# Google Cloud

Edge Logging

Edge Logging Services

- One of the best ways to track issues, problems is through log messages.

- To log custom messages to disk (Private Cloud) or to Syslog, you can use the Message Logging policy.

- File logging is supported only in Edge for Private Cloud deployments. It's not available in Edge cloud. However, Syslog is available in both Edge Cloud and Edge for Private Cloud.

- The different options available are:

    - Syslog

    - Syslog (over TLS)

    - File Rotation - time, size, both

Edge Logging Services

- Consider placing the policy in the ProxyEndpoint response, in a special flow called PostClientFlow.

- The PostClientFlow executes **after** the response is sent to the requesting client, which ensures that all metrics are available for logging and does not impact the response time to the client.
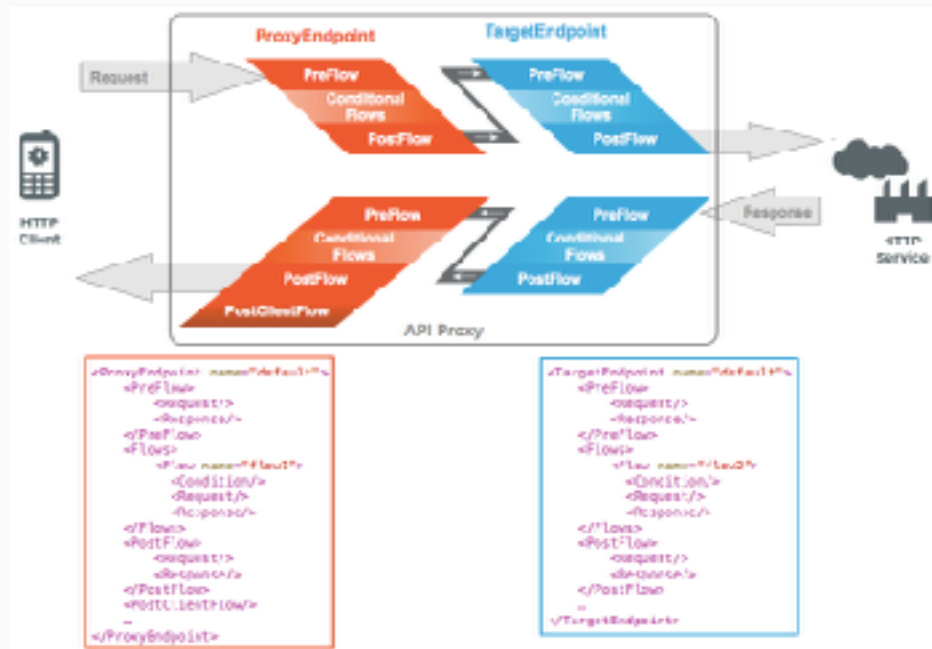
Edge Logging Services

- The Message Logging policy lets you send syslog messages to third-party log management services

- Some of the log management service providers are:

    ○ Splunk

    ○ Sumo Logic

    ○ Loggly

    ○ Stackdriver

- You can find all the above integrations on [Apigee community](#)

Edge Logging Services

For error handling, the best practice is to trap the errorcode part of the error response

```json
{
   "fault":{
      "detail":{

"errorcode":"steps.messagelogging.StepDefinitionExecutionFailed"
      },
      "faultstring":"Execution failed"
   }
}
```

```xml
<FaultRule name="MessageLogging">
    <Step>
        <Name>ML-LogMessages</Name>
        <Condition>(fault.name Matches
"StepDefinitionExecutionFailed") </Condition>
    </Step>
    <Condition>(messagelogging.ML-LogMessages.failed = true) </
Condition>
</FaultRule>
```

Lab

TBD

THANK YOU