



Missão Prática – Mundo 4 – Nível 3

Eduardo Alencar Garcia Ferreira - Matrícula: 202208341081

Polo Silva Lobo – BH

Nível 5: Vamos Interligar as Coisas Com a Nuvem!

Objetivo:

- Como criar um Hub IoT do Azure;
- Como registrar um novo dispositivo no Hub IoT;
- Adicionando extensão Hub IoT do Azure para VS Code;
- Gerenciando e interagindo com o Hub IoT.

Adicionar um grupo de consumidores:

Resposta do terminal:

```
PS C:\Users\edualencar\OneDrive\Área de Trabalho\m4-nivel5\web-apps-  
node-iot-hub-data-visualization-master> az iot hub create --name MeuloTHub  
-- resource-group MeuGrupoDeRecursos --sku S1 --location "East US"
```

```
{  
  "etag": "AAAAAAYAAAA=",  
  "id":  
"/subscriptions/0d7b6093-f0ab-4649-9f45-6a0ac4a61cf3/resourceGroups/  
MeuGrupoDeRecursos/providers/Microsoft.Devices/IotHubs/MeuloTHub",  
  "identity": {  
    "principalId": null,  
    "tenantId": null,  
    "type": "None",  
    "userAssignedIdentities": null  
  },  
}
```

```
"location": "eastus", "name": "MeuloTHub",
"properties": {
  "allowedFqdnList": [],
  "authorizationPolicies": null,
  "cloudToDevice": {
    "defaultTtlAsIso8601": "1:00:00",
    "feedback": {
      "lockDurationAsIso8601": "0:00:05",
      "maxDeliveryCount": 10,
      "ttlAsIso8601": "1:00:00"
    },
    "maxDeliveryCount": 10
  },
  "comments": null,
  "deviceStreams": null,
  "disableDeviceSas": null,
  "disableLocalAuth": null,
  "disableModuleSas": null,
  "enableDataResidency": null,
  "enableFileUploadNotifications": false,
  "encryption": null,
  "eventHubEndpoints": {
    "events": {
      "endpoint": "sb://iothub-ns-meuiothub-60006561-
dcdec9b812.servicebus.windows.net/",
      "partitionCount": 4,
      "partitionIds": [
        "0",
        "1",
        "2",
        "3"
      ]
    }
  }
}
```

```
    ],
    "path": "meuiothub",
    "retentionTimeInDays": 1
  }
},
"features": "RootCertificateV2",
"hostName": "MeuloTHub.azure-devices.net",
"ipFilterRules": [],
"ipVersion": null,
"locations": [
  {
    "location": "East US",
    "role": "primary"
  },
  {
    "location": "West US",
    "role": "secondary"
  }
],
"messagingEndpoints": {
  "fileNotifications": {
    "lockDurationAsIso8601": "0:00:05",
    "maxDeliveryCount": 10,
    "ttlAsIso8601": "1:00:00"
  }
},
"minTlsVersion": null,
"networkRuleSets": null,
"privateEndpointConnections": null,
"provisioningState": "Succeeded",
```

```
"publicNetworkAccess": null,
"restrictOutboundNetworkAccess": null,
"rootCertificate": {
  "enableRootCertificateV2": true,
  "lastUpdatedTimeUtc": "2024-06-05T00:23:41.477440+00:00"
},
"routing": {
  "endpoints": {
    "cosmosDbSqlContainers": [],
    "eventHubs": [],
    "serviceBusQueues": [],
    "serviceBusTopics": [],
    "storageContainers": []
  },
  "enrichments": null,
  "fallbackRoute": {
    "condition": "true",
    "endpointNames": [
      "events"
    ],
    "isEnabled": true,
    "name": "$fallback",
    "source": "DeviceMessages"
  },
  "routes": []
},
"state": "Active",
"storageEndpoints": {
  "$default": {
    "authenticationType": null,
```

```
    "connectionString": "",
    "containerName": "",
    "identity": null,
    "sasTtlAsIso8601": "1:00:00"
  }
}
},
"resourcegroup": "MeuGrupoDeRecursos",
"sku": {
  "capacity": 1,
  "name": "S1",
  "tier": "Standard"
},
"subscriptionid": "0d7b6093-f0ab-4649-9f45-6a0ac4a61cf3",
"systemData": {
  "createdAt": "2024-06-05T00:24:05.046666+00:00",
  "createdBy": null,
  "createdByType": null,
  "lastModifiedAt": null,
  "lastModifiedBy": null,
  "lastModifiedByType": null
},
"tags": {},
"type": "Microsoft.Devices/IotHubs"
}
```

