AWS re:Invent

IOT210

Manage Your IoT Device Lifecycle with AWS IoT Device Management

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Goal for this Builder Session
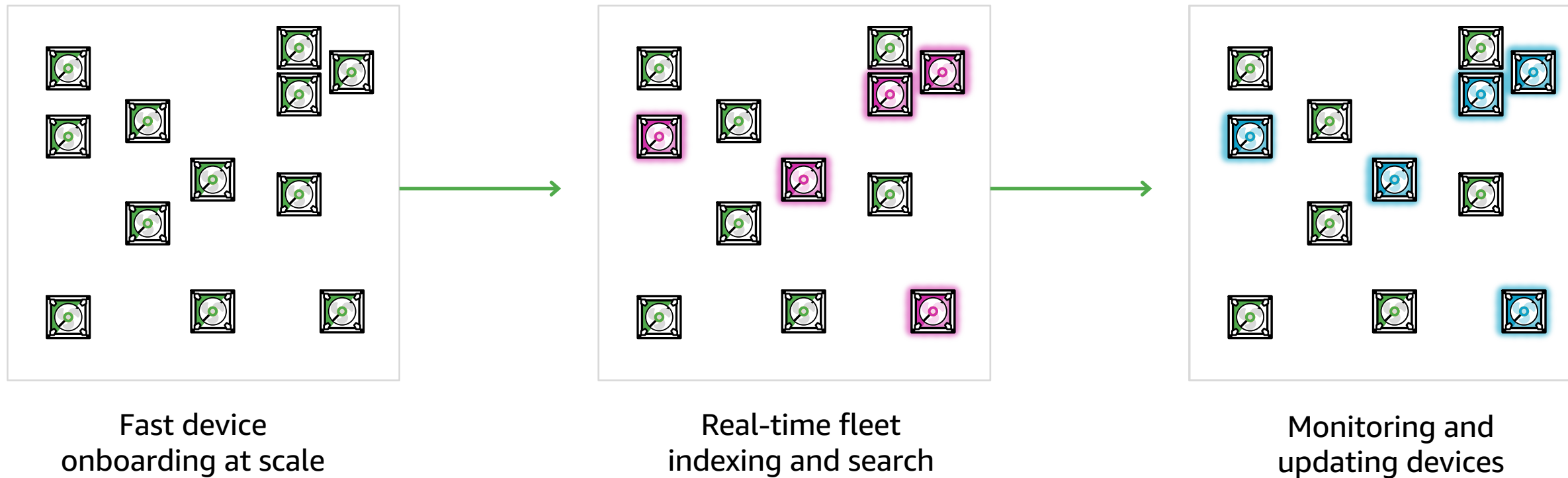
What you will learn:

- How to bulk provision a fleet of devices

- How to do over the air updates and run device jobs

- How to group index and search the fleet of devices and device shadows

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AWS IoT Device Management

Device Management Service
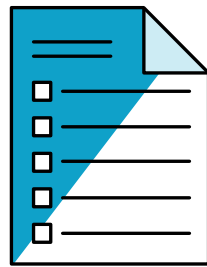
AWS IoT Device Management helps you onboard, organize, monitor, and remotely manage your growing number of connected devices.
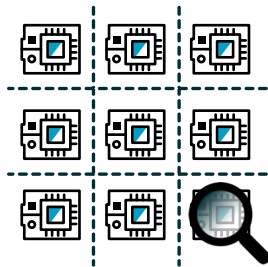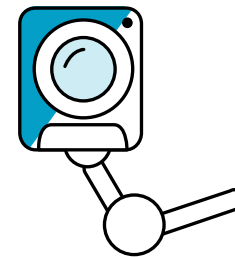

Fast device
onboarding at scale

Real-time fleet
indexing and search

Monitoring and
updating devices

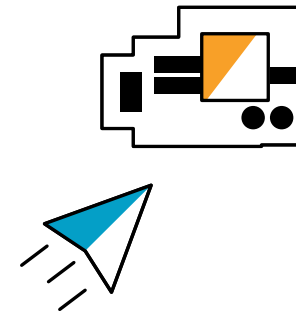# AWS IoT Device Management

Maintain Fleet Health

Batch Fleet Provisioning

Real-time Fleet Index & Search

Fine Grained Device Logging & Monitoring

Over the Air Updates

Lab Information

You have been tasked with provisioning and managing Millions of smart home speakers globally and have decided to run a POC of AWS Device Management

- You are going to start by testing bulk provisioning capabilities and getting things created with appropriate certificates and policies

- As devices come onboard, you will use device jobs to run an update to enable a new music service

- You will then enable indexing on the devices/shadows and begin to review what is playing on the devices. Then do a search across the fleet

- You want to create a group for devices that need troubleshooting where you can turn on verbose logging for the device

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Lab Materials

Located on awspete Github repository:

https://github.com/awspete/awsiot

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Thank you!

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