

# Benefits of cloud speech

More efficiency and accuracy—optimised radiology performance.

Fast, accurate speech recognition has always been a characteristic of PowerScribe. With PowerScribe One, new levels of accuracy and performance are achieved with cloud speech and AI-driven language processing.

## Positively impacting the radiologist's workflow and the bottom line

PowerScribe One harnesses Nuance's award-winning cloud speech technology coupled with advanced radiology-specific language models. It includes AI-driven, radiology-specific enhancements that automate report creation, streamline operations, accelerate adoption and support remote reporting.

Healthcare organisations can save time, cost and increase workflow efficiency throughput, as well as easier deployment. All that lead to reduced radiologist and staff burnout, optimised radiology performance and revenue, and enhanced patient care.



**Enjoy "out of the gate" accuracy** due to improved, radiology-specific language understanding algorithms that deliver accurate recognition right from the start, without the need for voice training.



**Update language models and vocabulary easily** through rolling releases based on continuous learning and monitoring of words added by users.



**Improve security and reliability** with a horizontally scalable cloud architecture and redundant services that increase availability, minimise downtime and streamline operations.



**Increase flexibility and mobility** with no dependence on recording device. Move from machine to machine or device to device without the need for optimisation or adaptation.



**Eliminate profile creation and management** with cloud-hosted acoustic models based on advanced neural networks. No microphone calibration, audio configuration, or profile corruption.



**Reduce total cost of ownership** through reduced infrastructure and less need for hands-on IT or admin staff engagement to deploy, train, troubleshoot and maintain.



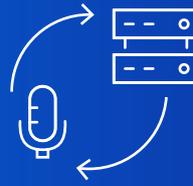


## Benefits of cloud speech

### Recognition occurs on secure, cloud-hosted servers

Speech profiles are in the cloud supporting greater mobility and eliminating speech profile corruption.

- **Automatic updates** mean less work and less hassle. IT and radiology users always have access to the latest version and technology.
- **Remote use is easily accommodated.**
- **Hardware and IT expenses are reduced.** IT no longer maintains speech servers and deploys client workstations.
- **Nuance continually updates words and language models.** Advanced neural network processing in the cloud automatically adapts to speech patterns and corrections.
- **It is easy to switch input devices.** Effortlessly move between PowerMic, headset or mobile device.
- **No profile training is required.** A radiologist can login and start using it without reading scripts or performing personal customisations.



## Limitations of on-premise speech

### Recognition occurs on your local network server(s)

Speech profiles are stored locally. They must be loaded onto each workstation and require additional maintenance.

- **Manual update process requires intervention.** IT must load and test software on every client, users must wait for system updates.
- **Remote use requires complex connectivity arrangements.**
- **Hardware and IT expenses are significant** requiring FTE hours to develop deployment models and support profile optimisation servers.
- **Updating vocabulary and language models is intermittent.** Language model improvements must wait for system-wide upgrades. Correction and adaptation processing takes time.
- **It is difficult to switch input devices.** Each switch requires time-consuming voice calibration and testing.
- **Requires profile creation and training.** Radiologists must read prepared scripts to configure the system for accurate recognition.

## LEARN MORE

To learn more about PowerScribe One, please visit [newzealand.nuance.com/powerscribe-one](https://newzealand.nuance.com/powerscribe-one)



### About Nuance Communications, Inc.

[Nuance Communications](https://www.nuance.com) is a technology pioneer with market leadership in conversational AI and ambient intelligence. A full-service partner trusted by 77 percent of U.S. hospitals and 85 percent of the Fortune 100 companies worldwide, Nuance creates intuitive solutions that amplify people's ability to help others. Nuance is a Microsoft company.