypted logs and cached configurations, to the logged in user's roaming profile (%AppData%\Fusion Narrate).

- Access:** This client is an XCOPY based installation and does not require local admin rights to download or run. An MSI install package is also available and is recommended for virtualization. See <https://help.fusionnarrate.com> for distribution option details.
- Google Chrome:** To support Direct Editor mode with browser-based applications running in the Google Chrome™ browser, the Fusion Narrate Extension must be installed.
- Microsoft Edge:** To support Direct Editor mode with browser based applications running in the Microsoft Edge™ browser, the Fusion Narrate Extension must be installed.
- Firewall:** Outbound: **The following URLs must be allowed access (white listed) for HTTP/HTTPS traffic: \*.fusionnarrate.com, \*.nvoq.com.** Specifically:
- Initial downloads and automatic updates (if enabled)**
- US: <https://app.fusionnarrate.com>: Port 443.
- Canada: <https://app.fusionnarrate.com/Prod.CA>: Port 443.
- Main application functionality including speech recognition**
- <https://healthcare.nvoq.com>: Port 443.
  - Canada: <https://canada.nvoq.com>: Port 443
- Speech recognition utilizes HTML5 WebSockets for Fast Dictation to improve response time from the speech servers. Generally, this is allowed in standard firewall settings since it operates over port 443 as HTTPS. If this communication is not allowed, communication errors will occur when attempting to record. If this occurs, Fast Dictation cannot be used and must be disabled in the Administration Console so that standard HTTPS communication will be used instead.
- Online documentation sites**
- <https://help.fusionnarrate.com>: Port 443.
  - <https://support.nvoq.com>: Port 443.
- Inbound: None. All connections are initiated from the client to the server.
- Encryption:** All data at rest and in transit is encrypted with AES 256 encryption. See the Fusion Narrate Security Brief for details.

## FUSION NARRATE REQUIREMENTS

### Fusion Narrate – Thin Client

The Fusion Narrate application can be configured to run as a Citrix® Virtual App application and can also run within Citrix® Virtual Desktop, VMware Horizon® View™, and Microsoft® Remote Desktop Services. If a microphone other than the Fusion Narrate Wireless Mic is used, a virtual channel component may be required on the client workstation unless full USB redirection is used. Specifications listed above for the Fusion Narrate - Windows® Client apply to the virtual server session.

### Citrix® Application Interaction

If the Fusion Narrate client is installed on a workstation and it interacts with a Citrix® Virtual App based application, it is recommended to install the Fusion Narrate Virtual Direct channel components on the client and the Citrix® server for optimal integration with various text editors.

### Fusion Narrate – Wireless Mic

This is an app that runs on a mobile device. It can serve as a microphone for the Fusion Narrate client. The mobile app communicates over the network with the client software via the Fusion Narrate Speech Server and is linked by username.

#### iOS

**Operating System:** iOS 14.4 and higher

**Devices:** iPhone® models: 10 and higher

**Internet Connection:** 2 Mbs upload speed, 4 Mbs download speed, less than 40 Internet ping time is recommended for good performance

#### Android

**Operating System:** Android 9 and higher

**Internet Connection:** 2 Mbs upload speed, 4 Mbs download speed, less than 40 Internet ping time is recommended for good performance

### Fusion Narrate – Speech Keyboard

This is an app that runs on an iOS mobile device. It is a HIPAA compliant custom keyboard allowing a user to use their Fusion Narrate speech profile with other applications. The user can press the microphone on the keyboard to activate the recording window, dictate, and then complete to automatically insert the recognized text at the input position. To utilize this app with a mobile EHR app, it may be necessary for the EHR vendor to make a software modification to allow the Fusion Narrate Speech Keyboard to be used. Dolbey can provide documentation on how to accommodate this upon request.

#### iOS (Fusion Narrate Keyboard)

**Operating System:** Supports the current version minus 1.

Example: If the current version is 16.x, 15.x and higher are supported

**Devices:** Any iOS device that supports the current iOS version minus 1.

**Internet Connection:** 4 Mbs upload speed, 8 Mbs download speed, less than 40 Internet ping time

As an alternative, the Mobile Voice for Android is an app offered by nVoq that runs on an Android mobile device.

#### Android (Mobile Voice for Android)

**Operating System:** Android 8 or higher

**Internet Connection:** 4 Mbs upload speed, 8 Mbs download speed, less than 40 Internet ping time

### Fusion Narrate – System Administrators

Administrators can use a browser based application to manage the components of the Fusion Narrate Speech Servers. It is recommended that administrators have the requirements for the Fusion Narrate - Windows® Client, which offers additional management options.

# FUSION NARRATE REQUIREMENTS

## ADD-ON MODULES

The Fusion Narrate suite also includes the add-on modules:

**AI Assist:** Integrates AI into dictation and workflow automation tasks

**Fusion Narrate CAPD:** Analyzes dictated text for clinical documentation improvement (CDI)

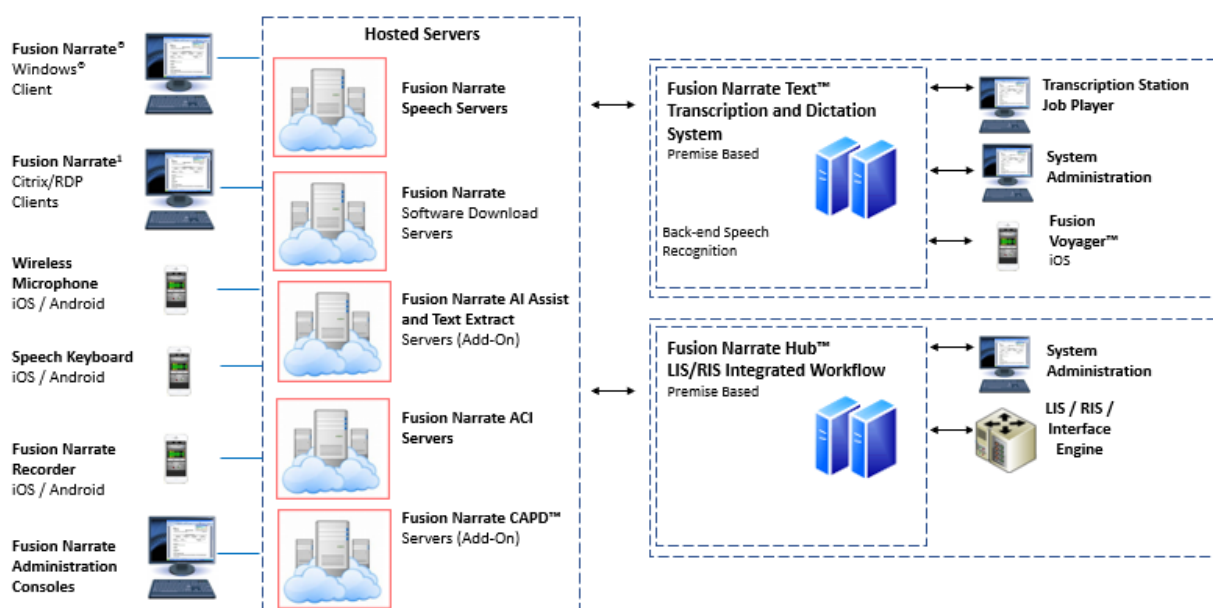
**Text Extract:** Leverages OCR and AI to extract typed or handwritten text content from an image or PDF.

**Fusion Narrate ACI™:** Generates draft reports using ambient speech technology.

**Fusion Narrate Text:** On-premise solution with allows providers to send dictation to transcription.

**Fusion Narrate Hub™:** On-premise solution provides bidirectional integration with the LIS or RIS via HL7® to streamline result documentation workflow.

The following diagram includes the additional components.



<sup>1</sup> Fusion Narrate installed on the Citrix or RDP Server  
All in-transit data is at TLS 1.2, Port 443

## ADDITIONAL DOCUMENTS

Additional documents are available in the Fusion Narrate online help.

### *Fusion Narrate Security Brief*

This document details all aspects of system security for the core Fusion Narrate product.

### *Fusion Narrate Security Brief with Transcription*

This version of the Security Brief also includes architecture and security information for the Fusion Narrate Text premise-based solution for back-end transcription.

### *Fusion Narrate ACI Security Brief*

This document is specific for the Fusion Narrate ACI (Ambient Clinical Intelligence) workflow and functionality. It serves as an add-on to this Security Brief.

### *Fusion Narrate Text Requirements (Job Player)*

This document provides the hardware and software requirements for the on-premise components required for the Fusion Narrate Text transcription system.

### *Fusion Narrate Hub Requirements*

This document provides the hardware and software requirements for the on-premise components required for Fusion Narrate Hub. Fusion Narrate Hub optimizes workflow for pathology by integrating inbound and outbound HL7® interfaces with the LIS system.

### *Fusion Narrate Hub Pathology Interface Specifications*

This document details the HL7® message structure for receiving LIS order information and sending outbound results.