Voice-based personal assistants in an enterprise:
Walking the talk
Frank is always pressed for time. He has spent almost a decade as the head of a retail store for a large chain. Over the last few years, he has been steadily handed over the reins of four other stores in the chain. His knowledge and expertise are beyond doubt. The problem is that while work has multiplied several folds and his responsibilities have grown, he still has only 24 hours in a workday. Frank, our superhero cast in the image of scores of successful store managers, needs help. He needs a solution that lets him work faster, more efficiently, with greater confidence, and just as independently as he now does. We think Frank could do with a personal voice-based assistant that smoothly takes over routine secretarial tasks, responds to queries that need analysis of data prised out of large enterprise systems with the air of a seasoned information analyst and hunts down material on the Internet with the practiced eye of a sleuth.

How would Frank use such a personal assistant? Exactly like you would use Amazon’s Alexa: “Wake me up at 4.30 am” or “What does my commute look like?” Except Frank would change that to, “Set up a meeting with the marketing team at 4.30 pm” or “Which was the top-selling nappy rash cream last fortnight?” Franks spanking new voice-based assistant could turn practically any task into kid stuff. And Frank, always on the lookout for a helping hand, would have found the perfect one: quick, accurate and always available.

AI-based personal assistants such as an Alexa can make people like Frank and other middle-level managers extremely productive. This happens when personal assistants get integrated with the enterprise systems and combine data with AI.

The voice of convenience in enterprise

In the case of Frank and other store managers like him who are short on time and hungry for help, it means a personal assistant can be integrated with ERP – say, SAP Customer Activity Repository in the retail industry – and trained to assist with employee management, inventory analysis, visual merchandising and cost management. Need comparative sales figures and margins of products over a period? No problem, the personal assistant will take care of it. Want to apply that knowledge to compare prices of similar products with competitors? No problem, the personal assistant will take care of it.

The technology can be deployed to take notes during employee evaluations, manage everyday analysis of sales campaigns, write emails to teammates, ask for reports, set up meetings, and even being smart enough to say, “Frank, it’s the wife’s birthday, you need to leave early. Would you like to set up the meeting for another day?” In other words, the assistant would not only be a boon in the workspace but also to manage personal life, making it fit the needs of the office.
Secure – And being human

There is another critical difference between a personal assistant in the consumer space and that within an enterprise—the enterprise is obsessively concerned about security. The problem of security is easily solved. Personal assistants cannot be used/abused by others as they are trained to recognize the user’s voice pattern. Speech becomes the ID while an authentication process can be set up by sending a one-time password (OTP) to a mobile device that is then used to unlock the personal assistant.

In summary, everything that a voice-based personal assistant can do can also be achieved using a keyboard and a screen by clicking on boxes and radio buttons, selecting from drop-down menus, pointing systems to various databases, etc. But deploying a voice-based personal assistant humanizes the entire process, removing the clumsy keyboard-and-mouse interface between man and machine. This simple act of removing friction between man and machine takes the tedium out of work, making employees productive and keeping them happy.

About the author

Varun Vijh
Lead Architect, SAP Digital Innovation Group, Wipro Ltd.

He has over 15 years of experience across SAP cutting edge technologies, business architecture development and transformation as well as SAP business process consulting.

He can be reached at varun.vijh@wipro.com

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Wipro Limited
Doddakannelli, Sarjapur Road,
Bangalore-560 035, India
Tel: +91 (80) 2844 0011
Fax: +91 (80) 2844 0256
wipro.com

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