IoT services for Industrial, Consumer, and Commercial Solutions

Broad and deep

AWS has broad and deep IoT services, from the edge to the cloud. Device software, Amazon FreeRTOS and AWS IoT Greengrass, provides local data collection and analysis. In the cloud, AWS IoT is the only vendor to bring together data management and rich analytics in easy to use services designed specifically for noisy IoT data.
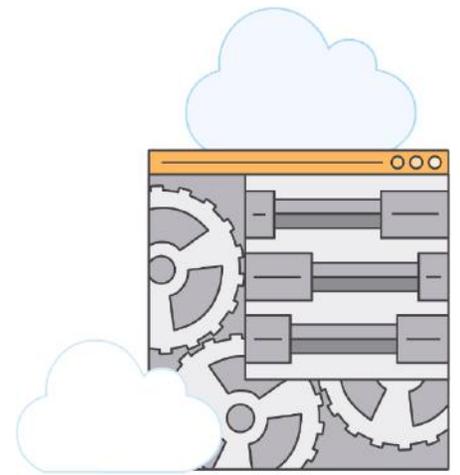
Multi-layered security

AWS IoT offers services for all layers of security. AWS IoT includes preventative security mechanisms, such as encryption and access control to device data. AWS IoT also offers a service to continuously monitor and audit security configurations. You receive alerts so you can mitigate potential issues, such as pushing a security fix to a device.

Superior AI integration

AWS is bringing AI and IoT together to make devices more intelligent. You can create models in the cloud, and then deploy them to devices where they run 2x faster compared to other offerings. AWS IoT sends data back to the cloud for continuous improvement of models. AWS IoT also supports more machine learning frameworks compared to other offerings.
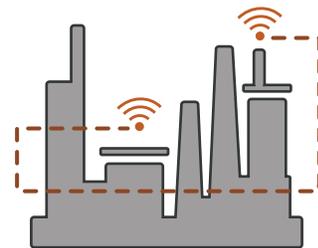
Proven at scale

AWS IoT is built on a scalable, secure, and proven cloud infrastructure, and scales to billions of different devices and trillions of messages. AWS IoT integrates with services such as AWS Lambda, Amazon S3, and Amazon SageMaker, so you can build complete solutions, such as an application that uses AWS IoT to manage cameras and Amazon Kinesis for machine learning.

AWS IoT Solutions & Services

Industrial

AWS IoT customers are building industrial IoT applications for predictive quality and maintenance and to remotely monitor operations.

Connected Home

AWS IoT customers are building connected home applications for home automation, home security and monitoring, and home networking.

Commercial

AWS IoT customers are building commercial applications for traffic monitoring, public safety, and health monitoring.

CONTROL SERVICES
Control, Manage, and Secure Large and Diverse Device Fleets

DEVICE SOFTWARE
Securely Connect Devices, Gather Data and Take Intelligent Actions

DATA SERVICES
Extract Valuable Insights and Unlock the Business Value of IoT Data