# AWS IoT Greengrass



aws

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Local compute, messaging, data caching, sync, and ML inference capabilities for connected devices. Run IoT applications seamlessly across the AWS cloud and local devices using AWS Lambda and AWS IoT Core.

AWS Greengrass is software that lets you run local compute, messaging, data caching, sync, and ML inference capabilities for connected devices in a secure way. With AWS Greengrass, connected devices can run AWS Lambda functions, keep device data in sync, and communicate with other devices securely - even when not connected to the Internet. Using AWS Lambda, Greengrass ensures your IoT devices can respond quickly to local events, use Lambda functions running on Greengrass Core to interact with local resources, operate with intermittent connections, stay updated with over the air updates, and minimize the cost of transmitting IoT data to the cloud.