Steps for Creating an Alert System for IoT Hub Via built in alert system.

1)Create and visualize some metrics

-In your IoT Hub portal, locate and click Metrics in the Monitoring section

-In the bar that starts with the SCOPE entry, verify that SCOPE is set to the name of your IoT Hub. Leave the METRIC NAMESPACE at its default.

-For METRIC, scroll down to near the end of the list, and select Telemetry messages sent. Leave the AGGREGATION entry as Sum.

-n the top-right of the portal, change the Time range to Last 30 minutes, and click Apply.

-It's important to click Pin to dashboard, then Pin to current dashboard. If you do not pin a metric to a dashboard, it will not be persisted after you navigate away from the current dashboard. You should get a confirmation notification that the chart has been pinned.

2)Create an alert using the metrics and email action

-In the portal page for your IoT Hub, click Alerts.

-Select + New alert rule. This button will bring up the Create rule page.

-The RESOURCE entry should already have your IoT Hub name as the selection.

-Let's create the action group next. Click Create, in the ACTION GROUPS section.

-Then select the Email/SMS/Push/Voice for Action Type.

-For the Email/SMS/Push/Voice entry, click the Email checkbox, and enter the email address you want the alerts to go to.

-Leave the other entries blank, and click OK.

-Click OK again, to add the action group. You should now be back at the Create rule page. Now, click Add under CONDITION. In the Configure signal logic page, go to the last page of entries, and select Condition eg:Connected devices (preview).

-In the Configure signal logic page, locate the Operator entry, and change it to Greater than or equal to. Change the Aggregation type to Minimum, and the Threshold value to 1. Change the Aggregation granularity (Period) entry to 1 minute.

-Click Done.

-Add an Alert rule name, and a brief Description, to complete the Create rule page. Leave the Severity as Sev 3, and leave Enable rule upon creation as Yes. Now, click Create alert rule, noting the message it can take up to 10 minutes for this rule to become active.