

Client installation guide

For:

Nuance®
Dragon® Professional
Group

Nuance®
Dragon® Legal
Group

Nuance®
Dragon®
Law Enforcement

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We strongly urge current owners of Nuance products that include optional system password features to verify that these features are enabled! You can call our support line if you need assistance in setting up passwords correctly or in verifying your existing security settings.

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Guide overview

The *Dragon Installation Guide* provides information on installing and configuring the Dragon client on one or more computers. The guide is available in PDF format from the Nuance Support web site.

Audience

This guide is intended for IT administrators and Dragon administrators whose responsibility is to install and configure Dragon clients on one or more computers.

This guide assumes you have experience in software installation and using Command Line options.

About Dragon

Dragon allows users to create reports, spreadsheets, presentations and other documentation more efficiently with fast, accurate dictation and transcription. Dragon also includes voice commands that allow users to perform everyday tasks without using the mouse or keyboard. For example, use voice commands to:

- Correct and format text
- Access buttons and menus in supported programs, including Microsoft Word, Corel WordPerfect, WordPad, and more

Administrators or users can also create custom words and commands and share them with team members.

Dragon can be installed on each client computer manually (see [“Install Dragon and choose the default settings” on page 24](#)) or through a push install (see [“Push installations” on page 30](#)).

Physical Architecture

The Dragon client can be configured to communicate with Nuance Management Center, allowing administrators to manage all Dragon clients from a single central console. The physical configuration of Dragon includes:

- **Dragon clients**—Client computers with Dragon installed
- **Roaming user storage location** (Standalone mode only)—A network-accessible storage location for the Master Roaming user profiles. May be a file server, Web server, or any location accessible to other computers within your network.

For more information on the Roaming feature, see the Dragon Help.

- **Application server**—(Nuance Management Center/NMS mode users only) The NMC server. Stores user accounts, settings, and administrative information. Can be a single machine, or, in large installations, can be multiple servers load-balanced by a network traffic switch. Can be the Nuance-hosted NMC server in the cloud, or a server that you install and host on-premise.
- **Database server**—(Nuance Management Center/NMS mode users only) Hosts the SQL database that stores your data, like sites, groups, and licenses. Can be the same physical machine as your application server, or a separate database server.

For more information on each Dragon component, see [“Additional resources” on page 10](#).

Additional resources

The following resources are available in addition to this guide to help you manage your Dragon installation.

Documentation

Document	Description	Location
Dragon Help	Full online Help system that includes commands and instructions for dictating, correcting, and more with Dragon.	Dragon Help. When Dragon is open, click the Help icon () on the DragonBar, and then select Help Topics .
<i>Dragon Release Notes</i>	New features, system requirements, client upgrade instructions, and known issues.	Dragon Help. Do the following: <ol style="list-style-type: none"> 1. When Dragon is open, click the Help icon () on the DragonBar, and then select Help Topics. 2. Click Get started. 3. Click Dragon release notes.
<i>Dragon Wireless Headset User Guide</i>	Instructions for connecting and using your Bluetooth headset with Dragon.	Dragon Support web site
<i>Dragon Workbook</i>	Instructions and training exercises for performing Dragon's basic tasks, like dictating and correcting text by voice.	Dragon Support web site
<i>Dragon Professional Group Citrix Administrator Guide</i>	Hardware, software, and network requirements for deploying Dragon in a network of client computers that connect to a Citrix server to access published applications.	Dragon Support web site
<i>Nuance Management Center</i>	Instructions for installing and configuring the NMC	Dragon Support

Document	Description	Location
<i>Server Installation and Configuration Guide</i>	server, database, and NMC console, and instructions for configuring single sign-on authentication.	web site
<i>Nuance Management Center Administrator Guide</i>	Information on creating and maintaining objects and managing Dragon clients from the NMC console.	Dragon Support web site

Training

Nuance provides several Dragon training offerings, like webinars, demos, and Nuance University online training courses. For more information, see the Dragon Support web site.

Support

The Dragon Support web site provides many resources to assist you with your Dragon installation, like forums and a searchable knowledgebase. For more information on Support offerings, see the Dragon Support web site at:

<http://www.nuance.com/voice-and-document-productivity/dragon/support/dragon-naturallyspeaking.html>

Chapter 2: Preparing to install Dragon

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Checklist—Planning the client installation

Use this checklist to help you prepare for client installations.

	Task	Reference
<input type="checkbox"/>	Set default options at the site and group level for PowerMic settings and hot keys in the NMC console (NMS mode only).	<i>Nuance Management Center Administrator Guide</i>
<input type="checkbox"/>	Assign access to the necessary folders and Registry keys on client machines.	“Assigning access ” on page 17
<input type="checkbox"/>	Prepare client workstations.	“Preparing client workstations” on page 18
<input type="checkbox"/>	Perform an initial installation of the Dragon client.	“Initial installation” on page 24
<input type="checkbox"/>	Set up the configuration files as needed, and then copy them to a directory you can access from other computers.	“Natspeak.exe Command Line options” on page 25
<input type="checkbox"/>	Install the Dragon client on users’ machines using one of the following methods: <ul style="list-style-type: none"> • Manual install from a DVD. • Push install with an MSI. 	<ul style="list-style-type: none"> • “Installing the same Dragon configuration on multiple computers” on page 32 • “Command Line installation with msixec.exe” on page 34
<input type="checkbox"/>	Associate Dragon clients with the NMC server or Local Authenticator (NMS mode only).	“Associating Dragon clients with the Nuance Management Center server or Local Authenticator” on page 36

Preparing for an installation

Before installing, modifying, or upgrading Dragon:

- Install any pending Windows updates, and then restart the computer.
- Turn off or disable any antivirus software until installation is complete. Installation can sometimes trigger a false virus report.
- Close all open applications.
- Read “[Checklist—Planning the client installation](#)” on page 14.
- Ensure your system meets the requirements before attempting to install Dragon.

For more information, see “[Dragon system requirements](#)” on page 19.

For upgrade instructions, see the Dragon client Help at:

http://www.nuance.com/products/help/dragon15/dragon-for-pc/enx/-professionalgroup/Content/ReleaseNotes/DG_relnotes.htm#UpgradeInstructions

Installation considerations

- Administrator rights are not required to create a user profile or use the software after installation. Note that if an administrator creates a user profile while logged in as an administrator, that profile is not accessible to users with restricted privileges.
- Users are permitted to create multiple profiles, provided each profile is for one person. Additional users must purchase a separate license for Dragon. Volume license agreements are available.

Storage space considerations

Each Dragon user must have his or her own user profile. This is a set of files in which Dragon stores information about each user’s voice, frequently-used words and phrases, optional settings, and custom commands (if applicable). Each computer on which Dragon is installed must have enough free space for the required user profile(s).

Use the following guidelines for allocating disk space on your system. The actual amount of disk space varies from site to site.

To set the amount of data to store:

1. From the DragonBar, select **Tools>Administrative Settings**.
The **Administrative Settings** dialog box opens.
2. Select the **Disk space reserved for network archive** option.

For each Master Roaming user profile:

- 90 MB for each Roaming user profile
- 21 MB for each additional vocabulary you add for the user profile
- 70 MB for each additional dictation source you add for the user profile
- 1000 MB for Acoustic Optimizer data associated with each dictation source of each user profile

For each Local Roaming user profile:

- 90 MB for each Roaming user profile
- 21 MB for each additional vocabulary added for this user profile
- 70 MB for each additional dictation source added for this user profile
- 240 MB for Acoustic Optimizer data associated with each dictation source of each user profile

For each non-Roaming user profile:

- 127 MB of hard disk space

Dragon periodically creates a backup copy of a non-Roaming user profile and stores the copy on the local computer. In contrast, a Roaming user profile is stored in a network storage location and Dragon does not create a backup copy of a Roaming user profile.

An administrator should create backup copies of all Roaming user profiles on a regular basis.

Assigning access

To ensure that your Dragon network components can communicate with each other and that the network can function properly, you must assign permissions to all directories and access rights to administrator and user accounts on servers and clients as indicated below.

Location or registry key	Permissions level or type of access rights	Users affected
Roaming user profiles folder (Optional)	Full read/write/modify permissions	Windows user accounts for all users dictating on Dragon clients
C:\ProgramData\Nuance folder and all sub-folders	Full read/write/modify permissions	Windows user accounts for all users dictating on Dragon clients
C:\Users\<Windows User ID>\AppData\ folder and all sub-folders	Full read/write/modify permissions	
HKEY_LOCAL_MACHINE\SOFTWARE\Nuance	Rights to update the registry to read/write to these keys	Windows accounts used on workstations running the Dragon client
HKEY_CURRENT_USER\SOFTWARE\Nuance		

Assigning permissions for Roaming users

To ensure each dictating user has appropriate access to his or her user profile, you must give full read/write/modify permissions to all files and directories where the Roaming user profiles are located, even through http or https connections. This level of access ensures that when the user dictates, Dragon can interact with the Roaming user profiles effectively.

Each Windows user account that logs in to the Dragon client workstation should also have read/write/modify access to the Roaming user profiles, since the Dragon client frequently modifies these profiles.

Preparing client workstations

Turning off Windows Automatic Updates

After you set up each physical server or workstation, turn off Windows Automatic Updates. For each update Windows sends, install it first on a single test machine; update other machines only after you have determined that it does not disrupt the network.

Anti-virus recommendations

Nuance recommends that anti-virus software be installed on all Dragon servers and clients.

Recommended virtual memory settings

Set Virtual Memory to 4092 on Windows Server, or to the maximum possible setting on workstations that have 4 GB of RAM.

Dragon system requirements

During the installation process, the software checks that your system meets the following requirements. If they are not met, Dragon is not installed.

RAM	Minimum: <ul style="list-style-type: none"> • 4 GB for all operating systems.
CPU	Minimum: 2.2 GHz Intel® dual core or equivalent AMD processor. Faster processors yield faster performance.
Free hard disk space	<ul style="list-style-type: none"> • 4GB if DVD installation, or • 12GB if downloading installation files
Supported operating systems	<ul style="list-style-type: none"> • Windows 7, 8.1, and 10, 32-bit and 64-bit • Windows Server 2008 R2 • Windows Server 2012 • Windows Server 2016
Other	<ul style="list-style-type: none"> • Internet Explorer 11 or the current version of Chrome for online Help and for installation if installing from the Web • Microsoft .NET Framework version 4.5.2 or later Generally, the .NET Framework is pre-installed on Windows 7, 8.1, and 10 computers. If you do not have it installed, you are prompted to install it during Dragon's installation. Nuance does not provide the .NET Framework with your installation; you must download the installation file from microsoft.com. • A DVD-ROM drive if installing from disk • An audio input device capable of 16-bit recording for dictation For a list of recommended devices, see http://support.nuance.com/compatibility/. • An internet connection to connect to the Nuance Management Center (NMC) Server

Dragon file structure

During installation, Dragon creates the following default folders for application and data file storage.

Note: Upgrading Dragon from an earlier version automatically relocates some directories and files.

Windows 7, Windows 8.1, and Windows 10

Dragon setup log (dgnsetup.log)

C:\ProgramData\Nuance\NaturallySpeaking15\logs

Dragon log

C:\ProgramData\Nuance\NaturallySpeaking15\logs*<Windows_User_Name>*

User profiles

C:\ProgramData\Nuance\NaturallySpeaking15\Users

Upgrade log

C:\Users*<Windows_User_Name>*\AppData\Roaming\Nuance\NaturallySpeaking15

Roaming user profiles (local folder)

C:\ProgramData\Nuance\NaturallySpeaking15\RoamingUsers

Vocabularies and acoustic models

C:\ProgramData\Nuance\NaturallySpeaking15\Data

Custom words and commands

C:\ProgramData\Nuance\NaturallySpeaking15\custom*<Language>*\

Program files

For 32-bit systems	For 64-bit systems
C:\Program Files\Nuance\NaturallySpeaking15\Program	C:\Program Files (x86)\Nuance\NaturallySpeaking15\Program

Help

For 32-bit systems	For 64-bit systems
C:\Program Files\Nuance\NaturallySpeaking15\Help	C:\Program Files (x86)\Nuance\NaturallySpeaking15\Help

Interactive Tutorial

For 32-bit systems	For 64-bit systems
C:\Program Files\Nuance\	C:\Program Files (x86)\Nuance\

For 32-bit systems	For 64-bit systems
NaturallySpeaking15\itutorial	NaturallySpeaking15\itutorial

Accessing program files

You can access the Dragon client and many associated utilities through the **Start** menu. Their location varies by operating system:

- Windows 7: Select **Start > All Programs > Dragon**.
 - Some utilities are located inside the **Dragon Tools** subfolder.
- Windows 8.1: From the **Start** screen, click the down arrow to show all applications. Scroll to find **Dragon**.
- Windows 10: Select **Start > All apps > Dragon**.

Chapter 3: Initial Installation of Dragon

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Install Dragon and choose the default settings

Install Dragon on the client computer using the installation DVD. If you plan to install Dragon on multiple computers, run through an initial installation before attempting to install Dragon from a server. Use the initial client installation to set default values for Administrative and Auto-Formatting options. You can then install Dragon on other computers using the same options.

Notes:

- You must have Windows Administrator rights to install or uninstall Dragon.
- If you have more than one language, the installation process uses your operating system's language, if supported. If Dragon does not support your operating system language, the installer runs in English. You cannot install Dragon using a language other than the primary language. For example, if you install the German software on a French operating system, the installation interface is in French. If you install the German software on a Chinese operating system, the installation interface is in English.

Initial installation

To perform an initial installation of Dragon, run the `setup.exe` file from your installation DVD.

1. Insert the product DVD.

If the installation does not start automatically, run `setup.exe` from the DVD.

2. Follow the prompts to navigate through the wizard.
3. On the Region Selection screen, select a region to install, or select **All English regions** to install more than one region.

The region determines the accents and vocabularies available on this installation. Selecting a single region saves disk space, but users cannot create user profiles with an accent that is not included with the selected region.

4. On the same screen, select the **Advanced** check box to customize your settings, then click **Next**.
5. On the Advanced screen, select the following check boxes to display additional dialog boxes at the end of the installation. These dialog boxes allow you to choose settings that apply to all users dictating on this computer. You can then copy these settings to other installations.
 - **Modify the application's settings for all user profiles**—If selected, the Options dialog box appears.
 - **Modify the administrative settings**—If selected, the Administrative Settings dialog box appears.
 - **Auto-Formatting options**—If selected, the Auto-Formatting dialog box appears.
6. When each of the dialog boxes appears, select the options to apply to all client installations, and then click **OK**. The dialog boxes are:
 - **Options**—Select the default options for correction, hot keys, data storage, and other settings.

NMC users—Only options in the Commands tab are saved to the NMC server. All other settings are saved locally.

- **Auto-Formatting**—Select the Auto-Formatting options.

NMC users—Administrators can also control these settings in the NMC console.

- **Advanced**—Select default settings on the following tabs:
 - **Roaming** (Stand-alone mode only)—Optionally enable and configure the Roaming feature.

Note: Some Roaming settings are saved in `roamingdef.ini`. To include Roaming user settings in future installations, you must pass this file to the `ROAMINGUSERINI` option. For more information, see [“MSI properties for Dragon installations” on page 68](#).

- **Miscellaneous** (Stand-alone mode only)—Set other administrative options.
- **Scheduled Tasks**—Enable and schedule Accuracy Tuning (Stand-Alone mode only) and Data Collection tasks.
- **NMS Settings**—To configure the client to connect to the NMC server, select **Enable NMS** and enter the server address.

Note: You cannot use the NMC console to enable Nuance Management Center/NMS mode on client computers.

7. Click **Install** to begin the installation process.

The installation progress bar appears. The process may take several minutes.

8. When the installation is complete, click **Finish** to exit the InstallShield Wizard.

Dragon saves the configuration you created during setup in `nsdefaults.ini`. If you set up your installation for Roaming user profiles, there is also a file called `roamingdef.ini`. These files are located in:

`C:\ProgramData\Nuance\NaturallySpeaking15`

The `.ini` file(s) contains custom settings that you can apply to each of the Dragon installations you deploy. Retrieve `nsdefaults.ini` (and `roamingdef.ini`, if applicable) and copy to a directory you can access from the other client computers.

Note: To add or change settings in the `.ini` files after you complete your initial installation, see [“Natspeak.exe Command Line options” on page 25](#). Otherwise, see [“Overview—Installing the Dragon client with initial settings” on page 30](#).

Natspeak.exe Command Line options

To install the Dragon client on other computers with default settings, you must configure your initial installation using the `natspeak.exe` command line options. Dragon saves this configuration in the `nsdefaults.ini` file in:

`C:\ProgramData\Nuance\NaturallySpeaking15`

To create or modify `nsdefaults.ini`, perform the following steps on the workstation where you created the initial installation of Dragon:

1. Close Dragon if it is running.
2. Open a Command Prompt window:
 - Windows 7: **Start > All Programs > Accessories > Command Prompt**
 - Windows 8.1: From the **Start screen**, click the down arrow to show all apps, and then scroll to **Windows System > Command Prompt**
 - Windows 10: **Start > All apps > Windows System > Command Prompt**

3. Switch to the program directory. The default is:

`C:\Program Files (x86)\Nuance\NaturallySpeaking15\Program`

4. Enter the commands below to change the default configuration. All steps are optional; if you skip a step, your installation uses the default values for the associated options.

For more information on the individual dialog boxes and their settings, see the Dragon help.

- To open the Options dialog box, enter

`natspeak.exe /SetDefaultOptions`

In the dialog box, select the default options that should apply to all client installations, and then click **OK**.

- To open the Auto-Formatting dialog box, enter

`natspeak.exe /SetDefaultFormattingOptions`

In the dialog box, select default Auto-Formatting options to apply to all client installations, and then click **OK**.

- To open the Administrative Settings dialog box, enter

`natspeak.exe /SetDefaultAdministrativeOptions`

In the dialog box, select settings to apply to all installations in the tabs, and then click **OK**.

5. The configuration you created running `natspeak.exe` is saved in `nsdefaults.ini`. If you configured Roaming users, you'll also see the `roamingdef.ini` file. By default, you can find configuration files here:

`C:\ProgramData\Nuance\NaturallySpeaking15`

6. When you have located `nsdefaults.ini`, verify that your option settings have changed. Double-click the `nsdefaults.ini` file to open it in a text editor. You should see values defined for the options you changed.

For information on the settings created in `nsdefaults.ini`, see ["Modifying nsdefaults.ini" on page 39](#).

7. Include the newly created `nsdefaults.ini` file and, if applicable, `roamingdef.ini`, in your MSI package to distribute the file to all workstations where Dragon is installed.

For more information, see ["Overview—Installing the Dragon client with initial settings" on page 30](#).

Other `natspeak.exe` options

Use these options from the command line:

Switch	Function
/SetAdministrativeOptions	Opens Administrative Options dialog box to change settings for the current installation. This switch does not affect nsdefaults.ini. Changes are saved for the local installation only.
/About	Shows the About dialog for the Dragon client.
/User <user profile>	Opens the specified user profile (Stand-alone mode only)
/User <username> <password>	Logs the user in to the Dragon client (NMS mode only).
/Trusted	Opens the Dragon client and performs a trusted login with Windows credentials (NMS mode only).
/LogOut	Logs the user out (NMS mode only).
/SaveandShutDown	Closes Dragon and saves user profile changes. <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">This setting is for use in NMS mode only.</div>
/ShutDown	Closes Dragon without saving user profile changes. <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">This setting is for use in NMS mode only.</div>
/Diagnose	Runs Dragon in diagnostic mode and exits. Information is saved to Dragon.log.
/FindAppData	Opens the AppData directory for the Dragon client.
/FindAppDataAllUsers	Opens the directory where the .ini files are stored.
/FindDragonLog	Opens the directory that contains Dragon.log.
/FindSetupLog	Opens the directory that contains the Dragon setup log (dgnsetup.log).
/FindUpgradeLog	Opens the directory that contains the upgrade log.
/Deactivate	Deactivates the license for the current Dragon client.
-rebuildmodels	Merges datapack files so that they can be used with Dragon. This process is performed automatically during product installation. You can repeat the process if, for example, you want to use a custom vocabulary.

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Overview—Installing the Dragon client with initial settings

Use command line options to copy the settings you created in the initial Dragon installation to all your Dragon client installations.

Prerequisites

Before installing the Dragon clients:

- Have the Dragon serial number available. If you are installing or upgrading Dragon on multiple networked computers, have the group serial number available.
- Ensure all mapped drives you plan to use are mapped on each client computer where you are distributing the installation.
- Install any pending Windows updates on clients and restart as needed.
- Copy any `.ini` files you want apply to your installation to a central location so you can access them later.

Installation methods

- `setup.exe`—See “[Installing the same Dragon configuration on multiple computers](#)” on page 32
- `Dragon 15.msi`—See “[Command Line installation with msiexec.exe](#)” on page 34
- `admininstall.bat`—See “[Performing an administrative installation with a batch file](#)” on page 33

Note: If you selected **Enable Desktop Search Commands** on the Commands tab during the initial installation, you must also install Microsoft Search on the client computers before installing Dragon.

For information on MSI options used in all Command Line installations, see the Microsoft website: [http://msdn.microsoft.com/en-us/library/aa367988\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/aa367988(v=vs.85).aspx).

MSI options specific to Dragon client installations are available in “[MSI properties for Dragon installations](#)” on page 68.

Hints:

- The first time you run an installation from the command line, you should use the `/qf` option rather than `/qn`. This allows you to see prompts that help you determine any problems with the command line.
- If your path name is long or contains spaces, enclose it in quotation marks. Be sure to escape each quotation mark with a backslash: `\`.
- To ensure that you receive messages about any errors that occur during the installation, pass `/L` and one or more sub-options, followed by a log file name. You can send the log file to Nuance Technical Support, should any issues arise.

Push installations

Dragon includes a native Windows Installer (MSI) that allows you to install across a network to multiple client computers. You can use `Dragon 15.msi` or `admininstall.bat` to perform a push installation.

Several servers support this type of network installation:

- Windows Server 2008 R2 and 2012 x64
- Windows Server 2016
- System Management Server (SMS)
- Active Directory

Dragon supports the Active Directory Assign to Computers installation option.

Installing the same Dragon configuration on multiple computers

Use the following procedure to install with `setup.exe` in the command line from a single client machine.

Note: When you are using the `setup.exe` method, you must ensure that all flags and properties are within the same set of quotes, directly after `/v`, without a space.

1. Open a Command Prompt:
 - Windows 7: **Start > All Programs > Accessories > Command Prompt**
 - Windows 8.1: From the **Start screen**, click the down arrow to show all apps, and then scroll to **Windows System > Command Prompt**
 - Windows 10: **Start > All apps > Windows System > Command Prompt**
2. Insert the installation DVD and search for the directory where `setup.exe` is located.
3. In the Command Prompt window, switch to the `setup.exe` directory.
4. To install the configuration you created during the initial installation, enter the following, substituting your information as needed:

```
setup.exe /s /v"SERIALNUMBER=<SerialNumber>  
INSTALLDIR="C:\Program Files (x86)\Nuance\NaturallySpeaking15\  
DEFAULTSINI="C:\<full_path>\nsdefaults.ini\  
/L*v C:\Logs\logfile.log"
```

To include Roaming network settings, include the option:

```
ROAMINGUSERINI="C:\<full_path>\roamingdef.ini"
```

If you do not pass the `ROAMINGUSERINI` option, Dragon uses default Roaming network settings.

Performing an administrative installation with a batch file

A simple way to install Dragon from the command line is to perform an administrative installation using a .bat file. A script for performing a full administrative installation is provided in the `admininstall.bat` file included with your installer.

Caution: Only advanced administrators should perform an administrative installation.

To run the batch file:

1. Open an elevated command prompt:
 - Windows 7: Go to **Start > All Programs > Accessories**, then right-click **Command Prompt** and select **Run as administrator**.
 - Windows 8.1: From the **Start** screen, click the down arrow to show all apps, and then scroll to **Windows System**. Right-click **Command Prompt**, and select **Run as administrator**.
 - Windows 10: Go to **Start > All apps > Windows System**, then right-click **Command Prompt** and select **Run as administrator**.
2. In your installation folder, locate `admininstall.bat` and switch to that directory.
3. Enter `admininstall.bat` and follow it with the location of `Dragon 15.msi`. For example:

```
admininstall.bat "C:\<full_path>\Dragon 15.msi"
```

Understanding the script in `admininstall.bat`

Below are some of the lines from the script in the `admininstall.bat` file, a batch file that decompresses setup files into a network location for installation using SMS or another service.

Near the top of the batch file are the lines that check the parameters entered and, if the parameter passed is not acceptable, execute a routine that handles that situation:

```
:rem //Check and analyze input parameters
if %1==.. goto bad_args
```

If the arguments you pass when you enter the command are acceptable, the batch file sets the `NETWORK_DNS_DIR` to the location of `Dragon 15.msi`:

```
set NETWORK_DNS_DIR=%1%
```

When you run the `admininstall.bat` file, the file installs Dragon using a single line of code:

```
echo Installing Dragon...
setup.exe /a /s /v"/qb TARGETDIR=%NETWORK_DNS_DIR% /Liwmo!e+ %TEMP%\
admininstall.log"
```

When the installation of Dragon succeeds or fails, the batch file displays an appropriate message. The remainder of the file handles errors and cases where bad arguments are passed on the command line.

Modifying `admininstall.bat`

You can modify `admininstall.bat` by adding to and changing the options you pass for installing Dragon. See [“MSI properties for Dragon installations” on page 68](#) for information on the MSI options available for Dragon installations.

Command Line installation with msiexec.exe

Another way to install Dragon from the command line on several client computers is to use the `msiexec.exe` program from Microsoft.

The compiled MSI file, `Dragon 15.msi`, is located on your installation DVD.

You can double-click the `.msi` file to start the InstallShield Wizard. However, to take advantage of available command line options, use the command line installation process described below.

Installing the same configuration on additional computer(s)

1. Open a Command Prompt:
 - Windows 7: **Start > All Programs > Accessories > Command Prompt**
 - Windows 8.1: From the **Start screen**, click the down arrow to show all apps, and then scroll to **Windows System > Command Prompt**
 - Windows 10: **Start > All apps > Windows System > Command Prompt**
2. On your installation DVD, find the directory where `Dragon 15.msi` is located.
3. In the Command Prompt window, switch to the `Dragon 15.msi` directory.
4. Retrieve the customized `nsdefaults.ini` file from the computer where you performed the initial installation.
5. To install the configuration you created during the initial installation, enter the following, substituting your information as needed:

```
msiexec /i "Dragon 15.msi"  
SERIALNUMBER=<SerialNumber>  
DEFAULTSINI="<full_path>\nsdefaults.ini"  
/L*v "C:\Logs\logfile.log" /qn
```

To include Roaming network settings, include the option:

```
ROAMINGUSERINI="C:\<full_path>\roamingdef.ini\"
```

If you do not pass the `ROAMINGUSERINI` option, Dragon uses default Roaming network settings.

Chapter 5: Configure the Dragon Client for NMC

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Associating Dragon clients with the Nuance Management Center server or Local Authenticator

To allow Dragon clients to work with Nuance Management Center, you must enable Nuance Management Center/NMS mode on each client. You can set up the connection during your initial installation (for more information, see [“Initial installation” on page 24](#)) or follow the steps below to manually enable Nuance Management Center/NMS mode.

Note: For information on installing and configuring NMC servers, see the *Nuance Management Center Server Installation and Configuration Guide*.

1. Open Dragon if it is not already running.
2. From the DragonBar, select **Tools>Administrative Settings**.
3. If a warning dialog appears, click **Proceed**.
Your operating system may require you to enter your user name and password.
4. Click the **NMS Settings** tab.
5. Select the **Enable NMS** check box.
6. In the **Server** field, enter one of the following:
 - If you are using the Nuance-hosted NMC server in the cloud with native NMC authentication, enter the address of the cloud server. You should have received this address in your Welcome email from Nuance.
 - If you are using the Nuance-hosted NMC server in the cloud with Active Directory single sign-on authentication, enter the address of the server on which the Local Authenticator is installed.
 - If you are using your own NMC server on premise, enter the address of your NMC server.
7. Click the appropriate radio button in the **Login Options** field.
 - Select **Provide a login name and password** if you are using native Nuance Management Center authentication.
 - Select **Use Windows single sign-on** if you configured your users for Active Directory single sign-on authentication.
8. Click **Apply**, and then click **OK**.

When the Dragon client is connected to the NMC server, users can log in to the user account that an administrator has created in the NMC console.

If the user has no existing profile, the **New User Wizard** appears after login.

Converting from Stand-Alone mode to NMS mode

If your organization decides to purchase Nuance Management Center after configuring Dragon for Stand-Alone use, you must configure all Dragon clients to connect to Nuance Management Center. Use one of the methods below to convert your clients.

The methods require modifying the default Dragon settings in `nsdefaults.ini`. For more information on `nsdefaults.ini`, see [“Modifying nsdefaults.ini” on page 39](#).

Option 1

Create a revised `nsdefaults.ini` file to enable NMS mode and provide the server address.

1. Add the following lines to a master copy of `nsdefaults.ini` under `[nssystem.ini Settings]`:

```
Connect to NMS=1
Default NAS Address=<server address>
```

For more information on NMC settings in `nsdefaults.ini`, see [“Roaming tab settings” on page 62](#).

If you prefer, you can use `natspeak.exe` to add these parameters through the **NMS Settings** tab of the Administrative Settings dialog box. For more information, see [“Natspeak.exe Command Line options” on page 25](#).

2. Replace the `nsdefaults.ini` file in `C:\ProgramData\Nuance\NaturallySpeaking15` on all client computers with the edited master copy.

Caution: Replacing `nsdefaults.ini` on client machines causes users to lose all their existing Auto-Formatting, Options, and Administrative settings.

Option 2

To avoid overwriting user settings, you can manually modify the settings on each client computer. Choose one of the following methods:

- Repeat step 1 above for the `nsdefaults.ini` file in the directory `C:\ProgramData\Nuance\NaturallySpeaking15` on each client computer.
- Manually configure the settings in the **NMS Settings** tab of the Administrative Settings dialog box.

For more information, see the Dragon help.

Because this method requires visiting each computer, it is not recommended for larger organizations.

Appendix A: Modifying nsdefaults.ini

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Dragon client settings in nsdefaults.ini

Many Dragon client settings are included in the `nsdefaults.ini` file you created when configuring your initial installation (see “[Installing the client](#)” on page 1 or “[Natspeak.exe Command Line options](#)” on page 25). The settings that are included vary based on the options you chose to configure during this initial configuration.

You can manually revise the settings in `nsdefaults.ini`, if desired, and then pass the revised file to the `DEFAULTSINI` option when installing Dragon from the command line. For information on command line installations, see “[Installing the same Dragon configuration on multiple computers](#)” on page 32.

Auto-Formatting dialog box

Auto-Formatting options

If you selected **Auto-Formatting options** during your initial install, or used the `natspeak.exe /SetDefaultFormattingOptions` command to configure default Auto-formatting options, the following setting appears in your `nsdefaults.ini` file:

Option	Description and user interface equivalent
<code>enx Turn Number Formatting On=0/1</code> Default: 1 (selected)	Automatically format text check box: If set to 1, Dragon formats specific text automatically during dictation. If set to 0, Dragon does not format text automatically.

The `[itnoptions.ini *]` section also appears at the top of your `nsdefaults.ini` file, detailing each option.

Note: If `enx Turn Number Formatting On` is set to 0, all Auto-Formatting is disabled, regardless of the settings under `[itnoptions.ini *]`.

For more information about Auto-Formatting options, see the Dragon online help.

Syntax

Each Auto-Formatting option appears on its own line, preceded by a semicolon (;). If you changed the default setting of a given option during the initial configuration, a second line appears showing the setting you selected. If you chose the default setting, you only see one line per option.

For example, if you disabled automatic formatting of street addresses by deselecting the **Street addresses** check box, you see:

```
; (Address) Street addresses
Address=0
```

If you selected the **Street addresses** check box (the default value), you see:

```
; (Address) Street addresses
```

Description and user interface equivalent	Option in ini file
<p>Web and e-mail addresses check box:</p> <p>If enabled, Dragon formats email or internet addresses automatically.</p> <p>If disabled, Dragon does not apply formatting to web and email addresses.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(WebAndEmail) &Web and e-mail addresses</pre> <p>Formatting disabled:</p> <pre>;(WebAndEmail) &Web and e-mail addresses WebAndEmail=0</pre>
<p>Units of measure check box:</p> <p>If enabled, Dragon applies formatting to units of measure, such as feet and inches.</p> <p>If disabled, Dragon does not format units of measure automatically.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(Measure) U&nits of measure</pre> <p>Formatting disabled:</p> <pre>;(Measure) U&nits of measure Measure=0</pre>
<p>Street addresses check box:</p> <p>If enabled, Dragon automatically applies formatting to street addresses.</p> <p>If disabled, Dragon does not format street addresses automatically.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(Address) Str&eet addresses</pre> <p>Formatting disabled:</p> <pre>;(Address) Str&eet addresses Address=0</pre>
<p>ISO currency codes check box:</p> <p>If enabled, Dragon formats currency amounts with the standard ISO currency codes.</p> <p>If disabled, Dragon does not format currency amounts with ISO standards automatically.</p> <p>Default: Disabled</p>	<p>Formatting disabled:</p> <pre>;(PriceIsoCode) IS&O currency codes</pre> <p>Formatting enabled:</p> <pre>;(PriceIsoCode) IS&O currency codes PriceIsoCode=1</pre>
<p>Abbreviate titles check box:</p> <p>If enabled, Dragon abbreviates common titles such as “Mr.” or “Dr.”</p> <p>If disabled, Dragon does not abbreviate titles automatically.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(AbbreviationTitle) Abbreviate tit&les</pre> <p>Formatting disabled:</p> <pre>;(AbbreviationTitle) Abbreviate tit&les AbbreviationTitle=0</pre>
<p>Phone numbers check box:</p> <p>If enabled, Dragon formats sequences of digits as phone numbers.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-top: 10px;"> <p>Note: Dragon can only format phone numbers for the same region as the current user profile (US/Canada or UK).</p> </div>	<p>Formatting enabled:</p> <pre>;(PhoneNumber) Phone num&bers</pre>

Description and user interface equivalent	Option in ini file
<p>If disabled, Dragon does not format number sequences as phone numbers.</p> <p>Default: Enabled</p>	<p>Formatting disabled:</p> <pre>;(PhoneNumber) Phone num&bers PhoneNumber=0</pre>
<p>Dates check box:</p> <p>If enabled, Dragon formats dates in the preferred format (see next row for details).</p> <p>If disabled, Dragon does not format dates automatically.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(Date) &Dates</pre> <hr/> <p>Formatting disabled:</p> <pre>;(Date) &Dates Date=0</pre>
<p>Dates drop-down menu:</p> <p>If date formatting is enabled, select a preferred format for dates, such as:</p> <ul style="list-style-type: none"> • Month DD, YYYY • Mon D, YYYY • MM-DD-YY • D Month, YYYY • D/M/YY • DD-Mon-YY <p>Default: Dates As Spoken</p>	<p>Dates as spoken:</p> <pre>;(DateFormat)</pre> <hr/> <p>All other formats:</p> <pre>;(DateFormat) DateFormat=<format></pre>
<p>Prices check box:</p> <p>If enabled, Dragon formats prices and currencies with the appropriate currency symbol. Supported currencies are:</p> <ul style="list-style-type: none"> • USD (\$, US\$) • CAD (C\$) • EUR (€) • JPY (¥) • GBP (£) • CHF (F) <p>If disabled, Dragon does not format currency automatically.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(Price) &Prices</pre> <hr/> <p>Formatting disabled:</p> <pre>;(Price) &Prices Price=0</pre>
<p>Times check box:</p> <p>If enabled, Dragon automatically formats standard or military times.</p> <p>If disabled, Dragon transcribes times exactly as spoken with no formatting.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(Time) &Times</pre> <hr/> <p>Formatting disabled:</p> <pre>;(Time) &Times Time=0</pre>

Description and user interface equivalent	Option in ini file
<p>Common abbreviations check box:</p> <p>If enabled, Dragon uses standard abbreviations such as “vs.” or “etc.” when transcribing dictation.</p> <p>If disabled, Dragon does not abbreviate common words automatically.</p> <p>Default: Disabled</p>	<p>Formatting disabled:</p> <pre>;(AbbreviationOther) Common abbre&viations</pre> <p>Formatting enabled:</p> <pre>;(AbbreviationOther) Common abbre&viations AbbreviationOther=1</pre>
<p>UK and Canadian postcodes check box:</p> <p>If enabled, Dragon formats sequences of letters and numbers as UK or Canadian postcodes.</p> <p>If disabled, Dragon does not format UK and Canadian postcodes automatically.</p> <p>Default: Disabled</p>	<p>Formatting disabled:</p> <pre>;(AddressUKAndCanada) U&K and Canadian postcodes</pre> <p>Formatting enabled:</p> <pre>;(AddressUKAndCanada) U&K and Canadian postcodes AddressUKAndCanada=1</pre>
<p>Expand contractions check box:</p> <p>If enabled, Dragon expands spoken contractions such as “don’t” or “isn’t.”</p> <p>If disabled, Dragon transcribes contractions exactly as dictated.</p> <p>Default: Disabled</p>	<p>Formatting disabled:</p> <pre>;(Contraction) Expand &contractions</pre> <p>Formatting enabled:</p> <pre>;(Contraction) Expand &contractions Contraction=1</pre>
<p>Other numbers check box:</p> <p>If enabled, Dragon applies formatting to numbers, such as negative numbers, fractions, and decimals.</p> <p>If disabled, Dragon will transcribe numbers exactly as dictated.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(OtherNumber) Ot&her numbers</pre> <p>Formatting disabled:</p> <pre>;(OtherNumber) Ot&her numbers OtherNumber=0</pre>
<p>"million" instead of ",000,000" check box:</p> <p>If enabled, Dragon writes the word “million” instead of six zeros when users dictate round numbers in the millions.</p> <p>If disabled, Dragon writes 1,000,000.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(NumberHalfFormatted) "million" instead of ",000,000"</pre> <p>Formatting disabled:</p> <pre>;(NumberHalfFormatted) "million" instead of ",000,000" NumberHalfFormatted=0</pre>
<p>US Social Security Numbers check box:</p> <p>If enabled, Dragon formats sequences of nine numbers as a US Social Security Number.</p>	<p>Formatting disabled:</p> <pre>;(SocialSecurityNumbers) US &Social Security Numbers</pre>

Description and user interface equivalent	Option in ini file
<p>If disabled, Dragon does not insert hyphens into nine-digit numbers.</p> <p>Default: Disabled</p>	<p>Formatting enabled:</p> <pre>;(SocialSecurityNumbers) US &Social Security Numbers SocialSecurityNumbers=1</pre>
<p>Numbers, if greater than or equal to check box:</p> <p>If enabled, Dragon formats numbers as numerals when they are greater than or equal to the specified value (0, 2, 10, or 100).</p> <p>If disabled, Dragon does not format numbers as numerals.</p> <p>Default: 10</p>	<p>Use numerals over 10:</p> <pre>;(NumberRange)</pre> <p>All other settings:></p> <pre>;(NumberRange) NumberRange=<value></pre>
<p>Insert two spaces after period check box:</p> <p>If enabled, Dragon inserts two spaces at the end of sentences.</p> <p>If disabled, Dragon adds only one space.</p> <p>Default: Disabled</p>	<p>Single space after a period:</p> <pre>;(TwoSpacesAfterPeriod) &Insert two spaces after period</pre> <p>Two spaces after a period:</p> <pre>;(TwoSpacesAfterPeriod) &Insert two spaces after period TwoSpacesAfterPeriod=1</pre>
<p>Allow pauses in formatted phrases check box:</p> <p>If enabled, Dragon applies Auto-Formatting to numbers and phrases even when users pause while saying them.</p> <p>If disabled, automatic number and phrase formatting may not take effect if the user pauses.</p> <p>Default: Enabled</p>	<p>Formatting enabled:</p> <pre>;(CrossUtteranceFormatting) Allow pauses in fo&rmatted phrases</pre> <p>Formatting disabled:</p> <pre>;(CrossUtteranceFormatting) Allow pauses in fo&rmatted phrases CrossUtteranceFormatting=0</pre>

Options dialog

If you selected **Modify the application's settings for all user profiles** during your initial install, or used the `natspeak.exe /SetDefaultOptions` command to configure default client options, the [options.ini Options] section appears in your `nsdefaults.ini` file.

The exact settings you see may vary based on the tabs you visited while changing default settings.

For more information on Options dialog settings, see the Dragon help.

Correction settings

Option	Description and user interface equivalent
enx Select Brings Up Choicebox=0/1 Default: 1 (selected)	"Select" commands bring up Correction menu check box: If set to 1, the Correction menu appears when the user says "Select <text>" or "Select Again" in dictated text. If set to 0, the Correction menu does not appear.
Select XYZ Direction=4/8 Default: 4 (deselected)	"Select" commands search backwards check box: If set to 8, Dragon searches backward from the cursor for matching text when the user says "Select" commands. If set to 4, Dragon searches forward from the cursor.
enx Correct Brings Up Choicebox=0/1 Default: 0 (deselected)	"Correct" commands bring up Spelling Window check box: If set to 1, the Spelling window appears when the user says "Correct <text>" or "Correct That" in dictated text. If set to 0, the Spelling window does not appear.
Spell Brings Up Spell Dialog=0/1 Default: 0 (deselected)	"Spell" commands bring up Spelling Window check box: If set to 1, the Spelling window appears when the user says "Spell <letters>" or "Spell That <letters>" in dictated text. If set to 0, the Spelling window does not appear.
Automatically Add Words=0/1 Add Words on Correction=0/1 Default: 1,1 (selected)	Automatically add words to active vocabulary check box: If set to 1, Dragon adds corrected words to the active vocabulary automatically. If set to 0, users must add corrected words to Dragon's vocabulary manually using the Vocabulary Editor. <div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> Note: The values for these two options must match. </div>
Add Phrase To Voc From Spell Window=0/1	Setting is not relevant to Dragon.
Playback In Correction Dialog=0/1 Default: 0 (deselected)	Automatic playback on correction check box: If set to 1, Dragon plays back dictation automatically when the user corrects dictated text. If set to 0, Dragon does not play back dictation when users correct text.
Show Smart Format Rules=0/1	Show Smart Format Rules check box :

Option	Description and user interface equivalent
Default: 1 (selected)	If set to 1 and you have also implemented auto-formatting options, Dragon prompts users when they attempt to correct auto-formatted text. If set to 0, Dragon does not prompt users when they correct auto-formatted text.
Display Terse Caption In Choicebox=0/1 Display Commands In Choicebox=0/1 Display Choose With Choices=0/1 Default: 0,1,1 (deselected)	Show only the choices check box: If set to 0, 1 and 1, respectively (selected), only alternative words and phrases appear on the Correction menu. If set to 1, 0 and 0, respectively (deselected), Dragon displays command suggestions in addition to alternative words or phrases.
Pin Choicebox=0/1 Default: 0 (deselected)	Anchor check box: If set to 1, the Correction menu remains in its current location until the user manually drags it to a new location. If set to 0, the Correction menu floats around the window as the user selects text by voice.
Double Click for Correction=0/1 Default: 0 (deselected)	Enable double-click to correct check box: If set to 1, the Correction menu opens when the user double-clicks a word. If set to 0, the Correction menu does not open when the user double-clicks a word.
enx Max Items in Choicebox=<1-9> Default: 9	Show no more than <number> options number box: Determines the maximum number of choices that appear in the Correction menu.

Commands settings

Option	Description and user interface equivalent
Enable Mouse Motion Mode=0/1 Default: 1 (selected)	Enable mouse motion commands check box: If set to 1, enables mouse motion commands, such as "Move Mouse Left." If set to 0, mouse motion commands are disabled.
Mouse Movement=<1-25> Default: 2	Mouse movement speed numbers box in the Speed dialog box: Sets the speed of mouse movement when using mouse motion commands. Use a number between 1 (slowest) and 25 (fastest).
Enable IE Support=0/1	Enable HTML support check box:

Option	Description and user interface equivalent
<p>Default: 1 (selected)</p>	<p>If set to 1, allows Dragon to work with Internet Explorer and Chrome.</p> <p>If set to 0 and the Dragon Web Extension is installed, the user cannot select web page elements by voice or dictate directly in web page fields.</p>
<p>Enable IE Commands=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable commands in HTML windows check box:</p> <p>If set to 1, enables commands for use with Internet Explorer and Chrome.</p> <p>If set to 0, disables some Internet Explorer and Chrome commands, and voice commands in some Microsoft Outlook dialog boxes.</p>
<p>Enable HTML Custom API=0/1</p> <p>Default: 1</p>	<p>Not relevant to Dragon.</p>
<p>Click Command Required in IE=0/1</p> <p>Default: 1 (selected)</p>	<p>Require "Click" to select hyperlinks in HTML windows check box:</p> <p>If set to 1, Dragon requires users to say "Click <link text>" to click a link in web browsers. This option prevents Dragon from clicking links unintentionally during dictation.</p> <p>If set to 0, users can say the link text to click.</p>
<p>Click Command Required For Menus=0/1</p> <p>Default: 1 (selected)</p>	<p>Require "Click" to select menus check box:</p> <p>If set to 1, Dragon requires users to say "Click <menu>" to open a menu. This option prevents Dragon from clicking menus unintentionally during dictation.</p> <p>If set to 0, users can say the name of the menu to click.</p>
<p>Click Command Required For Controls=0/1</p> <p>Default: 1 (selected)</p>	<p>Require "Click" to select buttons and other controls:</p> <p>If set to 1, Dragon requires users to say "Click <control>" to click a button or other control. This option prevents Dragon from clicking menus unintentionally during dictation.</p> <p>If set to 0, users can say the name of a button or control to click.</p>
<p>Use Recognition Mode Commands=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable recognition mode switching commands check box:</p> <p>If set to 1, users can switch recognition modes by voice.</p> <p>If set to 0, users must switch recognition modes using the DragonBar.</p>
<p>Start Web Search=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Web search commands check box:</p> <p>If set to 1, enables Web searching commands based on natural speech. For example, "Search the web for weather in Seattle."</p>

Option	Description and user interface equivalent
	If set to 0, disables web searching commands.
<p>Start Desktop Search=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Desktop search commands check box:</p> <p>If set to 1, enables Desktop searching commands based on natural speech. For example, “Search Computer for time sheets.”</p> <p>If set to 0, disables Desktop searching commands.</p>
<p>Edit Intuitive Search</p> <p>Keywords=0/1</p> <p>Default: 1 (selected)</p>	<p>Display search text before performing search check box:</p> <p>If set to 1, Web and Desktop search commands appear in the Edit Search Keywords dialog box before Dragon performs the search. Use this option to edit the search terms or insert special characters.</p> <p>If set to 0, Dragon performs Web and Desktop searches without allowing the user to edit the search terms.</p>
<p>Start Email=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable email and Calendar commands check box:</p> <p>If set to 1, enables Microsoft Outlook commands based on natural speech. These commands allow users to create email, appointments, meetings, and tasks.</p> <p>If set to 0, disables the natural-language Email and Calendar commands.</p>
<p>Do Cut XYZ=0/1</p> <p>Default: 0 (deselected)</p>	<p>Enable Cut shortcut commands check box:</p> <p>If set to 1, enables the Cut shortcut command.</p> <p>If set to 0, the user must first select the text and then say “Cut That.”</p>
<p>Do Delete XYZ=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Delete shortcut commands check box:</p> <p>If set to 1, enables the Delete shortcut command.</p> <p>If set to 0, the user must first select the text and then say “Delete That.”</p>
<p>Do Delete From XYZ=0/1</p>	Setting is not relevant for Dragon.
<p>Do Copy XYZ=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Copy shortcut commands check box:</p> <p>If set to 1, enables the Copy shortcut command.</p> <p>If set to 0, the user must first select the text and then say “Copy That.”</p>
<p>Show disambiguation numbers=0/1</p> <p>Default: 1(selected)</p>	<p>Enable multiple text matches check box:</p> <p>If set to 1, enables Dragon to find multiple matches to text matching commands.</p> <p>If set to 0, Dragon finds only the matching text instance</p>

Option	Description and user interface equivalent
	closest to the cursor position.
Enable Starting Apps On StartMenu=0/1 Default: 1 (selected)	Enable launching from the Start menu check box: If set to 1, users can open applications on the Start menu by voice using direct commands, such as “Open Microsoft Word.” If set to 0, users must say the full Start menu path, such as “Click Start,” then “Click All Programs,” then “Click Microsoft Word.”
Enable Starting Apps On Desktop=0/1 Default: 1 (selected)	Enable launching from the desktop check box: If set to 1, users can launch applications, open folders, and shortcuts on the Desktop by voice using direct commands, such as “Open My Documents.” If set to 0, users cannot launch from the Desktop by voice.
Left Text Field Delimiter=[Right Text Field Delimiter=] Default: Left bracket ([) and Right bracket (])	Left variable delimiter and Right variable delimiter text boxes: Determines the delimiters used to indicate variable fields in Auto-Text commands. You can specify delimiters up to five characters long. You cannot specify the same value for each delimiter. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Note: If you change the default delimiters, Dragon uses the new delimiters for Auto-Text commands, but ignores variables in square brackets when you use the Accept Defaults and Clear Variable Delimiters commands.</p> </div>
Enable Automatically Select First Field=0/1 Default: 1 (selected)	Enable Automatically Select First Field check box: If set to 1, Dragon places the cursor in the first form field automatically when the user dictates in an application with form fields. If set to 0, the user must place the cursor manually.
More Commands	
Default: Selected	Enable Natural Language commands check box <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Note: This option is controlled by the two settings below.</p> </div>
enx Use Natural Language Commands=0/1 Default: 1	If set to 1, enables Natural Language Commands. This feature requires an additional 8 MB of memory. If set to 0, disables all Natural Language Commands.
Disable NLP support=0/1	If set to 0, enables application-specific Natural Language

Option	Description and user interface equivalent
<p>Default: 0</p>	<p>Commands.</p> <p>If set to 1, disables application-specific Natural Language Commands. Global Natural Language Commands remain enabled.</p>
<p>Enable NLP Word=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Microsoft Word commands check box</p> <p>If set to 1, enables Natural Language Commands in Microsoft Word.</p> <p>If set to 0, disables Natural Language Commands in Microsoft Word.</p>
<p>Enable NLP Excel=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Microsoft Excel commands check box:</p> <p>If set to 1, enables Natural Language Commands in Microsoft Excel.</p> <p>If set to 0, disables Natural Language Commands in Microsoft Excel.</p>
<p>Enable NLP PowerPoint=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Microsoft PowerPoint commands check box:</p> <p>If set to 1, enables Natural Language Commands in Microsoft PowerPoint.</p> <p>If set to 0, disables Natural Language Commands in Microsoft PowerPoint.</p>
<p>Enable NLP WordPerfect=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Corel WordPerfect commands check box:</p> <p>If set to 1, enables Natural Language Commands in Corel WordPerfect.</p> <p>If set to 0, disables Natural Language Commands in Corel WordPerfect.</p>
<p>Turn Off Facebook Commands=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Facebook post commands check box:</p> <p>If set to 1, enables posting directly to Facebook by voice.</p> <p>If set to 0, users must browse to Facebook in a Web browser to post.</p>
<p>Turn Off Twitter Commands=0/1</p> <p>Default: 1 (selected)</p>	<p>Enable Twitter post commands check box:</p> <p>If set to 1, enables posting directly to Twitter by voice.</p> <p>If set to 0, users must browse to Twitter in a Web browser to post.</p>

Appearance settings

Option	Description and user interface equivalent
<i>DragonBar</i>	
Modern DragonBar Auto	Auto-collapse check box:

Option	Description and user interface equivalent
<p>Collapse=0/1</p> <p>Default: 1 (selected)</p>	<p>If set to 1, the Modern DragonBar collapses when not in use.</p> <p>If set to 0, the Modern DragonBar remains expanded at all times.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: If DragonBar Mode is not set to 5, this setting is ignored.</p> </div>
<p>DragonBar Docked Mode=0/1</p> <p>Default: None</p>	<p>Applies to Dragon Professional Individual only.</p> <p>If set to 1, the Classic DragonBar is docked to the bottom of the screen.</p> <p>If set to 0, the Classic DragonBar is docked to the top of the screen.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: This setting is only used if DragonBar Mode is set to 0.</p> </div>
<p>DragonBar Shows Extras=0/1</p> <p>Default: 0 (deselected)</p>	<p>Applies to Dragon Professional Individual only.</p> <p>If set to 1, the Extras toolbar appears on the Classic DragonBar.</p> <p>If set to 0, the Extras toolbar does not appear.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: If DragonBar Mode is set to 5, this setting is ignored.</p> </div>
Results Box	
<p>Results Box Pinned=0/1</p> <p>Default: 0 (deselected)</p>	<p>Anchor check box:</p> <p>If set to 1, the Results box is locked in place until the user drags it to a new location.</p> <p>If set to 0, the Results box appears with the text as the user dictates.</p>
<p>Results Box Feedback Strategy=10/20</p> <p>Default: 20 (deselected)</p>	<p>Show preliminary results check box:</p> <p>If set to 10, preliminary and final results appear in a text box before dictation is transcribed in the document.</p> <p>If set to 20, only final results appear.</p>
<p>enx Beep On Phrase Finish=0/1</p> <p>Default: 0 (deselected)</p>	<p>Beep after recognition check box:</p> <p>If set to 1, Dragon beeps each time it recognizes a word or phrase.</p> <p>If set to 0, no sound occurs.</p>

Option	Description and user interface equivalent
<p>Note: This option is controlled by the three settings below.</p> <p>Default: Never hide</p>	<p>Auto-hide delay drop-down menu: Determines whether the Results box is shown, and if shown, how long it appears.</p>
<p>Results Box Disable=0/1 Default: 0</p>	<p>If set to 1, the Results box is never shown. Results Box Enable Auto Close and Results Box Auto Close Delay are ignored. If set to 0, the Results box is shown when Dragon is listening.</p>
<p>Results Box Enable Auto Close=0/1 Default: 0</p>	<p>If set to 0, the Results box is always visible when Dragon is listening. Results Box Auto Close Delay settings are ignored. If set to 1, the Results box auto-hides after a period of time specified in Results Box Auto Close Delay.</p>
<p>Results Box Auto Close Delay=<seconds> Default: 10</p>	<p>Determines the delay, in seconds, that Dragon waits before auto-hiding the Results Box.</p>

Hot keys settings

Note: Hot keys are noted in the format <JavaScript key code>, <modifier>. Modifier keys are noted as follows: No modifier=0; Shift=1; Alt=2; Ctrl=4

Option	Description and user interface equivalent
<p>Microphone Hot Key= <key>,<modifier></p>	<p>Microphone on/off key combination: Turns Dragon's microphone on and off. Default: 107, 0 {NumKey+}</p>
<p>Correction Hot Key= <key>,<modifier></p>	<p>Correction key combination: Opens the Correction menu.</p> <p>Note: You cannot open the Correction menu using a hot key when you are working in Web applications.</p> <p>Default: 109, 0 {NumKey-}</p>
<p>Command Only Hot Key= <key>,<modifier></p>	<p>Force command recognition key combination: Forces Dragon to recognize words as commands rather than dictation. Default: 0, 4 {Ctrl}</p>
<p>Dictation Only Hot Key= <key>,<modifier></p>	<p>Force dictation recognition key combination:</p>

Option	Description and user interface equivalent
Default: 0,1 {Shift}	Forces Dragon to recognize words as dictation rather than commands.
DragonBar Hot Key= <key>,<modifier> Default: 106,0 {NumKey*}	<p>DragonBar menu key combination: Opens the DragonBar Profile menu.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 10px 0;"> <p>Note: To use with the New DragonBar, the DragonBar must not be collapsed.</p> </div>
Sleep Hot Key=<key>,<modifier> Default: 111,64 {NumKey/}	<p>Microphone sleep/on key combination: Puts Dragon's microphone to sleep and wakes it up.</p>
Press-To-Talk Hot Key= <key>,<modifier> Default: 0,0 (none)	<p>Press-to-talk key combination: Allows you to talk to Dragon while you hold down the key. Dragon stops listening when you release the key.</p>
Dictation Box Hot Key= <key>,<modifier> Default: 68,5 {Ctrl+Shift+D}	<p>Dictation Box key combination: Opens the Dictation Box.</p>
Playback Hot Key= <key>,<modifier> Default: 109,1 {Shift+NumKey-}	<p>Playback key combination: Plays back dictation.</p>
Fast Playback Hot Key= <key>,<modifier> Default: 106,1 {Shift+NumKey*}	<p>Fast Playback key combination: Increases the playback speed.</p>
Select Next Variable Hot Key= <key>,<modifier> Default: 78,5 {Ctrl+Shift+N}	<p>Next Field key combination: Selects the next variable field (Voice field) in an Auto-text. For more information on Auto-text fields, see the Dragon help.</p>
enx Autopunctuation Hot Key= <key>,<modifier>	Setting is not relevant for Dragon.
Light Editor Hot Key= <key>,<modifier>	Setting is not relevant for Dragon.
Transfer Text Hot Key= <key>,<modifier>	Setting is not relevant for Dragon.
Hidden Mode Hot Key= <key>,<modifier>	Setting is not relevant for Dragon.

Playback/Text-to-speech settings

Option	Description and user interface equivalent
Playback Volume=<1-100> Default: 100	Playback volume number box: Sets the playback volume.
Playback Speed=<1-999> Default: 100	Playback speed number box: Sets the playback speed.
Fast-forward Volume=<1-100> Default: 100	Fast-forward volume number box: Sets the fast forward volume if Rewind/Fast-Forward sounds are enabled.
Fast-forward Speed=<1-999> Default: 150	Fast-forward number box: Sets the fast forward speed.
Rewind Volume=<1-100> Default: 100	Rewind volume number box: Sets the rewind volume if Rewind/Fast-Forward sounds are enabled.
Rewind Speed=<1-999> Default: 150	Rewind speed number box: Sets the rewind speed.
Monkey Cheater On=0/1 Default: 1 (selected)	Play Rewind/Fast-Forward sound check box: If set to 1, Dragon plays a sound when you fast forward or rewind a selection. If set to 0, Dragon does not play a sound.
<i>Text-to-speech attributes</i>	
[local.ini Options]	
TTS Volume=<0-255> Default: 255	Volume slider: Sets text-to-speech playback volume.
enx TTS Speed=<0-255> Default: 125	Speed slider: Sets text-to-speech playback speed.
enx TTS Mode Name=<Voice> Default: American English Samantha	Voice drop-down menu: Sets the voice used for text-to-speech playback.

Miscellaneous settings

Option	Description and user interface equivalent
DragonBar Launch Item=0/1 Default: 0 (deselected)	Launch DragonPad check box: If set to 0, DragonPad opens when Dragon starts. If set to 1, DragonPad opens only when you select it from

Option	Description and user interface equivalent
	the Tools menu.
Microphone on at startup=0 Default: 0 (deselected)	When the User Profile Opens Have the microphone on but asleep check box: If set to 1, the microphone is in Sleep mode when Dragon starts. If set to 0, the microphone is off when Dragon starts.
Use Screen Reader Compatible Menus=0/1 Default: 0 (deselected)	Use menus that are compatible with screen readers check box: If set to 1, allows a screen reader program to read menu items out loud to vision-impaired users. If set to 0, some screen readers may not read Dragon's menu items accurately.
enx Use Active Accessibility=0/1 Default: 1 (selected)	Voice-enable menus, buttons, and other controls, excluding check box: If set to 1, users can control user interface elements by voice. If set to 0, voice control of user interface elements is disabled for all applications. To turn off voice control in specific applications, use the drop-down menu or the Tracking Disabled App List setting.
Tracking Disabled App List={<applications>} Default: {} (no selection)	Voice-enable menus, buttons, and other controls, excluding drop-down menu: Disables voice control of user interface elements in specific applications.
User Specific Time Before Mic Sleep=<number> Default: 5	Put the microphone to sleep after <n> minutes of silence number box: Determines the number of minutes of silence after which Dragon puts the microphone into Sleep mode. Specify a value between 5 and 120 minutes. <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: Nuance does not recommend a value greater than 10, as Dragon can misrecognize ambient noise as speech.</p> </div>
AlertWhenSignalQualityIsPoor=0/1 Default: 1 (selected)	Alert when audio quality is low check box: If set to 1, Dragon warns users when dictation audio quality is low. If set to 0, Dragon suppresses audio quality alerts.
Use Dictation Box=0/1	User Dictation Box for unsupported applications

Option	Description and user interface equivalent
<p>Default: 1 (selected)</p>	<p>check box:</p> <p>If set to 1, Dragon’s Dictation Box appears automatically when you dictate in a text field where Full Text Control is unavailable (PowerPoint or Google Docs, for instance.)</p> <p>If set to 0, the Dictation Box does not automatically appear.</p>
<p>Alert On Compatibility Module Disconnection=0/1</p>	<p>Alert in case of disconnections of target applications check box:</p> <p>If set to 1, a warning appears when a Dragon compatibility module for a supported application becomes disabled. Compatibility modules enable Full Text Control.</p> <p>If set to 0, no warning appears.</p> <p>Default: 1 (selected)</p>
<p>Use Light Editor=0/1</p>	<p>Setting does not apply to Dragon.</p>
<p>Sample commands launch on open=0/1</p>	<p>Setting does not apply to Dragon.</p>

Data settings

Option	Description and user interface equivalent
<p>Save Correction To Archive=0/1</p> <p>Default: 1 (selected)</p>	<p>Store corrections in archive check box:</p> <p>If set to 1, stores corrections for use by Dragon’s Acoustic and Language Model Optimizer.</p> <p>If set to 0, Dragon displays a message that there is not enough data to continue when optimization runs.</p>
<p>AO Archive Time Limit=<number></p> <p>Default: 3360000 milliseconds maximum</p>	<p>Archive Size slider in the Archive Size dialog box:</p> <p>Sets the acoustic data archive size in milliseconds.</p> <p>Dragon requires approximately 80 MB of disk space for 30 minutes of acoustic data.</p>
<p>Collect Dictation Data=0/1</p> <p>Default: 1 (deselected)</p>	<p>Conserve disk space required by user profile check box:</p> <p>If set to 1, Dragon maintains a standard-sized set of user profiles.</p> <p>If set to 0, Dragon maintains a smaller set of user profiles to allow you to move them to other computers more efficiently.</p>
<p>Save Speech With Document=0/1/2</p> <p>Default: 2 (Always)</p>	<p>Save recorded dictation with document drop-down:</p> <p>Determines whether dictation audio (.DRA files) is saved when the user saves a dictated document. The options are:</p> <ul style="list-style-type: none"> • 0=Never

Option	Description and user interface equivalent
	<ul style="list-style-type: none"> • 1=Ask me • 2=Always
Backup Frequency=<number> Default: 5	<p>Automatically back up user profile every <number> saves number box check box:</p> <p>Determines how often Dragon backs up user profiles when the user saves them.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: This option is ignored if you set Disable Back Up User Profiles=1.</p> </div>
Disable Back Up User Profiles=0/1 Default: 0 (deselected)	<p>Don't back up user profile check box:</p> <p>If set to 1, Dragon does not back up user profiles.</p> <p>If set to 0, Dragon backs up user profiles using the Backup Frequency=<number> setting above.</p>
V6 Additional Training=0/1	Setting does not apply to Dragon.
Advanced dialog box	
Do Usability Logging=0/1 Default: 0 (deselected)	<p>Create usability log check box:</p> <p>If set to 1, Dragon logs all menu commands, toolbar buttons, and voice commands used during a dictation session.</p> <p>If set to 0, Dragon does not create a usability log.</p> <p>If you call Nuance technical support, you may be asked to create a usability log.</p>

PowerMic settings

Option	Description and user interface equivalent
Enable PM III Touchpad=0/1 Default: 1	<p>Enable touchpad swipe check box:</p> <p>If set to 1, users can move the cursor by swiping the PowerMic Touchpad button.</p> <p>If set to 0, the PowerMic Touchpad is disabled.</p>

PowerMic buttons

PowerMic button functions are noted in the format:

18 <Context code> <Button code>=<Action code>

For example, to set the **Play/Stop** button to control Playback in the Dictation Box, enter:

18 4 3=9

See the following table below for the codes for each button and context:

Button		Global context		Dictation Box context	
		Code	Default	Code	Default
Transcribe		1 6	8 (Show dictation box)	4 6	23 (Transfer text)
Tab Backward		1 7	37 (Tab backward)	4 7	37 (Tab backward)
Tab Forward		1 8	17 (Tab forward)	4 8	17 (Tab forward)
Dictate		1 1	7 (Press-to-talk)	4 1	7 (Press-to-talk)
Rewind		1 2	29 (Previous field)	4 2	29 (Previous field)
Fast Forward		1 4	30 (Next field)	4 4	30 (Next field)
Stop/Play		1 3	33 (Accept defaults)	4 3	33 (Accept defaults)
Custom Left		1 9	3 (Force command recognition)	4 9	19 (Press cancel button)
Enter/Select		1 10	23 (None)	4 10	24 (None)
Custom Right		1 11	4 (Force dictation recognition)	4 11	4 (Force dictation recognition)
Mouse Left/Touchpad		1 16	38 (Left click)	4 16	38 (Left click)

Button		Global context		Dictation Box context	
		Code	Default	Code	Default
Mouse Right		1 17	39 (Right click)	4 17	39 (Right click)
Trigger (underneath)		1 18	38 (Left click)	4 18	38 (Left click)
Enable touchpad swipe		1 19	0 (Enabled)	4 19	0 (Enabled)

Consult the table below for available actions to be triggered by the PowerMic buttons.

Action	Code number	Action	Code number
None	0	Next field	30
Show DragonBar menu	5	Accept defaults	33
Show Dictation box	8	Tab backwards	37
Microphone on/off	1	Force normal recognition	14
Show correction window	2	Force dictation recognition	4
Microphone sleep/on	6	Force command recognition	3
Press-to-talk	7	Force numbers recognition	15
Train new word	12	Force spell recognition	13
Transcribe recording	16	Cancel recognition	51
Transfer text	23	Playback	9
Skip backward	21	Fast Playback	10
Skip forward	20	Fast forward	31
Press OK button	18	Rewind	32
Press cancel button	19	User Commands	22*
Tab forward	17	Left click	38
Previous field	29	Right click	39

* To configure PowerMic buttons to execute custom commands, set the Action code to 22 in the [options.ini PowerMic Buttons NMS] section, then enter the name of the command with the corresponding button under [options.ini PowerMic User Commands NMS].

For example, to set the **Custom Right** button to execute a custom command called MyCommand, enter the following:

```
[options.ini PowerMic Buttons NMS]
18 1 11=22
...
[options.ini PowerMic User Commands NMS]
18 1 11=MyCommand
```

Administrative Settings dialog

If you selected **Modify the administrative settings** during your initial install, or used the `natspeak.exe /SetDefaultAdministrativeOptions` command to configure default client options, the `[nssystem.ini Settings]` section appears in your `nsdefaults.ini` file.

For more information about Administrative Settings dialog settings, see the Dragon help.

Note: Many of the settings below are not available when Nuance Management Center/NMC mode is enabled in the Dragon client. Nuance Management Center administrators can control these settings in the NMC console.

Miscellaneous settings

Option	Description and user interface equivalent
Default Backup Location for User Profiles=<full path> Default: Blank	Backup location for user profiles field: Sets the location where Dragon stores customized words and commands.
Custom Directory=<full path> (Stand-Alone mode only) Default: C:\ProgramData\Nuance\NaturallySpeaking15\custom	Data Distribution location field: Sets the location where Dragon stores customized words and commands.
Disable command changes for restricted users=0/1 Default: 0 (deselected)	Do not allow restricted users to add or modify commands check box: If set to 1, restricted Windows users cannot add or modify Dragon commands. Restricted users can, however, delete, import, and export commands using the Command Browser. If set to 0, all Windows users can add and modify Dragon commands.
Global MyCommands MacroRecorder=0/1 (Stand-Alone only) Default: 1 (deselected)	Disable use of Macro Recorder commands check box: If set to 1, users cannot create or edit macro recorder commands. Users can

Option	Description and user interface equivalent
	<p>still run the commands, however.</p> <p>If set to 0, users can create and edit macro recorder custom commands.</p>
<p>Global MyCommands StepByStep Scripting=0/1 (Stand-Alone only) Default: 1 (deselected)</p>	<p>Disable use of Step-by-Step commands check box:</p> <p>If set to 1, users cannot create or edit step-by-step custom commands. Users can still run the commands, however.</p> <p>If set to 0, users can create and edit step-by-step commands.</p>
<p>Global MyCommands VBA Scripting=0/1 (Stand-Alone only) Default: 1 (deselected)</p>	<p>Disable use of Advanced Scripting commands check box:</p> <p>If set to 1, users cannot create or edit scripting custom commands. Users can still run the commands, however.</p> <p>If set to 0, users can create and edit scripting commands.</p>
<p>Disable vocabulary changes for restricted users=0/1 (Stand-Alone only) Default: 0 (deselected)</p>	<p>Do not allow restricted users to modify vocabularies check box:</p> <p>If set to 1, restricted Windows users cannot modify vocabularies.</p> <p>If set to 0, all Windows users can modify vocabularies.</p>
<p>Global Enable Pause Results=0/1 (Stand-Alone only) Default: 0 (deselected)</p>	<p>Record wave data between utterances check box:</p> <p>If set to 1, Dragon saves all audio during dictation, including pauses, background noises, and coughing.</p> <p>If set to 0, Dragon deletes audio that does not contain speech.</p>
<p>No Dictation=0/1 Default: 0 (deselected)</p>	<p>Correction Only Mode check box:</p> <p>If set to 1, Correction Only mode is available. This allows a user to log into another user's profile to edit their dictated document using the Playback feature. Dictation is disabled in Correction Only mode.</p> <p>If set to 0, Correction Only mode is disabled.</p>

Option	Description and user interface equivalent
	<div style="border: 1px solid black; padding: 5px;"> <p>Note: You must disable Correction Only mode to run the Acoustic and Language Model Optimizer.</p> </div>
<p>enx ACO uses Auto Accent AM selection=0/1 (Stand-Alone only) Default: 1 (deselected)</p>	<p>Disable automatic acoustic model selection in Acoustic Optimizer check box:</p> <p>If set to 1, Acoustic Optimization cannot automatically select an acoustic model that more closely matches the user's accent.</p> <p>If set to 0, Acoustic Optimization selects a different acoustic model automatically if necessary.</p>

Scheduled Tasks tab

Option	Description and user interface equivalent
<p>Data Collector Batch Mode=0/1 (Stand-Alone only) Default: 1 (selected)</p>	<p>Enable scheduled Data Collection check box:</p> <p>If set to 1, enables Data Collection, which allows Dragon to collect up to 500 MB of data and text from your dictation sessions.</p> <p>If set to 0, disables Data Collection.</p>
<p>Allow Users to Optimize=0/1 Default: 1 (selected)</p>	<p>Enable scheduled Accuracy Tuning check box:</p> <p>If set to 1, enables Accuracy Tuning.</p> <p>If set to 0, disables Accuracy Tuning.</p>

Roaming tab settings

The settings below were created when you configured Roaming (see [“Initial installation” on page 24](#)). If you chose to store your Master Roaming user profiles on a Web server, the HTTP or SSL settings are saved in the encrypted roamingdef.ini file and cannot be edited directly.

Note: When Nuance Management Center/NMS mode is enabled, you configure the Roaming feature in the NMC console.

Options	Description and user interface equivalent
<p>Roaming User On=0/1 Default: 0 (deselected)</p>	<p>Enable check box:</p> <p>If set to 1, the Roaming feature is enabled.</p> <p>If set to 0, the Roaming feature is disabled; all user profiles are stored locally.</p>

Options	Description and user interface equivalent
Roaming User Initialized=1	
Roaming User Display Name= <i><Display name></i> Default: None	Display Name field in the Roaming User Network Location dialog box: Sets the name used to identify the Master Roaming user profile directory.
Roaming User Master Directory= <i>"<network directory>"</i> Default: None	Address field in the Roaming User Network Location dialog box: Sets the location of the Master Roaming user profile.
Roaming User Partial Path= <i><directory></i>	
Roaming User Local Cache Directory= <i>"<directory>"</i> Default: None	Local directory (for cache) field: Sets the location of the locally cached Roaming user data. Example: C:\ProgramData\Nuance\NaturallySpeaking15\RoamingUsers
User Base Directory RU= <i>"<directory>"</i> Default: None	Sets the location of the local Roaming user profiles. Dragon creates this folder within the local cache directory above. Example: C:\ProgramData\Nuance\NaturallySpeaking15\RoamingUsers\ <i><User Name></i> If Roaming is disabled, the User Base Directory RU is the same as the User Base Directory (below).
User Base Directory= <i>"<directory>"</i> Default: C:\ProgramData\Nuance\NaturallySpeaking15\Users\	Sets the directory where non-roaming user profiles are stored. If Roaming User Restrict Local User Access is set to 1 (default), Dragon users cannot access user profiles in this directory when Roaming is enabled.
Roaming User Copy Dragon Log= 0/1 Default: 0 (deselected)	Copy Dragon Log to Network check box: If set to 1, Dragon copies the Dragon.log file from the local workstation to the Master Roaming user profile location when synchronizing the local and Master Roaming user profiles. Dragon does not copy the Dragon.log file when the maximum size is reached in the Disk space reserved for network archive option. If set to 0, the Dragon.log file does not synchronize to the Master Roaming user profile location. <div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block;"> Note: Selecting this option can increase the time it </div>

Options	Description and user interface equivalent
	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: auto;"> <p>takes to close a roaming user profile.</p> </div>
<p>Roaming User Save Acoustics=0/1 Default: 1 (selected)</p>	<p>Save acoustic information check box:</p> <p>If set to 1, Dragon saves acoustic information with local user profiles. Saving the acoustic information ensures that user corrections are available after the user closes and re-opens the user profile.</p> <p>If set to 0, Dragon does not save acoustic information with the local user profile.</p>
<p>Roaming User Prompt Before Saving=0/1 Default: 0 (deselected)</p>	<p>Prompt before saving to network location check box:</p> <p>If set to 1, Dragon displays a dialog box allowing users to choose where to save user profiles. Dragon displays the dialog box when users attempt to close Dragon, close a user profile, or shut down the operating system.</p> <p>If set to 0, Dragon saves user profiles to a network location without prompting the user.</p>
<p>Roaming User Do Not Copy Dra Files=0/1 Default: 0 (deselected)</p>	<p>Conserve archive size on network check box:</p> <p>If set to 1, Dragon does not copy .dra acoustic data files to the Master Roaming user profile location when synchronizing the local and Master Roaming user profiles.</p> <p>If set to 0, Dragon synchronizes .dra files to the Master Roaming user profile location, making them available to the Acoustic and Language Model Optimizer.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: Dragon does not copy .dra files when the maximum size is reached in the Disk space reserved for network archive option (below).</p> </div>
<p>Roaming User Max Container Size=<archive size> Default: 1000 MB per dictation source</p>	<p>Disk space reserved for network archive check box:</p> <p>Specifies the maximum size, in megabytes, of the network directory containing the acoustic data available to the Acoustic Optimizer.</p>
<p>Open User Large Collection=0/1 Default: 1 (deselected)</p>	<p>Display Classic Open User Profiles dialog check box:</p> <p>If set to 0, Dragon uses the classic Open User Profile dialog box. The dialog box displays only folders that contain Dragon user profiles.</p> <p>If set to 1, Dragon uses the new Open User Profiles dialog box.</p>
<p>Roaming User Restrict Local User Access=0/1</p>	<p>Allow non-Roaming user profiles to be opened check box:</p>

Options	Description and user interface equivalent
<p>Default: 1 (selected)</p>	<p>If set to 0, users can open Roaming or non-Roaming user profiles when the Roaming feature is active.</p> <p>If set to 1, users can only access Roaming user profiles.</p>
<p>Roaming User Incorporate Voc Delta=0/1</p> <p>Default: 1 (selected)</p>	<p>Merge contents of vocdelta.voc into network user profile when file is full check box:</p> <p>If set to 1, Dragon incorporates the contents of the local vocdelta.voc file into the Master Roaming user profiles when the vocdelta.voc file reaches 90% of its maximum size (1 GB). After incorporating the contents of the file into the Master Roaming user profile, Dragon clears that data from the local user profile.</p> <p>If the data is being incorporated when you open a Roaming user profile, the process can be time consuming.</p> <p>If set to 0, Dragon does not merge the contents of the vocdelta.voc file.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <p>Note: Dragon does not display a message when the vocdelta.voc file reaches 90% of its maximum size.</p> </div>
<p>Roaming User Limited Network Traffic=0/1</p> <p>Default: 0 (deselected)</p>	<p>Access network at user profile open/close only check box:</p> <p>If set to 1, Dragon synchronizes the Master and local Roaming user profiles only when a user opens or closes the profile. This includes the changes a user makes locally from the Options dialog box.</p> <p>If set to 0, Dragon synchronizes changes to Roaming user profiles immediately.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <p>Note: Excessive network slowdowns can be alleviated by checking this option because it limits multiple synchronizations of local and Master Roaming user profiles.</p> </div>
<p>Roaming User Always Break Lock=0/1</p> <p>Default: 0 (selected)</p>	<p>Ask before breaking locks on network user profiles (recommended) check box:</p> <p>If set to 0, Dragon warns users if they attempt to open a Roaming user profile that is already in use. The prompt states that the user profile is locked and offers the option to unlock the profile.</p> <p>Network problems can cause a lock to become “stuck” and not release.</p> <p>If set to 1, Dragon breaks the lock automatically without</p>

Options	Description and user interface equivalent
	producing a prompt.
Roaming ASW Override=0/1 ASW Override=0/1 Default: 0 (deselected)	Set audio levels on each machine check box: If set to 0, Dragon runs a Volume and Quality Check on the microphone each time a user opens a Roaming user profile. If set to 1, Dragon skips the microphone check. ASW Override and Roaming ASW Override should always have the same setting.

NMS Settings

For information on installing and configuring the NMC server, see the *Nuance Management Center Server Installation and Configuration Guide*.

Option	Description and user interface equivalent
Connect To NMS=0/1 Default: 0 (deselected)	Enable NMS check box: If set to 1, enables Nuance Management Center/NMS mode. If set to 0, disables Nuance Management Center/NMS mode. Dragon is in Standalone mode.
Default NAS Address= <full NMC address> Default: None	Server field: Directs the Dragon client to the NMC cloud server or your on-premise server.
NAS Login As Windows User=0/1 Default: 0 (Provide a login name and password)	Login Options radio buttons: If set to 1, users log in to the Dragon client using their Windows single sign-on credentials. If set to 0, users log in to the Dragon client with a user name and password created by an administrator in the NMC console.

Appendix B: Options for MSI installations

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MSI properties for Dragon installations

This section describes the `msiexec.exe` properties that apply to Dragon. For information on Windows Installer-defined properties, see the Microsoft Dev Center for Windows Installer: <https://msdn.microsoft.com/en-us/library/windows/desktop/aa370905.aspx>.

Syntax

- To install using `msiexec.exe`, use the syntax:


```
msiexec.exe /i "Dragon 15.msi" <PROPERTY>=<VALUE>
```
- To install using `setup.exe`, put all `msiexec.exe` properties in quotation marks after the `/v` option:


```
setup.exe /v"<PROPERTY>=<VALUE>"
```
- You do not need to preface Dragon command line options by hyphens or slashes.
- Unless otherwise noted, all property values are in UPPERCASE.

Note: If you use the `/qn` switch, no dialogs display during installation, even if you set them to display in the command line.

Options	Description
SERIALNUMBER=<serial_number> Required	Specify a valid serial number. A serial number is required for all installations. <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;"> <p>Note: Specifying a serial number on the command line does not bypass the serial number checking during setup.</p> </div>
DEFAULTSINI="<full_path>\nsdefaults.ini" Optional	Indicates the default settings file (<code>nsdefaults.ini</code>) that you created when configuring the installer (see " Natspeak.exe Command Line options " on page 25). The Dragon installer uses this file to change the default settings for all users.
ROAMINGUSERINI="<full_path>\roamingdef.ini" Optional	Indicates a default settings file (<code>roamingdef.ini</code>) used to configure Roaming network settings.
SETDEFAULTS=0/1 Optional	Sets the default state of the Modify the application's settings for all users check box in the Advanced dialog of the Installer. 0: Deselected. The Options dialog box does not appear during installation. 1: (Default) Selected. The Options dialog box appears during installation.
SETADMINS=0/1 Optional	Sets the default state of the Modify the administrative settings check box in the Advanced dialog of the Installer. 0: Deselected. The Administrative Settings dialog box does not appear during installation.

Options	Description
	1: (Default) Selected. The Administrative Settings dialog box appears during installation.
SETFORMATTINGS=0/1 Optional	Sets the default state of the Modify the formatting options for all users check box in the Advanced dialog of the Installer. 0: Deselected. The Auto-Formatting dialog box does not appear during installation. 1: Selected. The Auto-Formatting dialog box appears during installation.
PERIODIC_ TASK=<tasks>;<admin>; <password>;<Day>, <hh:mm> Optional	Configures the Acoustic Model Optimizer, Language Model Optimizer and (Stand-Alone only) Data Collection tasks in the Scheduled Tasks tab of the Administrative Settings dialog. For more information, see “MSI options for scheduled tasks” on page 73 .
REGION=<region> Optional: If omitted, Dragon installs the default regions: All for English-language installations, or None for non-English installations.	Set the REGION to include with your installation. The available English-language regions are: <ul style="list-style-type: none"> • United States (UnitedStates or US) • Canada (Canada) • United Kingdom (UnitedKingdom or UK) • Australia/New Zealand (Australia or NewZealand) • Indian subcontinent (IndianSubcontinent or Indian) • Southeast Asia (SoutheastAsia or Asia) To install all English-language regions, set REGION=All. Set REGION=NoEnglish or REGION=None if you do not need to install any English-language regions.
REMOVEOLDPROD=1	Set REMOVEOLDPROD to 1 to remove the old version of the product before installing the new version. You should only use this option for major upgrades.
NAS_ADDRESS="<Production server URL>" (NMC Installations only)	Indicates the NMC server address that the Dragon client connects to when the user logs in. You should have received this address in your welcome email.
NAS_WINDOWS_LOGIN=0/1 (NMC Installations only)	Sets the Login Options radio button state in the NMC tab of the Administrative Settings dialog. <div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin: 10px 0;"> <p>Note: Before you enable Active Directory single sign-on, you must make additional configuration changes. For more information, see the <i>Nuance Management Center Server Installation and Configuration Guide</i>.</p> </div> 0: (default) Disables Active Directory single sign-on; sets radio button to Provide a login name and password . 1: Enables Active Directory single sign-on; sets radio button to Use Windows single sign-on .

Sample command lines

msiexec.exe command line

```
msiexec.exe /i "Dragon 15.msi"  
SERIALNUMBER=<serial_number>  
DEFAULTSINI="C:\<full_path>\nsdefaults.ini"  
INSTALLDIR="C:\Program Files\Nuance\NaturallySpeaking15"  
PRODUCTUPDATEFLAG=1 REBOOT=ReallySuppress  
PERIODIC_TASK="aco|lmo;admin;pswd;Mon, 01:00|Mon, 06:00"  
ADDLOCAL=TTSENX,NatSpeak,ENUGeneral  
/L*v "C:\Logs\logfile.log" /qn
```

setup.exe command line

```
setup.exe /s /v"SERIALNUMBER=<serial_number>  
DEFAULTSINI="C:\<full_path>\nsdefaults.ini"  
INSTALLDIR="C:\Program Files\Nuance\NaturallySpeaking15\  
PRODUCTUPDATEFLAG=-1 REBOOT=ReallySuppress  
PERIODIC_TASK="aco|lmo;admin;pswd;Mon, 01:00|Mon, 06:00"  
ADDLOCAL=TTSENX,NatSpeak,ENUGeneral  
/L*v C:\Logs\logfile.log /qn"
```

Feature variables to set through the ADDLOCAL or ADVERTISE properties

You can specify any of the features in the table below using ADDLOCAL and ADVERTISE properties on the command line. For example:

```
ADDLOCAL=NatSpeak, TTSENU, ENU
```

When specifying features on the command line:

- If a feature does not exist in a particular edition or language, overriding its default property has no effect.
- Some features (such as Text-to-Speech) have sub-features. Setting these features on the command line automatically turns on the properties of all sub-features, unless you specify an additional override for those sub-features.

Feature	Sub-features
NatSpeak <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content;"> <p>Note: Required in ADDLOCAL; if not included, the installation will fail.</p> </div>	None
Samples (Sample Commands file)	None
TTS (Text-to-Speech)	<ul style="list-style-type: none"> • TTSENU (US English Text-to-Speech) • TTSENG (British English Text-to-Speech) • TTSDEU (German Text-to-Speech) • TTSESP (Spanish Text-to-Speech) • TTSFRA (French Text-to-Speech) • TTSITA (Italian Text-to-Speech) • TTSNLD (Dutch Text-to-Speech)
Tutorial (iTutorial)	None

Speech options

You can also add or advertise the following datapacks. Each includes all sub-features, including vocabularies and accents:

- ENU (US English)
- ENC (Canadian English)
- ENG (UK English)
- AUS (Australia/New Zealand English)
- IND (Indian Subcontinent English)
- SEA (Southeast Asia English)
- DEU (German)
- ITA (Italian)
- NLD (Dutch)
- FRA (French)
- ESP (Spanish)

MSI options for scheduled tasks

Note: Take the following actions on the client computer. Do not perform them on the computer where you performed the initial installation and configured default option settings.

You can include an additional option on the command line to run one or more of the following tasks on a particular schedule:

- **Acoustic model optimization (ACO)**—This task optimizes the acoustic models used to interpret the user's speech. You can set a particular date and time for this optimization to occur. When a speaker is new to Dragon, you might want to run the optimization more often.
- **Language model optimization (LMO)**—This task optimizes the language model (vocabulary files) used to help recognize words that the user speaks. The model incorporates data from the user's speech into the language model he or she is using, customizing the model for that user profile.
- **Data collection (DC)** — This task automatically collects data that helps improve Dragon's ability to recognize speech. You can choose to allow this data to be sent back to Nuance over the Internet on a particular schedule, or choose not to send the data. This process does not collect your personal information. Data collection is available in non-US English versions of Dragon.

Note: When Nuance Management Center/NMS mode is enabled, you cannot schedule Data Collection tasks on the Dragon client. NMC administrators can schedule Data Collection in the NMC console. For more information, see the *Nuance Management Center Administrator Guide*.

You can schedule the above tasks and turn them on or off by passing an option called PERIODIC_TASK to the MSI installer.

First, set PERIODIC_TASK to a string containing short acronyms for the types of tasks, separated by vertical bars: `aco | lmo | dc`

If you do not pass the acronym for a feature, that feature is set to its default.

Next, the string for PERIODIC_TASK should include the administrator login and password, followed by the schedule for each task, in the order that they occur in the string, separated by vertical bars.

- Enter the day(s) of the week for each task using three-letter abbreviations (Mon, Tue, etc.).
- Enter the hour using a 24-hour clock in the format `hh:mm` (05:00, 18:30, etc.).

For example, the string below sets the schedule for Acoustic Model Optimization to Mondays at 1 AM and the Language Model Optimization to Mondays at 6 AM:

```
PERIODIC_TASK="aco|lmo;admin;pswd;Mon, 01:00|Mon, 06:00"
```

The task runs once a week on the day and time indicated. If you omit the Day, the task runs every day at the time given. Because no schedule is specified for Data Collection, the default schedule will be used (Stand-Alone only).

Default Schedules

- Acoustic model optimization (ACO)—Every day, 3 AM
- Language model optimization (LMO)—Every day, 2 AM

Extracting MSI/MST files from the Dragon setup.exe

Some minor releases of Dragon do not include an MSI file. Instead, the file is part of the setup.exe file. You can run silent installations from the command line with msiexec.exe or setup.exe—you don't need to extract the .msi and .mst files. Use the following information if you are comfortable using .msi installers.

The following sample command line extracts the Dragon 15.msi file and the .mst files used for installing Dragon:

```
setup.exe /a /s /v"EXTRACTFILES=c:\temp\MSIfiles /qn"
```

Appendix C: Using Dragon over a remote desktop connection

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Remote desktop connection support

To transmit audio from the client computer to a server running Dragon through a Remote Desktop Connection, you must:

- Enable the audio recording option on the remote client software.
- Enable the audio recording redirection policy on the server.

To use the PowerMic over the RDC connection, install the PowerMic Button Control application to enable button support.

System Requirements for using Dragon through a remote desktop connection

- **Server Operating System:**
 - Windows Server 2012 R2
 - Windows Server 2008 R2
 - Windows 10 Professional, Enterprise and Education
 - Windows 8 Professional and Enterprise
 - Windows 7 Ultimate and Enterprise

Note: Windows Server 2008 R2 and Windows Server 2012 R2 support multiple client connections at the same time. Windows 7 Ultimate and Enterprise, Windows 8 Professional and Enterprise or Windows 10 Professional, Enterprise and Education supports only a single client connection at one time.

- **Server Hardware:** To support 6 concurrent users connecting to Dragon on a server, the minimum requirements are:
 - **Cache:** 1 MB L2 cache per CPU
 - **CPU:** 3.x Ghz
 - **Disk space:** 5 GB
 - **Processor:** Multi-core processor with 4 cores
 - **RAM:** 16 GB RAM
- **Client Operating System:** The following operating systems support Remote Desktop Connection:
 - Windows 10, 32-bit and 64-bit
 - Windows 8.x, 32-bit and 64-bit
 - Windows 7, 32-bit and 64-bit
- **Client Hardware:**
 - **Disk space:**
 - 2 MB for the Remote Desktop Client (from Microsoft)
 - 8 MB for the Dragon client
 - 1 GB free hard disk space
- **Microphone:**
 - **USB microphone:** including the PowerMic
 - **Other microphone:** Microphone plugged into Mic-In jack
 - **Headset:** Any Nuance-approved headset. Visit <http://support.nuance.com/compatibility/> to view the Hardware Compatibility List.
 - **Bluetooth:** Plantronics Calisto Bluetooth Headset
- **Software:** Remote Desktop Connection 6.1 (RDP 6.1) or higher. The RDP 7 download is available at <http://support.microsoft.com/kb/969084> and works for all operating systems.

- **Network:**

- 100 Mbps connection speed
- Network bandwidth required per active user is 1.3 Mbps

Configuring the Windows server

Install Dragon on a supported server operating system. For information on installing Dragon, see [“Initial installation” on page 24](#).

When you have installed Dragon, do the following for your server:

- **Windows Server 2008 R2**—See [“Configuring Windows Server 2008 R2” on page 79](#).
- **Windows Server 2012 R2**—See [“Configuring Windows Server 2012 R2” on page 78](#).
- **Windows 7 Ultimate and Enterprise, Windows 8 Professional and Enterprise or Windows 10 Professional, Enterprise and Education**—See [“Configuring other server operating systems” on page 81](#).

Configuring Windows Server 2012 R2

Install and configure the Remote Desktop Services role

1. Open Remote Desktop Connection to the server, or go directly to the server console.
2. From the Start menu, open the Server Manager.
3. On the Dashboard, click **Add roles and features**.
The Add Roles and Features wizard appears.
4. On the Before You Begin page, click **Next**.
The Select installation type screen appears.
5. Select **Role-based or feature-based installation**, and then click **Next**.
The Select destination server screen appears.
6. Choose **Select a server from the server pool**, select the server, and then click **Next**.
The Select Server Roles screen appears.
7. Select **Remote Desktop Services** from the **Roles** list, and then click **Next**.
The Select features screen appears.
8. On the Features list, browse to **Remote Server Administration Tools>Role Administration Tools>Remote Desktop Services Tools**.
9. Select **Remote Desktop Licensing Tools**, and then click **Next**.
The Remote Desktop Services screen appears.
10. Click **Next**.
The Select role services screen appears.
11. Select **Remote Desktop Session Host**, and then click **Next**.
A pop-up window appears.
12. Click **Add Features**.
The pop-up window closes.
13. Click **Next**.
The Confirm installation selections screen appears.
14. Select **Restart the destination server automatically if required**.
15. Confirm your selections, and then click **Install**.

16. If a dialog box appears asking you to allow automatic restarts, click **Yes**.
The Installation Progress screen displays the status of the installation.
17. When the installation is complete, verify that the installation was successful.
18. Click **Close**.
19. Restart the computer, even if the server was not restarted automatically.

Configure the local group policy on the server

1. On the server, open a command prompt and run `gpedit.msc`.
2. Navigate to **Computer Configuration>Administrative Templates>Windows Components>Remote Desktop Services>Remote Desktop Session Host>Device and resource redirection**.
3. Enable the **Allow audio and video playback redirection** option:
 1. Right-click the **Allow audio and video playback redirection** screen.
 2. Select **Edit**.
4. Select **Enabled**, and then click **OK**.
5. On the client computer, launch the registry editor:
 1. Go to **Start > Run....**
 2. In the Run line, type **regedit**.
 3. Click **OK**.
6. Set the following registry setting to 0:
`HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server-\WinStations\RDP-Tcp\DisableAudioCapture REG_DWORD0x00000000`

Allow connections from client computers

1. On the server, open the Control Panel.
2. Navigate to **System and Security>System**.
3. Select the **Remote settings>Remote** tab.
4. Choose your preferred configuration to allow remote connections.
5. Click **OK**.
6. Proceed to [“Configuring the Dragon clients” on page 82](#).

Configuring Windows Server 2008 R2

Install and configure the Remote Desktop Services role

1. Open Remote Desktop Connection to the server, or go directly to the server console.
2. Go to **Start>Administrative Tools** and open the Server Manager.
3. Right-click **Roles**, and then select **Add Roles**.
The Add Roles Wizard opens.
4. Click **Next**.
The Select Server Roles screen appears.
5. Select **Remote Desktop Services**, and then click **Next**.

The Remote Desktop Services screen appears.

6. Click **Next**.

The Select Role Services screen appears.

7. Select **Remote Desktop Session Host**, and then click **Next**.

The Uninstall and Reinstall Applications for Compatibility screen appears.

8. Click **Next**.

The Specify Authentication Method for Remote Desktop Session Host screen appears.

9. Select **Do not require Network Level Authentication**.

10. Click **Next** until you reach the Configure Client Experience screen.

11. Select **Audio and video playback** and **Audio recording redirection**, and then click **Next**.

The Confirm Installation Selections screen appears.

12. Confirm your selections, and then click **Install**.

The Installation Progress screen shows the status of the installation. When the process is complete, the Installation Results screen appears.

13. Verify that the installation was successful, and then click **Close**.

14. Restart the computer.

Configure the local group policy

1. On the server, open a command prompt and run `gpedit.msc`.
2. Navigate to **Computer Configuration>Administrative Templates>Windows Components>Remote Desktop Services>Remote Desktop Session Host>Device and resource redirection**.
3. Enable the **Allow audio and video playback redirection** option:
 1. On the Allow audio and video playback redirection screen, select **Enabled**.
 2. Click **OK**.
4. Enable the **Allow audio recording redirection** option:
 1. On the Allow audio recording redirection screen, click **Enabled**.
 2. Click **OK**.
5. On the client computer, launch the registry editor:
 1. Go to **Start > Run...**
 2. In the Run line, type **regedit**.
 3. Click **OK**.
6. Set the following registry setting to 0:

```
HKLM\SYSTEM\CurrentControlSet\Control\Terminal Server\WinStations\RDP-Tcp  
fDisableAudioCapture REG_DWORD0x00000000
```

Allow connections from client computers

1. On the server, open the Control Panel.
2. Navigate to **System and Security>System**.
3. Select **Remote**.

4. Choose your preferred configuration to allow remote connections.
5. Click **OK**.
6. Proceed to [“Configuring the Dragon clients” on page 82](#).

Configuring other server operating systems

Do the following to configure Remote Desktop Connection on Windows 7 Ultimate and Enterprise, Windows 8 Professional and Enterprise, or Windows 10 Professional, Enterprise and Education:

1. Open the Control Panel.
2. Open **System Properties**.
3. Click the **Remote** tab.
4. Choose your preferred configuration to allow remote connections.
5. Proceed to [“Configuring the Dragon clients” on page 82](#).

Configuring the Dragon clients

To enable audio redirection through a remote desktop connection and to allow users to connect and use Dragon through a Remote Desktop Connection, you must install and configure the Dragon Client for Remote Desktop on each client computer that needs to connect to Dragon on the server.

1. In Windows Explorer, navigate to the Dragon installer DVD.
2. Open the DragonClientForRemoteDesktop folder.
3. Double-click to run `setup.exe` or `dragon-clientinstaller.msi`.
4. Follow the prompts to complete the installation.

Configure the microphone

1. On the client computer, plug in the microphone that you're using to dictate with Dragon.
2. Go to **Start>Dragon Client for Remote Desktop** and open the Audio Setup Wizard.
3. Follow the prompts to ensure that microphone sound levels and signal quality are acceptable.

Configure the Remote Desktop Connection

Note: Depending on which version of Windows you are running, your RDC software interface may not completely match the screens described in the steps in this section.

1. In the **Start** menu, search for and open Remote Desktop Connection.
2. In the Remote Desktop Connection window, click **Options**.
3. Select the **Local Resources** tab, and then click **Settings**.
A pop-up dialog window appears.
4. Under **Remote audio playback**, select **Play on this computer**.
5. Under **Remote audio recording**, select **Record from this computer**.
These options enable audio support when the user runs Dragon over a remote connection.
6. Click **OK** to close the pop-up window.
7. Recommended for PowerMic users only:
 - On the **Local Resources** tab, set the **Apply Windows key combinations** field to **Only when using the full screen**. Using full-screen mode lets you use the PowerMic Button Control application correctly.

Note: Key combinations may not work as expected when using full-screen mode.

- On the **Display** tab, set the **Display configuration** to Full Screen.
8. In the **Start** menu, search for and open the Control Panel on your computer.
 9. Open the Sound window. If you do not see **Sound** in the main Control Panel screen, click **Hardware and Sound** and look for **Sound** within this category.
 10. Click the Recording tab and verify that Remote Audio device appears.

Using Dragon on a Server Operating System

- To use the PowerMic over a remote desktop connection, select the USB microphone type when creating a new user profile.

When using the USB dictation source, you must use the PowerMic Button Control application to configure PowerMic hot keys.

- The Remote Audio suggested for the user profile is the default microphone on your client computer.

User profiles and using Dragon through a Remote Desktop Connection

For best results, Nuance recommends creating and training a new user profile while Dragon is running in a Remote Desktop session.

