



Smart Meters

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Agenda (All timings are in EST)

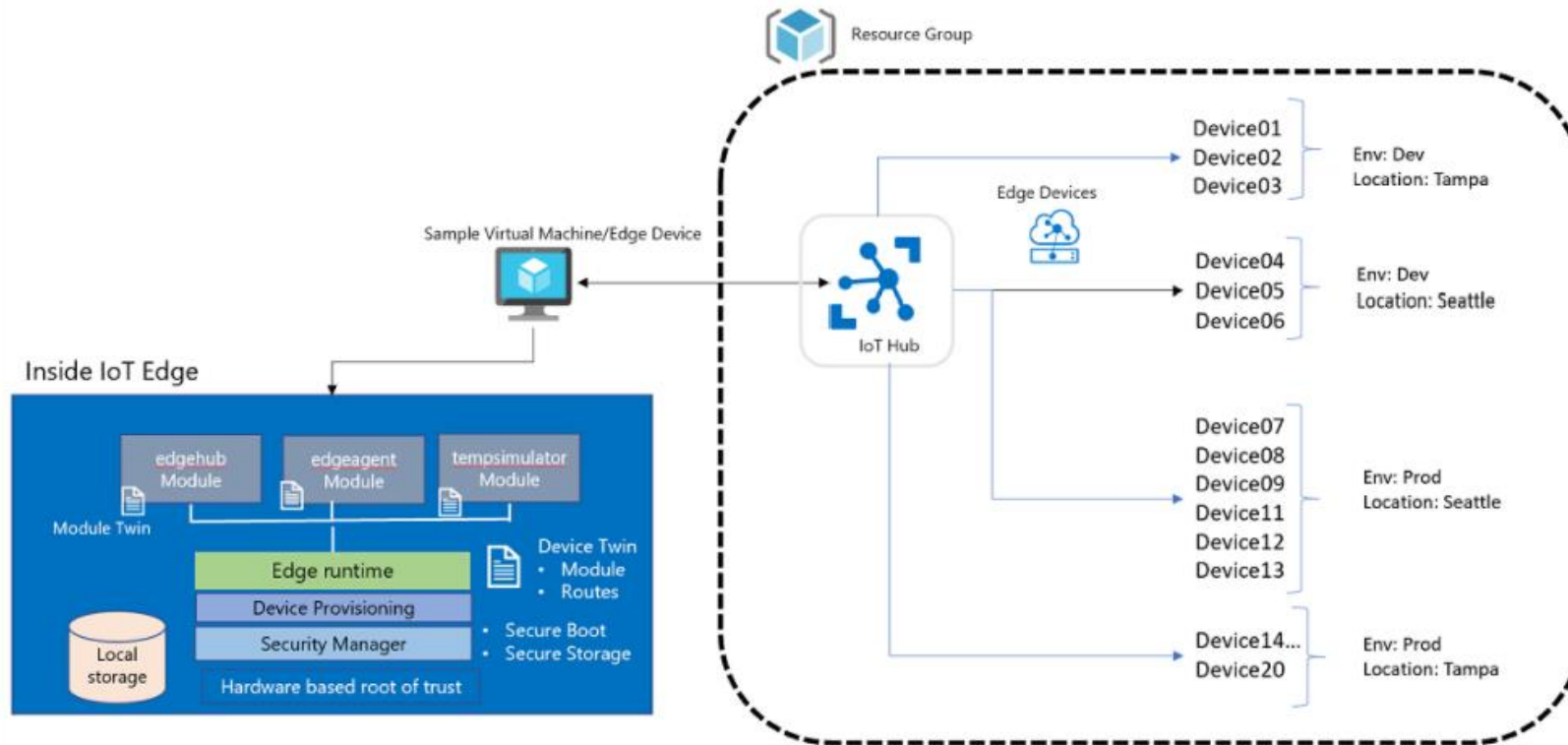
- 11:00am- 11:45am EST : Industrial IoT demo.
- 11:45pm - 1:00pm EST : HOLs
- 1:00pm - 1:45pm EST : Lunch Break
- 1:45pm - 3:00pm EST : HOLs
- 3:00pm - 3:15pm EST : Coffee Break.
- 3:15pm – 4:00pm EST : HOLs
- 4:00pm – 4:45pm EST : Github demo deployments at scale app.



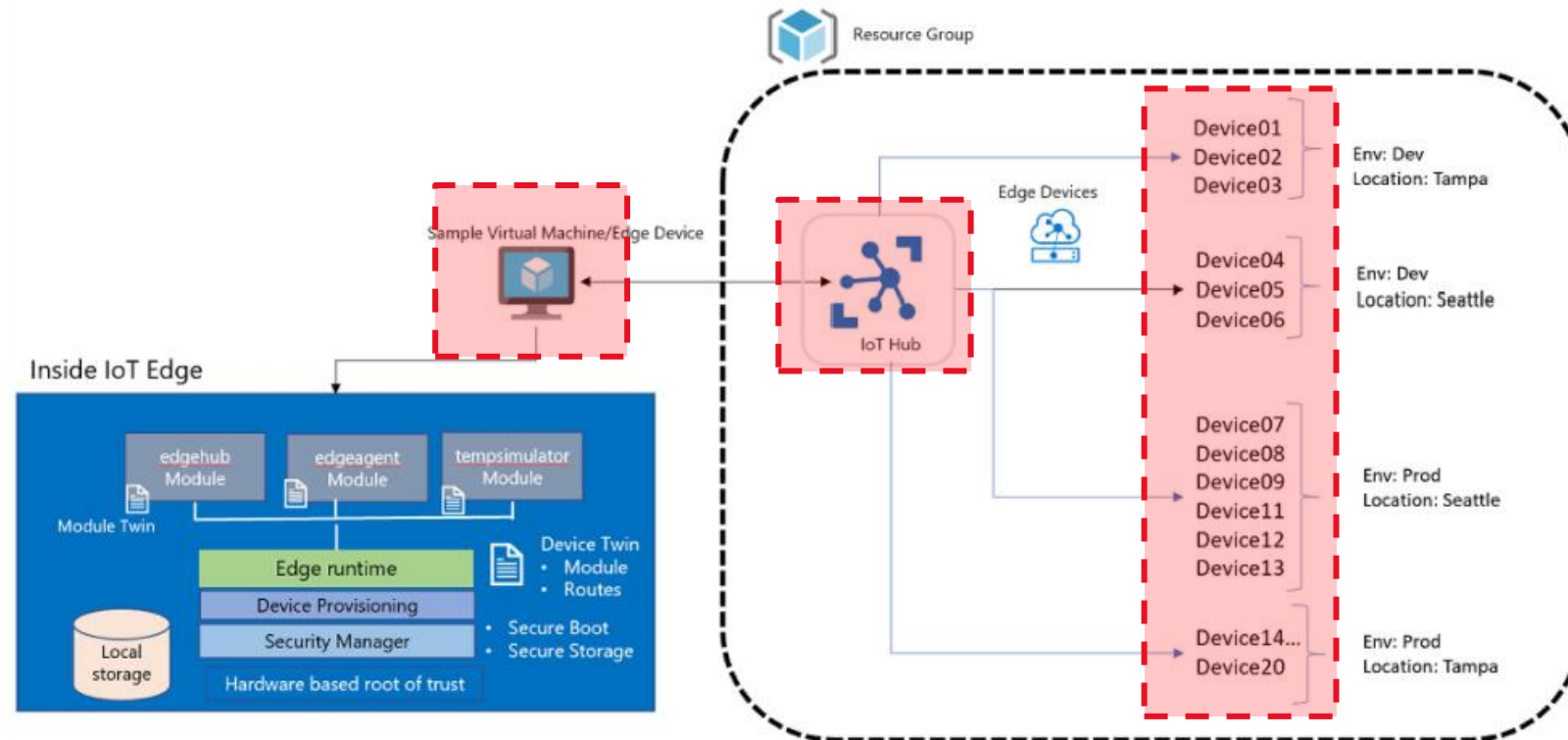
IoT Academy Hands-on Lab

Hands-On Lab E2E

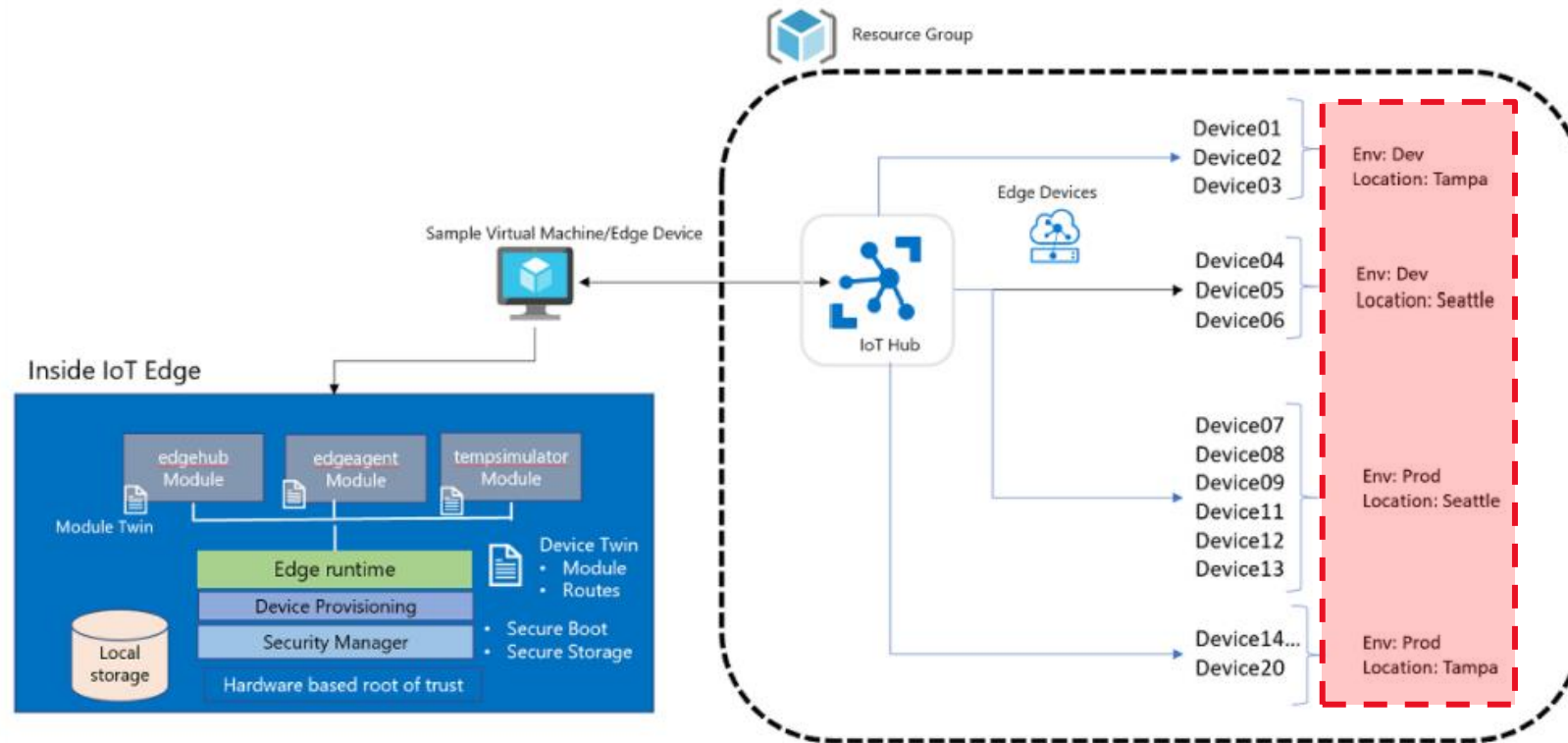
Edge Deployments at Scale



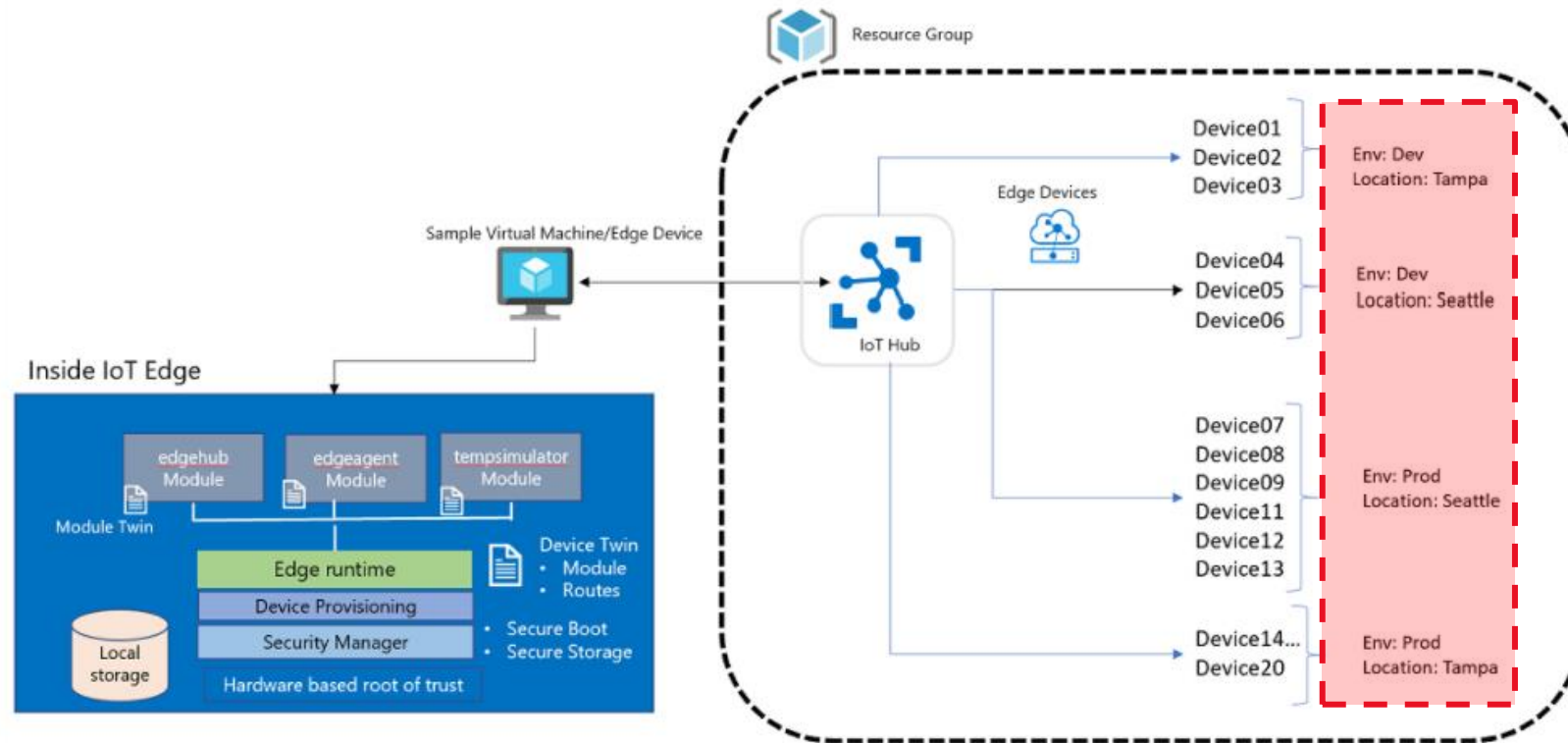
Hands-on Lab – Exercise #1



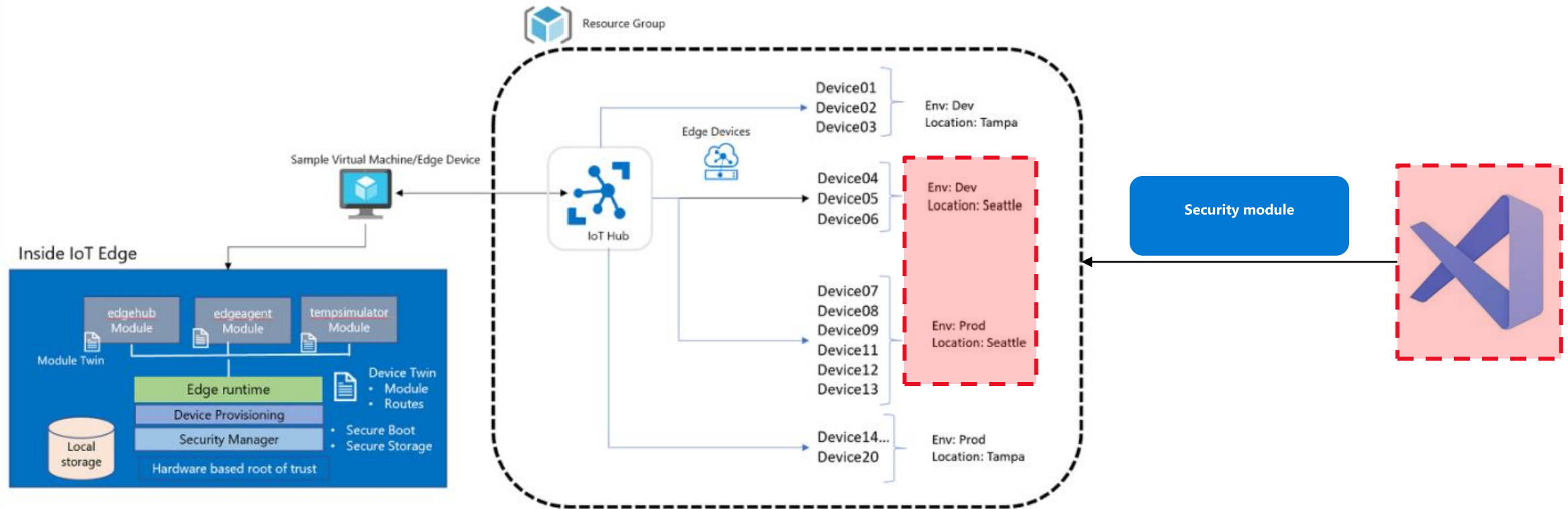
Hands-on Lab – Exercise #2



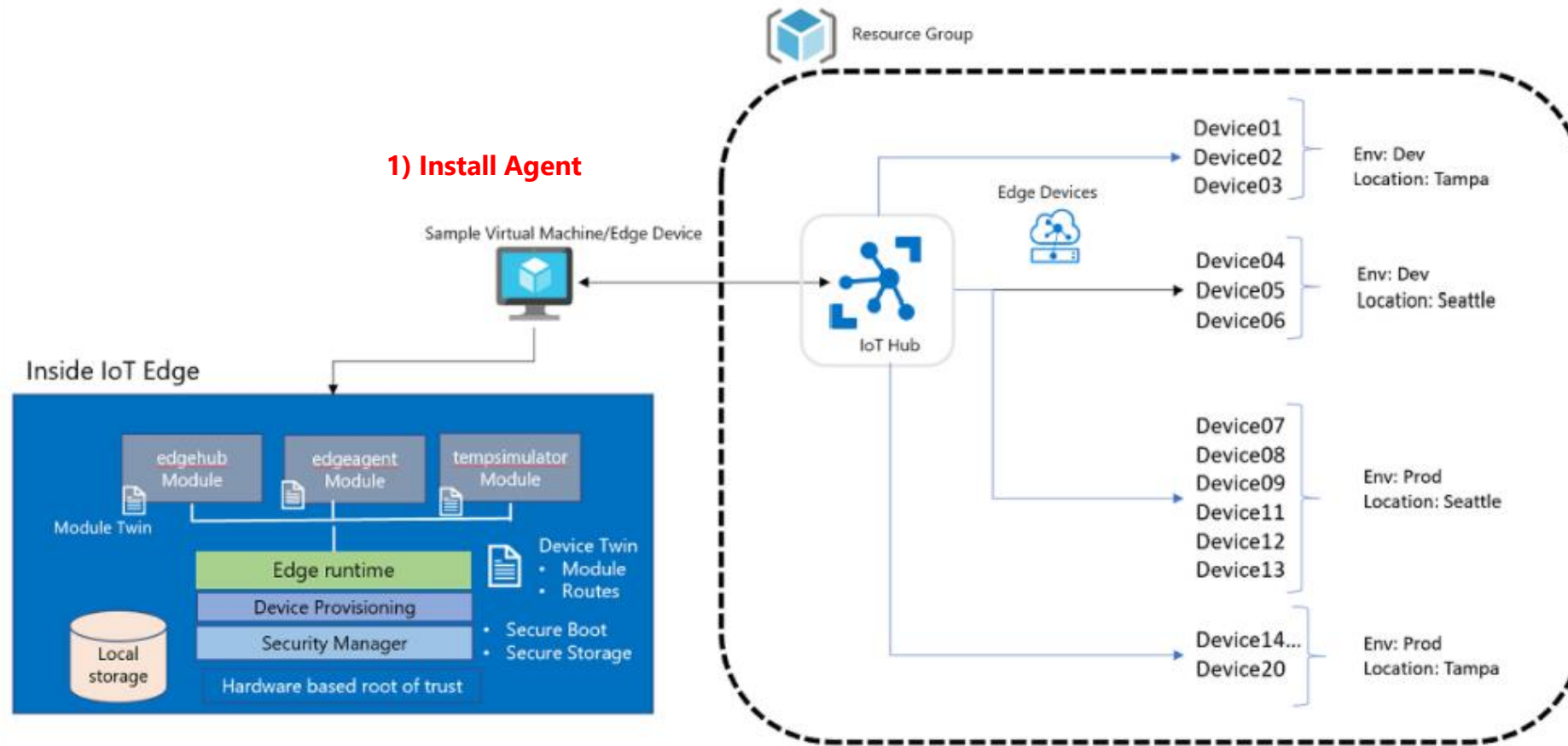
Hands-on Lab – Exercise #3



Hands-on Lab – Exercise #4



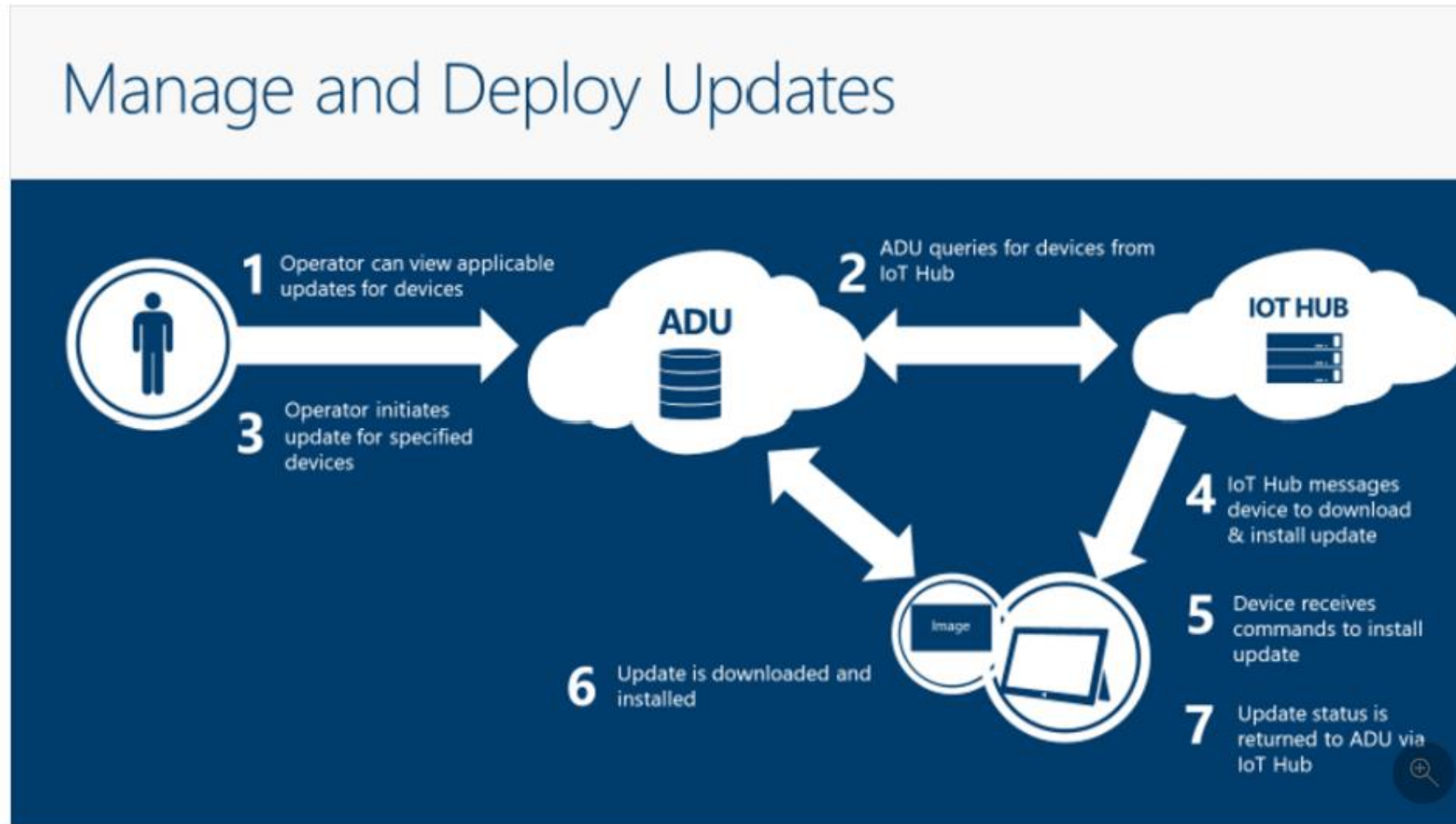
Hands-on Lab – Exercise #5



1) Install Agent

- 2) Enable a Device Update account.**
- 3) Upload images to update**
- 4) Tag your devices**
- 5) Create groups**
- 6) Deploy**

Device Update



Clean Up



IoT Hub Service SDK

✓ feature available ✕ feature planned but not supported — no support planned

Features	C# .Net	Description
Identity registry (CRUD)	✓ *	Use your backend app to perform CRUD operation for individual device or in bulk.
Cloud-to-device messaging	✓	Use your backend app to send cloud-to-device messages in AMQP and AMQP-WS, and set up cloud-to-device message receivers.
Direct Methods operations	✓	Use your backend app to invoke direct method on device.
Device Twins operations	✕	Use your backend app to perform twin operations. This SDK only supports Get Twin at the moment.
Query	✓	Use your backend app to perform query for information.
Jobs	✓	Use your backend app to perform job operation.
File Upload	✓	Set up your backend app to send file upload notification receiver.