Funambol One IoT Hub

The Internet of Things (IoT) is a network of physical objects, devices, vehicles, buildings and other items embedded with electronics, software, sensors, and network connectivity, which enable these objects to collect and exchange data (Wikipedia, 2016). Mobile providers are developing diverse IoT projects and services to revolutionize many aspects of daily life and to generate new revenue streams.

What are the top consumer IoT services? A survey found that these areas generate the most interest:
- Smart home including thermostat, lighting control, fridge and door locks
- Security e.g. home monitoring, visitor identification and intrusion detection
- Wearables, such as a smart watch, activity tracker and augmented reality devices
- Connected cars and connected health

There are also numerous business IoT uses such as smart cities, energy grids, manufacturing and retail.

Industry analysts believe that the cloud is a key IoT component. 451 Research wrote, "The cloud has a critical enabling role … for many IoT applications and the tools that will drive the insights to deliver ROI… The game-changing economic and scale advantages of the cloud model align perfectly with the requirements of IoT, and they could be argued as the most critical enabler for its long-term viability."

The cloud can automate numerous functions that are intrinsic to IoT. IoT services typically involve a large number of distributed and remote devices. The cloud is a natural place to sync and store data generated by these devices and to communicate with them and control them. It provides an easy way for people to access this data on mobile devices and to interact with distributed and remote devices.

The Funambol One IoT Hub automates common functions of IoT projects, including wireless data sync, user authentication, provisioning & billing, security and analytics. It is based on the Funambol platform and it eliminates the need to develop these functions from scratch, freeing teams to focus on value-added capabilities rather than recreating the IoT infrastructure wheel.

Funambol has deep experience with heterogeneous devices on complex wireless networks. Funambol solutions have benefited from hundreds of years of real-world use to ensure high performance, scalability, robustness and suitability for diverse systems involving hundreds of millions of mobile devices. For more information about Funambol One IoT Hub, please contact the Funambol sales team.