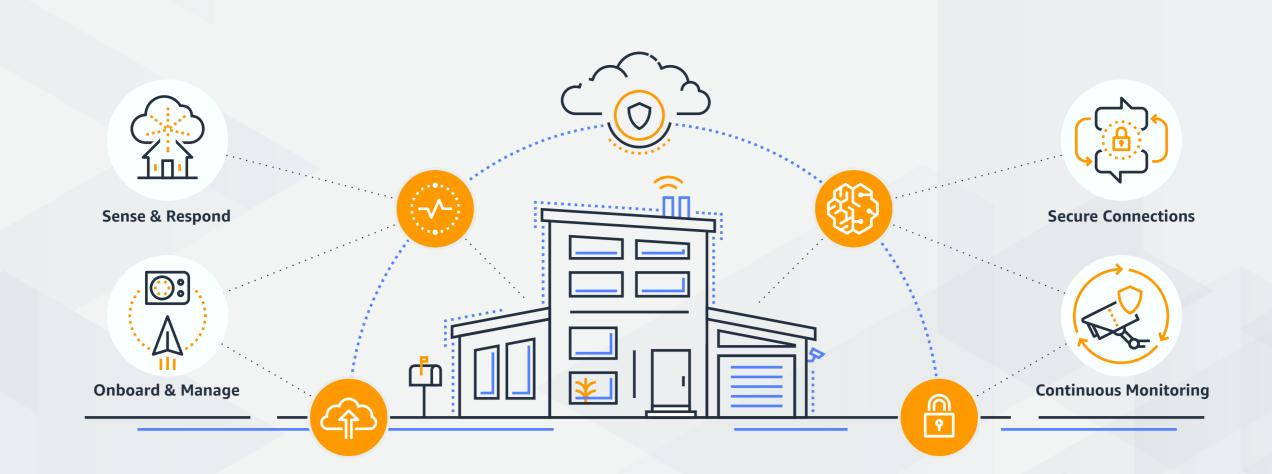
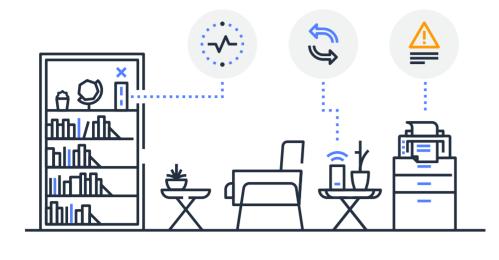
Connected Homes with AWS IoT: **Home Networking**





With 940M smart home devices expected to be shipped worldwide by 2022, the connected home market is booming. AWS IoT's suite of software and services helps optimize customer experience with their home networks.



Consumer needs:

Reliable service and network performance with stress-free troubleshooting



Service Provider needs:

Cost-efficient ways of fixing network issues by optimizing customer support resources

Homes That Support Consumers

Home networking helps providers understand their network and will allow customers to easily troubleshoot network issues, making offline moments resolution-based rather than stress-fueled.



WiFi routers



Modems



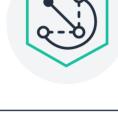
AWS IoT Products

By considering a diverse range of devices and enabling capabilities such as device-based machine learning or cloud-based management and analytics, AWS IoT offers a holistic approach to creating home networking products and services.



FreeRTOS: Operating system for microcontrollers

Amazon



Gateway to bring cloud capabilities to the edge

AWS Greengrass:



connectivity and messaging

AWS IoT Core:

Secure device



AWS IoT Device

Management:

Fleet onboarding, management, and software updates



Defender: Fleet

analytics and audit and protection intelligence



Through the IoT suite, AWS provides a means of working more easily with network issues to improve customer experience while reducing cost.

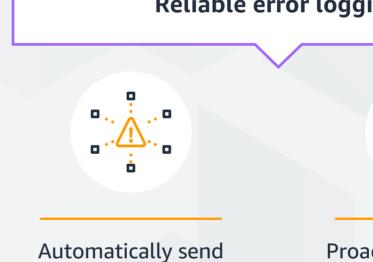
Innovating Home Networking



Help in diagnosing network issues without internet connectivity

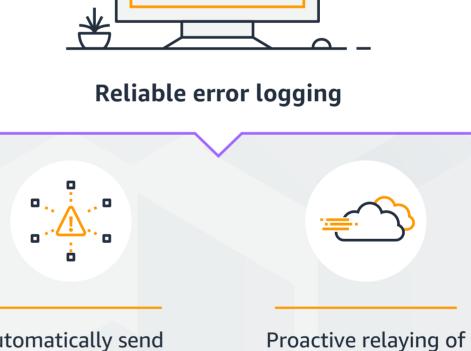


time impact



service providers data on errors so they can be

prevented in the future



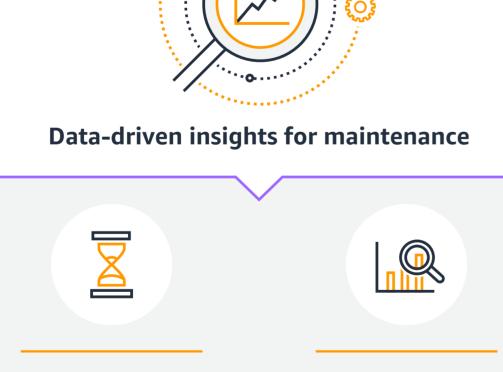
Easy certificate management

and preventative action

data back to the cloud

for transparent,

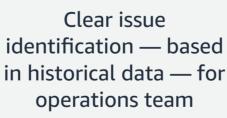
real-time information





Proactive solutions for

less downtime

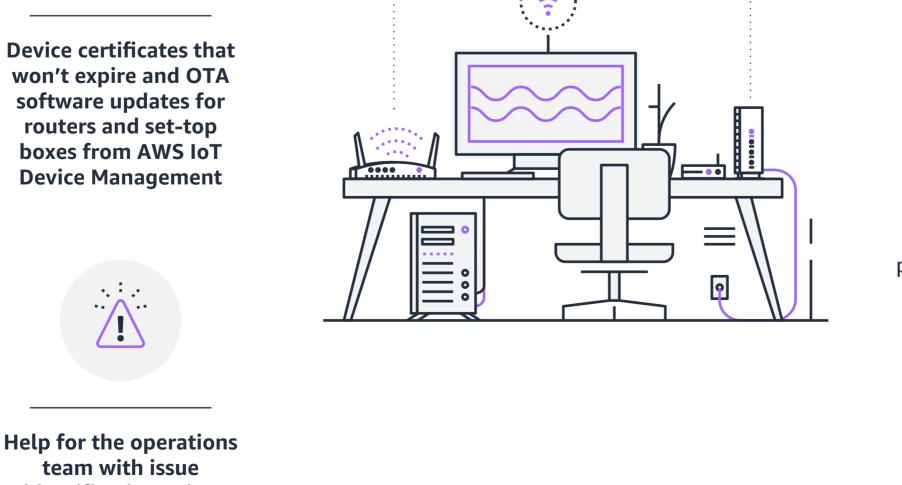




Reassurance of

Fewer resourcing needs due to over-the-air updates and valid device certificates

AWS Home Networking in Action



customers—even without internet connectivity—from **AWS Greengrass** Data relayed back to **AWS IoT Core for** preventive action once cloud connection is re-established

Network diagnosis help for

identification using historical data from **AWS IoT Analytics**

Proactive solutions for customers, who can apply fixes themselves

> Learn more about Home Networking with IoT

AWS IoT enhances networking by filling in the missing links between

network issues, service providers, consumers, and their data.