Speech Recognition in the Right Place

The core differentiator of M*Modal Fluency Direct® is a cloud-hosted user profile which is shared across applications, workflows and devices. This means that a single, trained speech profile can be leveraged by several M*Modal solutions and third-party mobile applications so that clinicians can interchangeably use the documentation option (front-end speech recognition, back-end speech recognition with transcription or mobile speech recognition) that best meets their need at that point in time. This enables M*Modal to deliver unified speech-driven documentation solutions that break physician workflow silos and provide interchangeable options for greater flexibility, consistency and portability.

A single user voice profile in the cloud also allows all speech-enabled documentation methods, from multiple locations, to contribute to and benefit from each other's success. As one system such as Fluency Direct accesses the cloud, information is pulled, cached locally and continually kept up-to-date to facilitate a more accurate recognition process. As the system is employed, user activity is relayed back to the cloud so that insights can be gained, profiles updated and performance improved.

Recognition Where it is Most Beneficial

While it makes sense to store and train user profiles in the cloud, it doesn't always make sense to do recognition there. Far superior than supposed "100% cloud-based" speech solutions, Fluency Direct can uniquely be configured to do recognition in the best "place" which, though situationally dependent, is typically as close to the physician as possible. Fluency Direct offers matchless flexibility with recognition location options to optimize performance, including:

- **Local Recognition:** Whether Fluency Direct is accessing the latest speech profile from the cloud or using a recently cached profile, the system can be configured to do speech processing on local workstation hardware. This approach delivers unparalleled reliability by leveraging local resources to protect against Internet outages.
- **On-Premise Server-Based Recognition:** For virtualized environments, the Fluency Direct client can be configured to off-load speech recognition to one or more speech recognition servers located inside an organization's data center. By leveraging on-premise servers to process speech instead of VDI, Citrix® and Terminal Services resources, the solution is capable of dynamically allocating processing power in a centralized and scalable way. Once a user accesses a local server, information is pulled from the cloud and cached, providing resiliency from Internet connectivity issues.
- **Cloud-based Recognition:** M*Modal hosts recognition servers for its clients in its own Internet-accessible, HIPAA-compliant data centers. Redundant servers spread across redundant data centers offer five-nine reliability.

To find out more, visit our website at mmodal.com or contact us at 866-542-7253.