

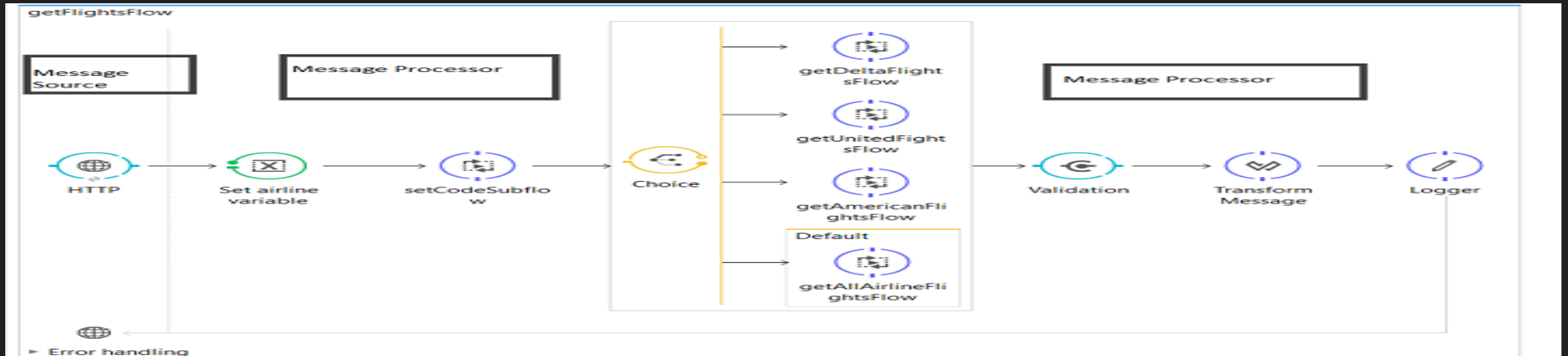
# Introducing Mule Application & API

# Mule Applications

- Mule applications can consists of single flow, multiple flow and multiple flow connected together.
- Typical Mule flow consists of Message Source and Message Processor.
- **Message Source** accept the message from external source and triggers the flow.
- **Message Processor** includes Transform, Enrich, Filters and process the message.

# Mule Applications

- Mule applications accept message and process through series of processor in flow.
- Mule applications can be tested and deployed visually.



# Mule Applications

- Mule applications are written in xml.
- Mule applications are deployed to Mule runtime.
- Mule applications can be deploy on premise as well as cloud hub.

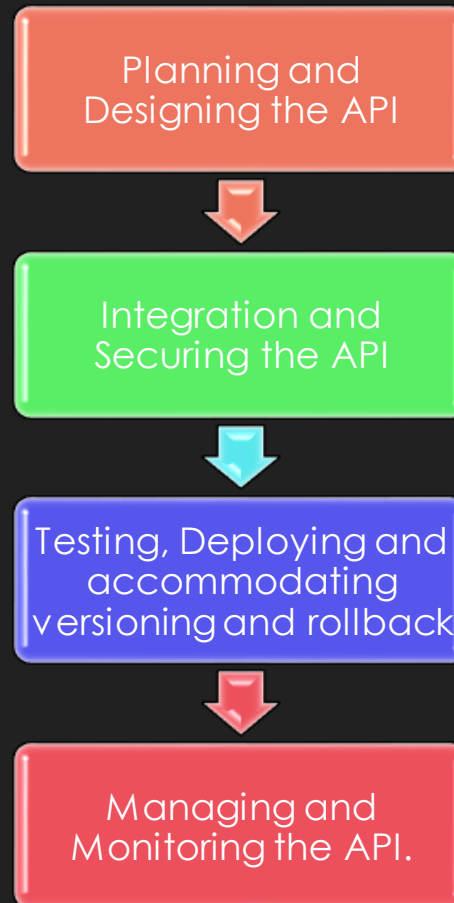
# Mule Runtime

- JVM servers that handle concurrent requests from different Mule applications in one JVM.
- It enforces policies for API governance.
- Decouples point to point integrations by having all (non-mule) applications talk to bus (Mule runtime) instead directly to each other.
- Mule Runtime Editions : Enterprise Edition and Community Edition.
- Community Edition is open source.
- Enterprise Edition provide many features like 24X7 support, extra connectors, batch module, Data Weave, Data Sense, visual debugging, templates, deployment and performance management.

# Anypoint Studio

- Anypoint Studio is Eclipse Based integration development environment.
- Provide pre built connectors to connect SaaS application like Salesforce, many standard protocols (file, ftp, http, https, sftp etc.).
- Data Transformation Framework and Language.
- Visual Debugging (EE).
- Maven Support.
- One click deployment
- Building blocks like connectors, scopes, filters, components, transformers, flow control, error handling.

# Lifecycle of Mule API



# Mule API

- Mule API can designed using RAML.
- RAML is very simple, standard, reuse for designing the Rest API's.
- Mule API supports various http method like GET, POST, PUT, PATCH, DELETE.
- Mulesoft provide online IDE for designing the Rest API (i.e. Anypoint API Manager).
- Rest API can be published using Anypoint portal publicly or privately.
- The Anypoint Studio APIkit plugin can generate an interface automatically from a RAML API definition





**Thank You**