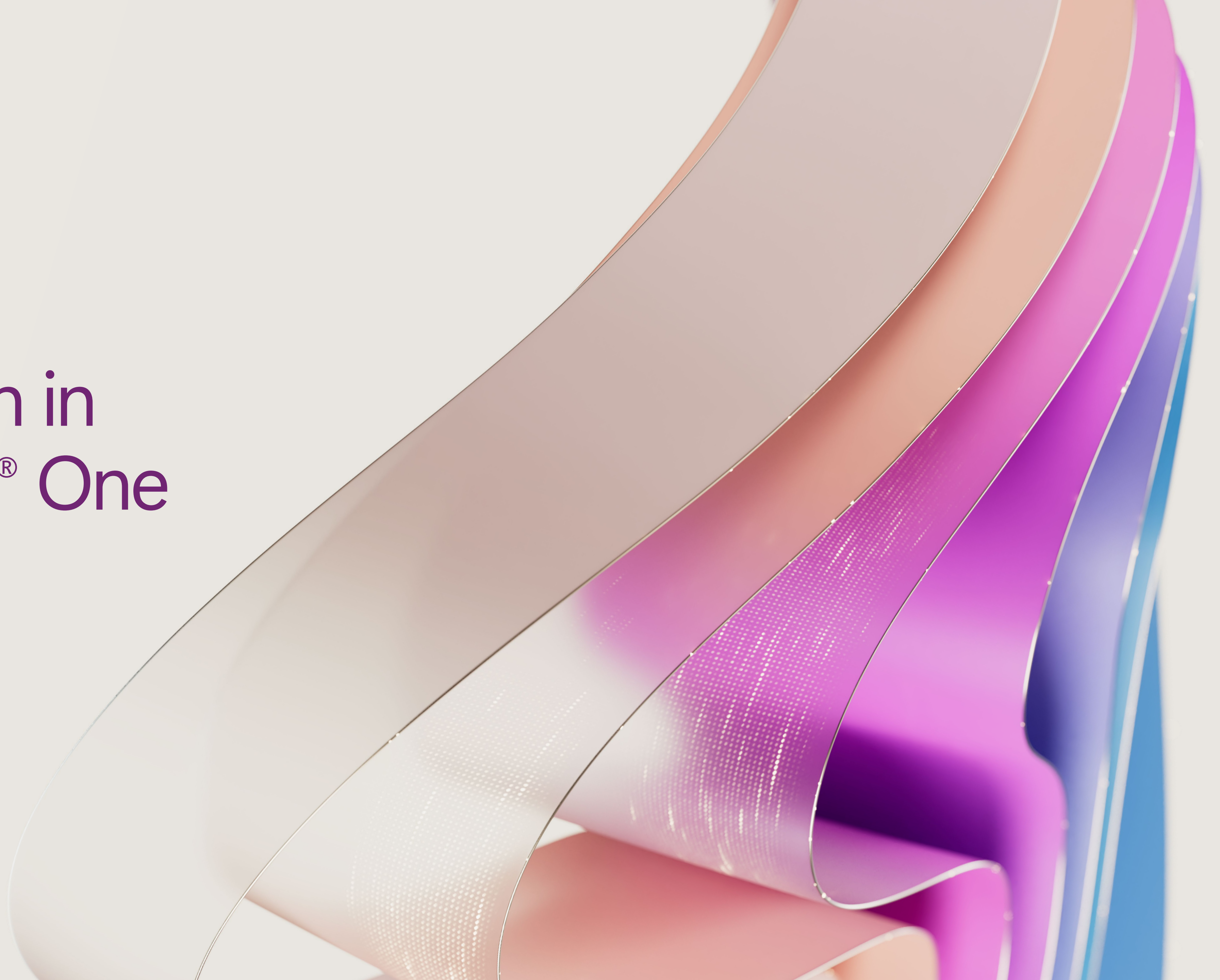




# Benefits of cloud speech in PowerScribe® One

More efficiency and accuracy—  
less burnout and IT overhead





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

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

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

Organizations can realize time and cost savings from increased radiologist efficiency and throughput, as well as easier deployment, reduced IT footprint, and less system maintenance. These can translate into reduced radiologist and staff burnout, optimized 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.



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



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



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



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



**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.

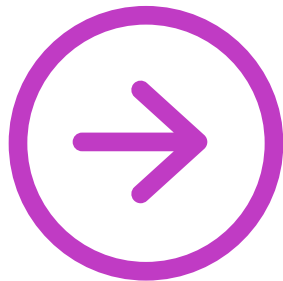


# Cloud vs. on-premise speech processing—what’s the difference?

Benefits of next-generation cloud speech	Limitations of on-premise speech
Speech profiles are in the cloud; users move, but profiles do not, supporting greater mobility and eliminating speech profile corruption.	Speech profiles are stored locally; they must be loaded onto each workstation and require additional maintenance.
Automatic updates mean less work and less hassle. IT and radiology users always have access to the latest version and technology.	Manual update process requires intervention. IT must load and test software on every client; users must wait for system updates.
Home or remote use is easily accommodated.	Home or remote use requires complex connectivity arrangements.
Hardware and IT expenses are reduced. IT no longer maintains speech servers and deploys client workstations.	Hardware and IT expenses are significant. Requires FTE hours to develop deployment models and support profile optimization servers.
Microsoft continually updates words and language models. Advanced neural network processing in the cloud automatically adapts to users’ dictation styles, speech patterns, and corrections.	Updating vocabulary and language models is intermittent. Language model improvements must wait for system-wide upgrades. Correction and adaptation processing takes time.
It is easy to switch input devices. Effortlessly move between PowerMic, headset, and PowerScribe Mobile Radiologist app.	It is difficult to switch input devices. Each switch requires time-consuming voice calibration and testing.
No profile training is required. A radiologist can log in and begin using it without reading scripts or performing personal customizations.	Requires profile creation and training. Radiologists must read prepared scripts to configure the system for accurate recognition.

MEDICAL DEVICE DISCLAIMER. Microsoft products are not designed, intended or made available as a medical device(s) and are not designed or intended to be a substitute for professional medical advice, diagnosis, treatment, or judgment and should not be used to replace or as a substitute for professional medical advice, diagnosis, treatment, or judgment.

© 2025 Microsoft. All rights reserved. MS54\_JAN 2025



To learn how we can help you optimize your radiology workflow, please visit [aka.ms/powerscribeone](https://aka.ms/powerscribeone)