

What's New in Dragon[®] Medical, Version 10.1

Dragon[®] Medical, Version 10.1, is the latest version of Nuance's leading speech-recognition reporting solution for medical professionals. This latest version gives providers more control of their reports with the goal of making the dictation process faster and more accurate. Dragon Medical helps providers achieve faster report turnaround time, reduce transcription costs, provide higher levels of satisfaction to referring providers, and enhance patient care.

This What's New document includes:

- An Overview, below.
- Descriptions of the *New Features for Administrators*, beginning on *page 3*.
- Descriptions of the New Features for Providers, beginning on page 6.

Overview

Administrators

- **Dictation Box behavior:** Anchor Dictation Box to application option available on the Miscellaneous tab in Administrative Settings.
- Data encryption: Allows administrators to enable/disable encryption feature, for compliance with HIPAA guidelines.
- Upgrading roaming users: Session folders for roaming users are now copied over to the new profile during an upgrade, allowing the session data to be processed by the acoustic optimizer.
- **MSI installations**: The installer now automatically creates the default location of the roaming local cache
- 64-bit operating system support: Dragon Medical 10.1 can be installed on the Microsoft® Windows[®] Vista[™] 64-bit operating system.
- Windows 2008 Server support: Dragon Medical 10.1 can be installed on the Microsoft Windows 2008 Server operating system.

Providers

- Web search commands: Use voice commands to search the PubMed, WebMD, UpToDate, and ICD9 Web sites.
- New Report Templates in Command Browser: The Medical Templates and the Medical Normals groups are now available in the Command Browser.
- Word categories: Assign a word category to a word in the Add Individual Word dialog box. ٠

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- **Sleep Mode Timer**: Set the amount of silent time that passes before the microphone automatically goes into **Sleep** mode.
- New Keyboard Shortcut: Create a keyboard shortcut for the Next Field command.
- New Voice Commands: "Accept Defaults" can be used in addition to the "Clear Variable Delimiters" command.
- Formatting Option Changes
 - The **Spell "disfluency" and related words with "dys"** option has been removed from the **Miscellaneous** tab.
 - Caps Lock key overrides capitalization commands option is now available on the General tab.
- Hidden Mode Indicator: The Hidden Mode indicator on the DragonBar[™] now indicates whether the Dictation Box contains text or whether it is empty.
- **Transfer Text from Dictation Box**: Select specific method for transferring text from the **Dictation Box** into each application.
- Exit the Dictation Box: Set an option that automatically closes the Dictation Box after transferring text.
- Changes on the Options > Commands tab: The Enable Cut and Delete shortcut commands option is now two separate options: Enable Cut shortcut command and Enable Delete shortcut command.
- Changes on the Options > Data tab: The default value for Disk space reserved for playback is now 100 MB instead of 40 MB.
- New User Wizard Changes
 - The Vocabulary list in the New User Wizard no longer has a default vocabulary selected.
 - The E-mail checkbox is no longer selected by default on the Adapt to Your Writing Style page of the New User Wizard.
- **Improved correction handling**: Faster, noticeable improvements to your dictation accuracy after you correct a report.
- When using the **NSAdmin** administration tool:
 - Commands with the same name are no longer added as duplicates
 - Customized written forms retain their custom values after being processed by **nsadmin**.



New Features

New Features for Administrators

New Options on the Administrative Settings Miscellaneous Tab

Administrative Settings
Roaming Miscellaneous Scheduled Tasks
Backup location for user files:
Change Use Default
Data Distribution location:
Disable automatic acoustic model selection in the Acoustic Optimizer
Encrypt patient health information Anchor Dictation Box to application
Restore defaults
OK Cancel Apply Help

Encrypting Patient Health Information

By default, this option is automatically enabled.

When a provider dictates using *Dragon Medical*, *Dragon Medical* automatically saves all audio and transcribed text in Dragon Recorded Audio (**.DRA**) files. If the provider corrects any of the dictated text, *Dragon Medical* automatically stores these corrections in **.enwv** files. Both these files are saved in the background.



Note: .*DRA* files specifically saved by a provider (such as files saved in Microsoft Word or in DragonPad) are not encrypted.

When this option is enabled, *Dragon Medical* encrypts these automatically created **.DRA** and **.enwv** files before storing them in the local or roaming user directories to ensure they do not become a back door into patient data and violate the patient's privacy. These files



are also encrypted when a user dictates into a supported application like Microsoft Word or an Electronic Health Record (EHR) application.

Due to the restrictions mandated by privacy regulations (for example, the United States' Health Insurance Portability and Accountability Act (HIPAA) and Europe's EC 95/46 Directive), these encrypted **.DRA** and **.enwv** files can only be opened by *Dragon Medical* for its internal use; these encrypted files cannot be opened by any application other than *Dragon Medical* internal processes. They cannot be accessed by the non-Medical versions of *Dragon,* the *Dragon NaturallySpeaking* SDK Client Edition (DSC), or the *Dragon NaturallySpeaking* SDK Server Edition (DSS). In addition, any encrypted **.DRA** and **.enwv** files automatically created by *Dragon Medical*, cannot be opened in **DragonPad**.

Controlling Dictation Box Behavior

You can decide how the Dictation Box is used by providers system-wide.

Note: Selecting this option causes the *Dictation Box* to function as it did in Dragon[®] NaturallySpeaking[®] Medical 9.

• With the Anchor Dictation Box to application check box *selected*, text in the Dictation Box must be transferred to the target application before a provider can continue to use the target application. In this mode, the Dictation Box has a Transfer button, so you do not need to switch back to the application before transferring the text. Once the provider transfers the text, the Dictation Box closes.



Note: Before opening the *Dictation Box*, make sure that your cursor is at the desired location in the target application.

• With the Anchor Dictation Box to application check box *cleared*, you can switch to the target application to browse information within it, or even switch to a different application, and then return to the Dictation Box. Again, you must place the cursor at the desired location in the target application before transferring the text. You can also use the Dictation Box in Hidden Mode with this check box cleared.

Upgrading Roaming Users

Session folders for roaming users are now copied over to the new profile during an upgrade, allowing the session data to be processed by the acoustic optimizer (ACO).

MSI Installations

The MSI installer now automatically creates the default location of the roaming local cache.



Support for 64-Bit Operating System

Dragon Medical 10.1 can be installed on the Microsoft Windows Vista 64-bit operating system. (*Dragon Medical* 10.1 currently does not support the Windows XP 64-bit operating system.)

Support for Windows 2008 Server

Dragon Medical 10.1 can be installed on the Microsoft Windows 2008 Server operating system.

Known Issues Resolved in Dragon Medical 10.1 (for Administrators)

- When needed, *Dragon Medical* displays the Dragon has reached the maximum amount of speech data message only once.
- Training is now preserved for custom words migrated during user upgrades.
- Your computer no longer freezes when you launch Internet Explorer 6 after installing *Dragon Medical*.
- Several improvements have been made to the upgrade process:
 - The *Dragon Medical* Qualifying Products dialog box now lists version 9 of *Dragon Medical* during an upgrade.
 - The **Medical** acoustic model is now properly migrated during a user upgrade.
 - The **natspeak.exe** file no longer shuts down while upgrading a version 9 user.
- You can now merge the **nsdefaults.ini** file with your main .ini file during installation when the **defaultsini** option uses a network path.
- The Upgrade User dialog box no longer appears at the end of a silent installation.



New Features for Providers

Web Search Commands

You can now use voice commands to search for information on the **PubMed**, **WebMD**, **UpToDate**, and **ICD9** Web sites. The voice commands can be issued at any time; a Web browser does not have to be open.

The following table shows a list of the voice commands that can be used:

Voice Command
"Search PubMed for <xxx>"</xxx>
"Search WebMD for <xxx>"</xxx>
"Search WebMD Drugs for <xxx>"</xxx>
"Search WebMD Condition for <xxx>"</xxx>
"Search UpToDate for <xxx>"</xxx>
"Search ICD9 for <xxx>"</xxx>
"Search ICD9 Procedures for <xxx>"</xxx>
"Search ICD9 Drugs for <xxx>"</xxx>
"Search ICD9 Dictionary for <xxx>"</xxx>
"Search ICD9 Codes for <xxx>"</xxx>



New Report Templates Available in Command Browser

Two new groups or report templates, **Medical Templates** and the **Medical Normals**, are now available in the **Command Browser**.

The **Medical Normals** group contains templates that contain typical content for several normal reports frequently encountered by providers. The normal voice commands are shown below. Note that each command starts with the word **Dragon**.

🔍 Command Browser	- MyCommands	
Mode MyCommands Hel)	
(all) Constraints	MyCommand Name AB dragon brief female exam AB dragon brief male exam AB dragon full exam AB dragon normal abdomen AB dragon normal abdomen AB dragon normal chest AB dragon normal chest AB dragon normal head AB dragon normal heart AB dragon normal neart AB dragon normal neck AB dragon normal neck AB dragon normal neck AB dragon normal neuro AB dragon normal post op chest AB dragon normal skin	Type Text and Graphics Text and Graphics



The **Medical Templates** group contains templates for creating several types of common reports. The template voice commands are shown below. Note that each voice command begins with the word **Dragon** and ends with the word **template**.

🖳 Command Browser - MyCommands						
Mode MyCommands Help						
(all) Dragon Medical Normals Medical Templates Samples User-defined	MyCommand Name 4B dragon brief procedure template 4B dragon CCU fellow admit template 4B dragon discharge summary template 4B dragon fellow admit template 4B dragon fellow backup template 4B dragon fellow consult template 4B dragon inpatient admit template 4B dragon inpatient consult template 4B dragon new patient template 4B dragon outpatient consult template 4B dragon progress note template 4B dragon soap template 4B dragon soap template 4B dragon staff inpatient note	Type Text and Graphics Text and Graphics				



Word Categories

When adding a new word using the **Add Individual Word** dialog box (on the **DragonBar**, click **Words > New**), you can now assign the word to a word category, which applies a capitalization option to the new word.

🍣 Add Individual Word	
Spell or type the word to add to the vocabulary	:
Frederik	
Word category:	
Person name	*
(none)	
Person name	
Department name	
Drug name	

The capitalization is based on the **Person name**, **Department name**, and **Drug name** settings in the **Formatting** dialog box. Choices for both person name and department name are **Standard** and **All Caps**. For drug name, the choices are **Standard**, **All Caps**, and **Initial Caps**.

To modify these options, on the **DragonBar**, click **Tools > Formatting** and then select the **Capitalization** tab.

Formatting
General Capitalization Numbers, Units, and Dates Abbreviations Miscellaneous
Person name capitalization Standard 🐱
Department name capitalization All Caps 🗸
Capitalize the word after a new line
Capitalize "allergy" and "allergies" as "ALLERGY" and "ALLERGIES"
Capitalize "against medical advice" as "AGAINST MEDICAL ADVICE"
Expand and capitalize "AMA" as "AGAINST MEDICAL ADVICE"
Capitalize "code blue" as "CODE BLUE"
Capitalize "code R" as "CODE R"
Capitalize "code status" as "CODE STATUS"
The second



Sleep Mode Timer

You can now set the amount of silent time that passes before the microphone automatically goes into **Sleep** mode.

To modify this option, on the **DragonBar**, click **Tools > Options** and then select the **Miscellaneous** tab.

Options 🔀
Correction Commands View Hot keys PowerMic II Text-to-speech Miscellaneous Dictation Box Data
User Open
Microphone on (asleep)
User Close Automatically save user files
Speed vs. Accuracy
Fastest Most Response Accurate
Use screen reader compatible menus
Use Active Accessibility for menu and dialog control
Launch in QuickStart mode on Windows startup
Put the microphone to sleep after 5 😭 minutes of silence
Restore defaults
OK Cancel Apply Help



New Keyboard Shortcut

You can now create a keyboard shortcut key for the **Next Field** command. This feature is useful for providers who might not be able to use a *PowerMic II* button to issue the command.

To modify this option, on the **DragonBar**, click **Tools > Options**, and then select the **Hot keys** tab. The default hotkey is **Ctrl+Shift+N**.

Options	
Text-to-speech Miscellaner Correction Commands	ous Dictation Box Data View Hot keys PowerMic II
Microphone on/off	{NumKey+}
Correction	{NumKey-}
Force command recognition	{Ctrl}
Force dictation recognition	{Shift}
DragonBar menu	{NumKey*}
Microphone sleep/on	{NumKey/}
Press-to-talk	
DictationBox	{Ctrl+Shift+D}
Playback	{Shift+NumKey-}
Fast Playback	{Shift+NumKey*}
Next Field	{Ctrl+Shift+N}
Transfer Text	{Ctrl+Shift+T}
Hidden Mode	{Ctrl+Shift+H}
	Restore defaults
ОК	Cancel Apply Help



New Voice Commands

You can now use the voice command "Accept Defaults" to remove the delimiting brackets in a DragonTemplate. This command can be used in addition to the "Clear Variable Delimiters" and "Clear Field Delimiters" commands.

Formatting Option Changes

• The **Spell "disfluency" and related words with "dys"** option (previously located on the **Miscellaneous** tab) has been removed. *Dragon Medical* now selects the most commonly used spelling for each word. If you want to change the spelling of a word that can start with either **dys** or **dis**, change (or add) the alternate written form of the word in the **Properties** dialog of the **Vocabulary Editor**.

To open the Vocabulary Editor, use the voice command "Open Vocabulary Editor" or, on the DragonBar, click Words > View/Edit.

• A new option, **Caps Lock key overrides capitalization commands**, is available on the **General** tab. Selecting this option allows you to override existing capitalization rules by pressing the **Caps Lock** key on your keyboard.

Hidden Mode Indicator

When you are dictating in **Hidden Mode**, the yellow **Select-and-Say** indicator on the **DragonBar** now indicates whether the **Dictation Box** (which is where *Dragon Medical* stores text while it is in hidden mode) contains text or whether it is empty. If the **Dictation Box** contains text, a plus sign (+) appears on the **Select-and-Say** indicator. If the **Dictation Box** is empty (text has already been transferred), the plus sign does not appear. The following illustrations show both cases.

Dictation Box contains text:

伤 DragonBar							X
	+	<u>D</u> ragon	<u>T</u> ools	<u>W</u> ords	<u>S</u> ound	<u>H</u> elp	×
Microph	one is	off					

Dictation Box does not contain text:

🔥 DragonBar							X
	\bigcirc	<u>D</u> ragon	<u>T</u> ools	<u>W</u> ords	<u>S</u> ound	<u>H</u> elp	×
Micropho	one is (off					



Transfer Text from Dictation Box

You can now select a specific method of transferring text (copy/paste, specific keystroke, and so on) from the **Dictation Box** to other applications, for each application you use.



Note: This feature is available only if the Anchor Dictation Box administrator setting has been selected.

For example, to specify a transfer method from the Dictation Box into Microsoft Word:

- 1. Open Dragon Medical and select a user.
- 2. Open a document in Word.
- 3. Place the cursor in the Word document.
- Start the Dictation Box ("Open Dictation Box" voice command, or, on the DragonBar, click Tools > Dictation Box.)
- 5. In the Dictation Box, click Settings. The Dictation Box Settings dialog box opens.

Dictation Box Settings	
Font Tahoma, 8 point	
AaBbYyZz	Change Font Default
Window position	
Anchor	
O Automatically position Dictation Box near the cursor	
Settings for application "Microsoft Office Word":	
Copy:	
O Do not copy	
• Type keys <ctrl+c></ctrl+c>	
O Use Windows Copy command	
Paste:	
Type keys <ctrl+v></ctrl+v>	
O Use Windows Paste command	
O Simulate keystrokes	
Show character count	
Keep transferred text in clipboard when the Dictation box is closed	
Restore Defaults OK Cance	el Help



- 6. Select a **Paste** option (for this example, select **Type Keys <Ctrl+V>**).
- 7. Click **OK** to save your selection and close the dialog box.
- 8. Dictate into the **Dictation Box**.
- 9. When finished, return to Microsoft Word and say "**Transfer Text**" (or press the **Transfer Text** hot key, which is **Ctrl+Shift+T** by default). *Dragon Medical* transfers the text using the chosen **Paste** option.
- 10. Close Word.

Now your transfer option from the **Dictation Box** to Word is set to the **Type Keys <Ctrl+V>** option.



Option to Automatically Close the Dictation Box

You can now set an option, **Exit Dictation box after transferring text**, that automatically closes the **Dictation Box** after transferring text.



Note: This feature is available only if the Anchor Dictation Box administrator setting has not been selected.

To modify this option, click **Tools > Options** and then select the **Dictation Box** tab.

ptions		
Correction Commands View	Hot keys	PowerMic II
Text-to-speech Miscellaneous	Dictation Box	Data
Font Tahoma, 8 point		
AaBbYyZz	Chan	ge Font Vefault
Paste options		
 Type keys <ctrl+v></ctrl+v> Use Windows Paste command Simulate keystrokes 		
C Dictation Box Open		
 Always visible 		
 Always hidden 		
Show character count		
 Exit Dictation box after transferring text 		

If you *select* this option (default setting), the following statements apply:

- If the **Dictation Box** is *visible* (**Dictation Box Open** option is set to **Always visible**), the **Dictation Box** closes when the text is transferred into the target application, and *Dragon Medical* retains its current mode. (For example, if *Dragon Medical* was in the **Normal** mode when **Dictation Box** was opened, it remains in the **Normal** mode after the **Dictation Box** is closed. This was the behavior in *Dragon Medical*, version 10.0.)
- If the **Dictation Box** is *hidden* (**Dictation Box Open** option is set to **Always hidden**), the **Dictation Box** closes when the text is transferred into the target application.



However, in this case, *Dragon Medical* switches to the **Normal** mode at this time (since **Hidden Mode** is actually a *Dragon Medical* operational mode).

If you *clear* this option, the following statements apply:

- If the **Dictation Box** is *visible* (**Dictation Box Open** option is set to **Always visible**), the **Dictation Box** remains open after the text is transferred into the target application, and *Dragon Medical* retains its original mode. (For example, if *Dragon Medical* was in the **Normal** mode when **Dictation Box** was opened, it remains in the **Normal** mode after the **Dictation Box** is closed.)
- If the **Dictation Box** is *hidden* (**Dictation Box Open** option is set to **Always hidden**), *Dragon Medical* remains in **Hidden Mode** after the text is transferred into the target application. (This was the behavior in *Dragon Medical*, version 10.0.)



Note: To see your current mode, on the **DragonBar**, click **Words** and look for the mode with the black dot beside it.



Changes on the Options > Commands Tab

The **Enable Cut and Delete shortcut commands** option is now two separate options: **Enable Cut shortcut command** and **Enable Delete shortcut command**. You can enable or disable the **Cut** and **Delete** commands separately.

To change the settings on these commands, on the **DragonBar**, click **Tools > Options** and select the **Commands** tab.

Options 🔀
Text-to-speech Miscellaneous Dictation Box Data Correction Commands View Hot keys PowerMic II
Pause required before commands Short (0.1 sec)
Enable mouse motion commands Speed
Enable HTML support
Enable commands in HTML windows
Require "Click" to select hyperlinks in HTML windows
Require "Click" to select menus and controls
Enable recognition mode switching commands
Enable Web search commands
Enable Desktop search commands
Enable Email and Calendar commands
 Enable Cut shortcut command Enable Delete shortcut command
Enable Copy shortcut commands
Left variable delimiter:
Right variable delimiter:
Natural Language Commands Restore defaults
OK Cancel Apply Help



Changes on the Options > Data Tab

The default value for **Disk space reserved for playback** is now **100** instead of **40**.

Options					
Correction C	ommands	View	Hot k	eys	PowerMic II
Text-to-speech	speech Miscellaneous		Dictatio	on Box	Uala
Store corrections in archive					
Conserve disk space required by user files (for portability)					
Incremental adaptation in general training					
Disk space reserved for playback: 100 MB					
Save recorded dict	ation with doc	cument N	ever 💉	*	
Automatically back up user files every 5 saves					
Text-to-speech Store correction Conserve disk s Incremental ada Disk space reserve Save recorded dict Automatically back	Miscella s in archive pace required aptation in gen d for playback ation with doo up user files e	aneous by user files heral training c: 10 cument N every 5	Dictation of the portable of t	IB aves	Data

New User Wizard Changes

• The Vocabulary list in the New User Wizard no longer has a default vocabulary selected. You must choose a vocabulary from the list before clicking Next on this first page of the New User Wizard.

New User Wizard	
Create User	
Your name:	Eric Johnson
Language:	US English
Accent:	General
Dictation source:	PowerMic II Microphone
Vocabulary:	Advanced



• The E-mail checkbox is no longer selected by default on the Adapt Dragon Medical to Your Writing Style page of the New User Wizard.

 $\sqrt[9]{}$ Note: The *E-mail* checkbox is not selected by default when adding a new vocabulary.

• The (Not recommended) text has been removed from the Skip this step checkbox on this page.

New User Wizard		×
Adapt Dragon Medical to	your writing style acy by using:	
E-mail (Microso	oft Outlook, Microsoft Outlook Express, Lotus Notes)	
Documents (Microso	oft Word, Corel WordPerfect, Text, and Rich Text Files)	
Adapting to you	Start Ir writing style can take between 5 and 30 minutes.	
Start (Finish	
Skip this step		
	< Back Next > Cancel Help	

Known Issues Resolved in Dragon Medical 10.1 (for Providers)

- Custom words are no longer added when the Automatically add words to the vocabulary option (DragonBar > Options > Correction tab) is selected.
- When dictating in Outlook 2007, the message no longer scrolls down after every line of dictation.
- When you save a user profile after an unsuccessful word adaptation attempt, the profile remains intact and is not corrupted.
- *Dragon Medical* now functions properly when you capitalize a portion of a word.
- The "Delete <word>" command now adjusts the spacing properly.



- Extra space is now removed after using the "Cut (or Delete) previously selected word" commands.
- *Dragon Medical* no longer returns an unexpected value after you use the "**Compound That**" voice command.
- Words corrected using the **Spell** dialog box are no longer marked with a green asterisk in **Vocabulary Editor**. A green star next to a word indicates that the word has been moved from the *backup* dictionary to the *active* vocabulary due to a correction.
- Text is no longer deleted after dictating the "period" voice command.
- The hot keys for Force command recognition (Ctrl) and Force dictation recognition (Shift) now work properly when you are in Hidden Mode.
- After transcribing an audio file, your microphone automatically is placed in the **Sleep** mode.
- The **Spell** mode now provides proper spacing between characters.
- Hidden Mode voice commands now work properly even when they are also assigned as User Commands in the *PowerMic II* tab in Options.
- The "Clear Variable Delimiters" voice command now works properly in a Word document that contains fields within a table.
- The **Results Box** now works properly while dictating in Microsoft Word 2003.
- The Esc key now closes the Correction dialog box regardless of the Automatic playback on correction option setting.
- The "Scratch That" voice command now works properly when the Caps lock key overrides capitalization commands option (DragonBar > Formatting > General tab) is selected and the Caps Lock key is on.
- Voice command names that contain the abbreviation "Dr." are now recognized.
- When creating a new user, you no longer receive an exception access violation (c0000005).
- After enabling capitalization, it now remains turned on when using either your keyboard or mouse.