

# Smarter Planet: Empower People with Information Insights

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We are all now connected economically, technically and socially. Our planet is becoming smarter. Infusing intelligence into the way the world literally works the systems and processes that enable physical goods to be developed, manufactured, bought and sold services to be delivered everything from people and money to oil, water and electrons to move and billions of people to work and live. All these become possible via information integration scattering in many different data sources: from the sensors, on the web, in our personal devices, in documents and in databases, or hidden within application programs. Information is exploding with large amount of data generated every second. It creates many challenges in securely storing, managing, integrating, cleansing, analyzing and governing the massive generated information besides the privacy issue. This can be a difficult or time consuming endeavor. This talk describes some information-intensive tasks, choosing examples from such areas as healthcare, science, the business world and our personal lives. I will discuss the barriers to getting information together, delivering it to the people that need it, in a form they can understand, analyzing the diverse spectrum of information, giving insights to the decision makers. I will review key research on information integration and information interaction, indicate how the combination may enable real progress, and illustrate where research challenges remain.