

PRESS RELEASE

Telefónica presents a SIM-based solution to connect IoT devices to Amazon Web Services IoT

- The solution uses Telefonica's cellular network identification and SIM cards as a secure distribution and storage enabler.

Mobile World Congress, Barcelona, February 27, 2018. Telefónica is showcasing at Mobile World Congress a SIM-based solution to connect Internet of Things (IoT) devices to Amazon Web Services IoT (AWS IoT). This solution, which is in private preview, simplifies the connection of IoT devices to the cloud and enable large-scale credentials distribution, facilitating and securing Telefónica customers' connection of IoT devices to AWS IoT.

Vicente Muñoz, Chief IoT Officer of Telefónica said: "This solution is part of Telefónica's strategy to help its customers connect their IoT devices to the cloud. Security is a priority for Telefónica and this solution helps secure connection of devices to AWS IoT, bolstering cellular connectivity and SIM cards as key enablers of IoT security. This solution is the first initiative from the recently created Telefónica IoT Security Lab whose goal is to provide comprehensive and secure IoT solutions to our customers"

Telefónica's IoT connectivity platform identifies the cellular device's connection, enrolls the device automatically on AWS IoT and sends the credentials to the SIM card over the air, without the need of provisioning any key or credential on the device previously. Developed together with ElevenPaths, Telefónica cybersecurity unit, this out-of-band credentials delivery adds a second factor authentication for the device that significantly increases security. The certificate delivery is based on standard 3GPP SIM management technology which makes this solution available for any IoT SIM card from Telefónica.

The solution is being demonstrated at GMSA's Innovation City stand at MWC.

About Telefónica

Telefónica is one of the largest telecommunications companies in the world by market capitalization and number of customers with a comprehensive offering and quality of connectivity that is delivered over world class fixed, mobile and broadband networks. As a growing company it prides itself on providing a differential experience based both on its corporate values and a public position that defends customer interests.

The company has operations in 17 countries and 344 million accesses around the world. Telefónica has a strong presence in Spain, Europe and Latin America, where the company focuses an important part of its growth strategy.

Telefónica is a 100% listed company, with more than 1.5 million direct shareholders. Its shares are traded on the Spanish Stock Market and on those in London, New York, Lima, and Buenos Aires.