# Task4: Lab 07 - Implement an Azure IoT Hub

Lab guide:

<https://github.com/CloudLabs-MOC/AZ-900T0x-MicrosoftAzureFundamentals/blob/prod/Instructions/Labs/07-Implement%20the%20Azure%20IoT%20Hub.md>

1. Analyze the lab guide and understand & identify what are the Pre-requisite resources and what are the lab steps(resources expected) that will be created/performed by the users

* Pre-requisite

Virtual machine with browser

Roles and policies

1. Decide the subscription type based on the lab requirement.

* Shared subscription

1. Develop/Automate the Azure infrastructure(Pre-requisites) with ARM templates, PowerShell scripts as required.

* ARM : <https://taskk4b.blob.core.windows.net/task4bb/temp4b.json>
* PARAMETER: <https://taskk4b.blob.core.windows.net/task4bb/par.json>

1. Add roles, RBAC, Policies as required, modify the RBAC/Policy files to allow only the required actions for user and apply it over the assignable scopes(RG/Subscription). Apply the minimum permissions required.

* RBAC: <https://taskk4b.blob.core.windows.net/task4bb/rbacroles.json>

5)Deploy the ARM template in your subscription and test the lab as per the lab guide

 Github Master Document fileURL:

<https://raw.githubusercontent.com/Sathishhs/task4b/main/Iot4b.json>

1. Create CloudLabs templates and ODL’s

After lab launch

* Task 1: Create an IoT hub
* Task 2: Add an IoT device
* Task 3: Test the device using the Raspberry Pi Simulator

