# Basic ErrorHandler workflow

**Error Payload description**

```
{
  "type": "record",
  "name": "EnterpriseErrorMessage",
  "namespace": "com.employbridge.tango.errorhandlingservice",
  "doc": "The data structure used to contain error related information used by all EmployBridge services",
  "fields": [
    {
      "name": "enterpriseId",
      "type": [
        "null",
        "string"
      ],
      "doc": "Id generated and used by IMS"
    },
    {
      "name": "errorMessageId",
      "type": [
        "null",
        "string"
      ],
      "doc": "A unique Id generated by the system in which the error occurred"
    },
    {
      "name": "timeOfError",
      "type": [
        "null",
        "string"
      ],
      "doc": "The timestamp at which the error occurred."
    },
    {
      "name": "errorDescription",
      "type": [
        "null",
        "string"
      ],
      "doc": "Detailed description of error, can include stacktraces, or any relevant information.",
      "default": null
    },
    {
      "name": "systemOfError",
      "type": [
        "null",
        "string"
      ],
      "doc": "The name of the system where the error occurred"
    },
    {
      "name": "entityOfError",
      "type": [
        "null",
        "string"
      ],
      "doc": "The name of the entity that was being processed when the error occurred"
    },
    {
      "name": "systemOfDataOrigin",
      "type": [
        "null",
        "string"
      ],
      "doc": "The system that originated the data"
    },
    {
      "name": "errorCallbackLocations",
      "type": [
        "null",
        {
          "type": "array",
          "items": "string"
        }
      ]
    },
    {
      "name": "customPayload",
      "type": [
        "null",
        {
          "type": "array",
          "items": {
            "type": "map",
            "values": [
              "null",
              "string"
            ]
          }
        }
      ]
    }
  ]
}
```

Kafka topic → Salesforce

**header** error callback location
**header** system of record

- ingest data from topic
- transform data into SF format
- write data to SF

if any processing error occurs
- gather info about the error
- create error message payload
- add error details to payload
- add Kafka header values to payload
- write error to Kafka

tango.dev.integrationHub-ht-errorHandler-routableErrorOccured.0.0 → Enterprise Error Handler Service

- ingest error
- log error payload
- extract error callback location
- write error to Kafka

tango.dev.bullhorn-error.v1.0 → Bullhorn

- ingest error
- log error
- send alert to BH user/admin
- apply other business rules

Text