

AZURE IOT HUB (NORTHBOUND) and IOTOD (EDM, EI DASHBOARD) OUTPUT:

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>> Reference Output received on Northbound Azure IOT Hub side in JSON format from different IOT gateways which are running with Cisco Edge intelligence application agent mapped with the Custom Data logic Script (.js) as shown in GitHub repo.

```
{
  "body": {
    "LT301B": {
      "ts": 1658850577965,
      "v": 55.234161376953125
    },
    "LZT101": {
      "ts": 1658850577965,
      "v": 61.486026763916016
    },
    "PZT2401": {
      "ts": 1658850577965,
      "v": 6.029730796813965
    },
    "TT303B": {
      "ts": 1658850577975,
      "v": -65.90711975097656
    },
    "TT501C": {
      "ts": 1658850577974,
      "v": -50.60000610351563
    }
  },
  "enqueuedTime": "Tue Jul 26 2022 11:49:40 GMT-0400 (Eastern Daylight Time)",
  "properties": {
    "deviceInfo": "{\\"Region\\":\\"Europe\\",\\"Country\\":\\"Germany\\",\\"CustomerId\\":\\"1d287c22-2fd1-4a96-ae21-cd35f4063f24\\",\\"StationId\\":\\"aaaaaaaa-6000-6000-6000-000000000003\\",\\"StationName\\":\\"Liquid 6\\"}"
  }
}
```

```
{
```

```

"body": {
  "LT301B": {
    "ts": 1658850577965,
    "v": 55.234161376953125
  },
  "LZT101": {
    "ts": 1658850577965,
    "v": 61.486026763916016
  },
  "PZT2401": {
    "ts": 1658850577965,
    "v": 6.029730796813965
  },
  "TT303B": {
    "ts": 1658850577975,
    "v": -65.90711975097656
  },
  "TT501C": {
    "ts": 1658850577974,
    "v": -50.60000610351563
  }
},
"enqueuedTime": "Tue Jul 26 2022 11:49:40 GMT-0400 (Eastern Daylight
Time)",
"properties": {
  "deviceInfo": "{\"Region\":\"Europe\",\"Country\":\"Germany\",\"CustomerId\":
\\\"1d287c22-2fd1-4a96-ae21-cd35f4063f24\\\",\\\"StationId\\\":
\\\"aaaaaaaa-6000-6000-6000-000000000003\\\",\\\"StationName\\\":\\\"Liquid
6\\\"}"
}
}

```

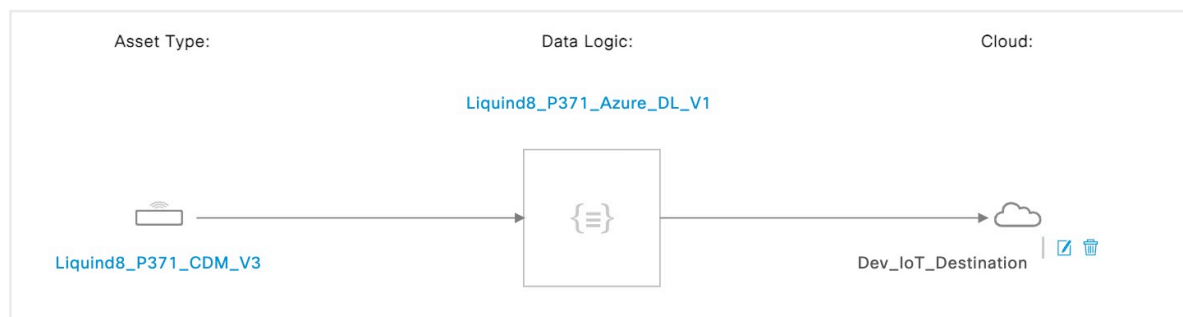
>> Sample reference output received on Azure IOT Hub side which is filtered using Device/gateway ID

```

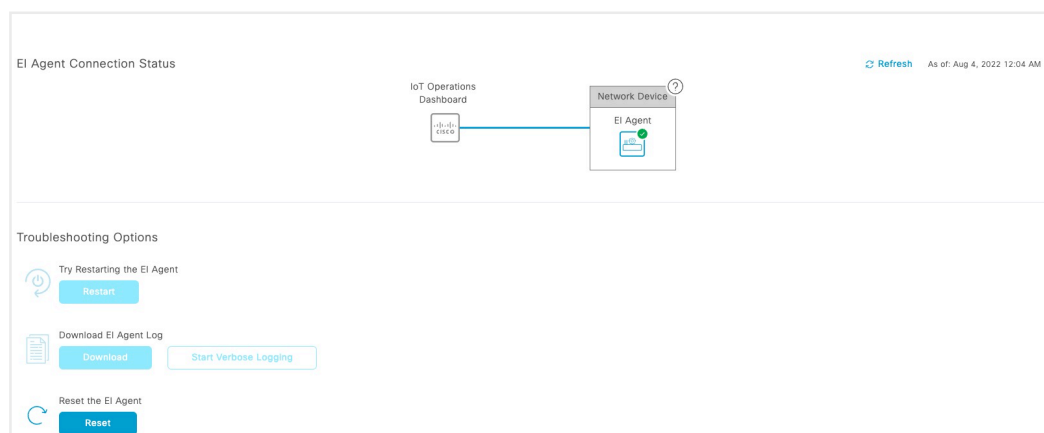
▼ node: {id: "f88498c3-ef66-42d3-aab8-eff0dcff388b", name: "BayWa1_P2X4_Azure", sourceType: "DEVICE",
  creationTime: 1646975833,
  deployedAgentCount: 1,
  deploymentInfos: [{status: "DEPLOYED", __typename: "PipelineDeploymentInfo"}],
  destination: {id: "5b07ef0d-606d-436f-a68f-0478e15bab14", label: "FSaaS_IOT_Dev", type: "DEVICE",
  deviceModel: {id: "ca09bd7e-2575-49da-933f-7f743dacb446", label: "BayWa1_VT", __typename: "DeviceDataPipeline",
  id: "f88498c3-ef66-42d3-aab8-eff0dcff388b",
  lastDeployedTime: 1648209389,
  name: "BayWa1_P2X4_Azure",
  numOfErrDeployments: 0,
  numOfRunningDeployments: 1,
  numOfUnknownDeployments: 0,
  sourceType: "DEVICE",
  updateTime: 1648705547,
  __typename: "DeviceDataPipeline",
  __typename: "DataPipelineEdge"

```

>> Sample illustration of the different OPC-USA PLC Assets which are mapped to the EI agent and the Customized Data logic script (.js) is mapped to this same EI agent for publishing the data to the Cloud. (Data Destination)



>> Successful representation of the EI Edge agent connection to the IOTOD Cloud.



>> Up and running fine /Online status of an EI agent.

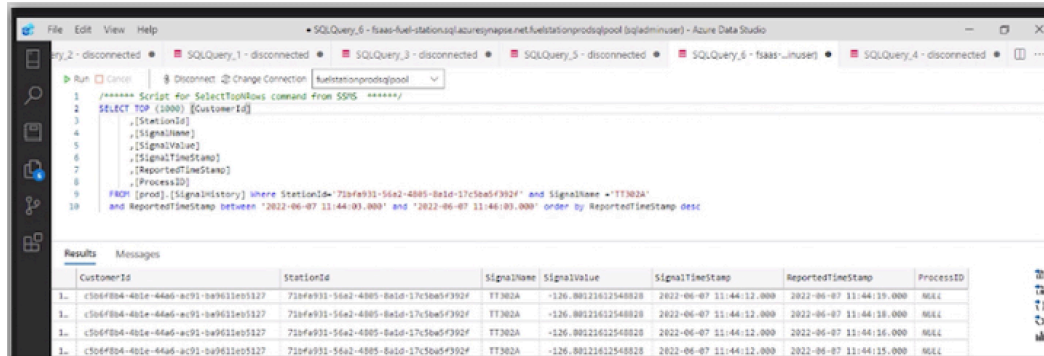
EI Agent Details

[Refresh](#) As of: Aug 4, 2022 12:05 AM

Version 1.8.0
 Agent Status ● Online
 Network Device Model IRT1101-K9
 Start Time 2022-08-01T16:01:56.868+00:00

[View More Network Device Details](#)

>> Sample Log from SQL Query on the Northbound Azure IOT Hub side.



The screenshot shows the Azure Data Studio interface with a SQL query executed against a database. The query selects the top 10 rows from a table named 'SignalHistory' based on the 'ReportedTimestamp' in descending order. The results are displayed in a table with columns: CustomerId, StationId, SignalName, SignalValue, SignalTimestamp, ReportedTimestamp, and ProcessID.

CustomerId	StationId	SignalName	SignalValue	SignalTimestamp	ReportedTimestamp	ProcessID
c504f8b4-4b1e-44a6-ac91-ba9611e05127	710fa931-56a2-4805-8a1d-17c5ba5f392f	TT302A	-126.88121612548828	2022-06-07 11:44:12.000	2022-06-07 11:44:13.000	MOEL
c504f8b4-4b1e-44a6-ac91-ba9611e05127	710fa931-56a2-4805-8a1d-17c5ba5f392f	TT302A	-126.88121612548828	2022-06-07 11:44:12.000	2022-06-07 11:44:13.000	MOEL
c504f8b4-4b1e-44a6-ac91-ba9611e05127	710fa931-56a2-4805-8a1d-17c5ba5f392f	TT302A	-126.88121612548828	2022-06-07 11:44:12.000	2022-06-07 11:44:13.000	MOEL
c504f8b4-4b1e-44a6-ac91-ba9611e05127	710fa931-56a2-4805-8a1d-17c5ba5f392f	TT302A	-126.88121612548828	2022-06-07 11:44:12.000	2022-06-07 11:44:13.000	MOEL