

## At the end of this module, you should be able to

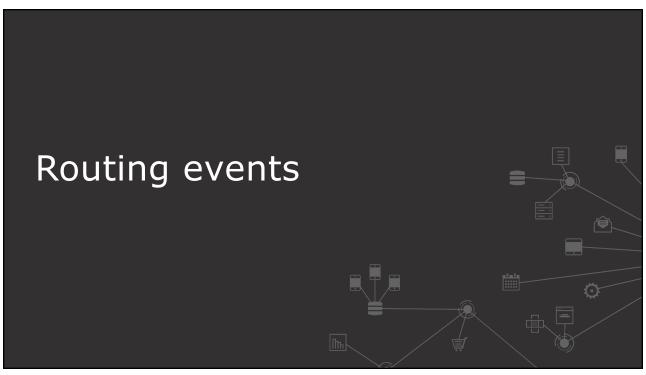


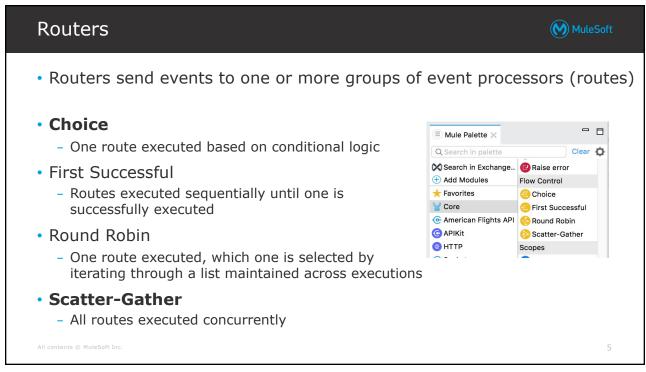
- Multicast events
- Route events based on conditions
- Validate events

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Multicasting events

## The Scatter-Gather router



- Scatter-Gather sends the event to each route concurrently and returns a collection of all results
- Collection is an object of objects
  - Each object contains attributes and payload from each Mule event returned from a flow

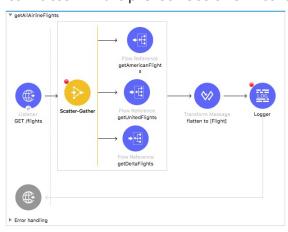
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## Walkthrough 9-1: Multicast an event

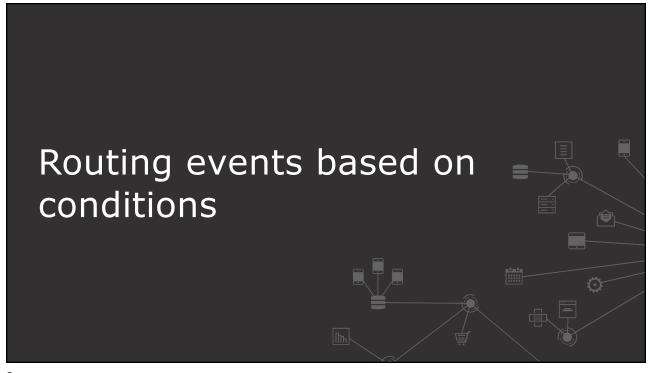


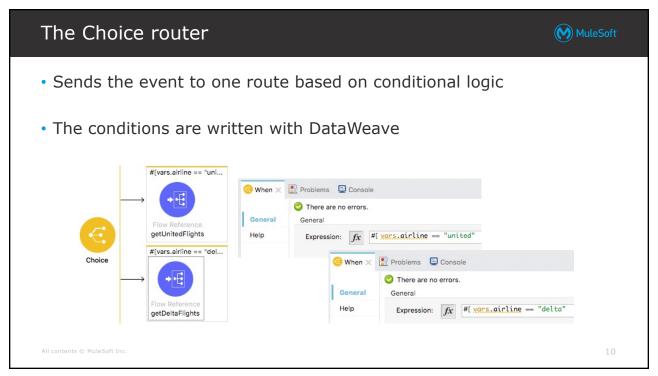
- Use a Scatter-Gather router to concurrently call all three flight services
- Use DataWeave to flatten multiple collections into one collection

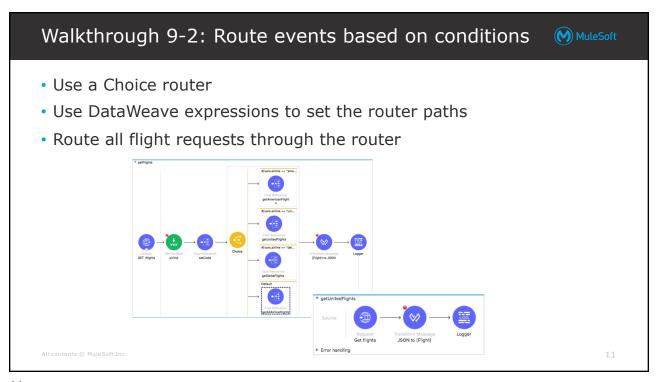


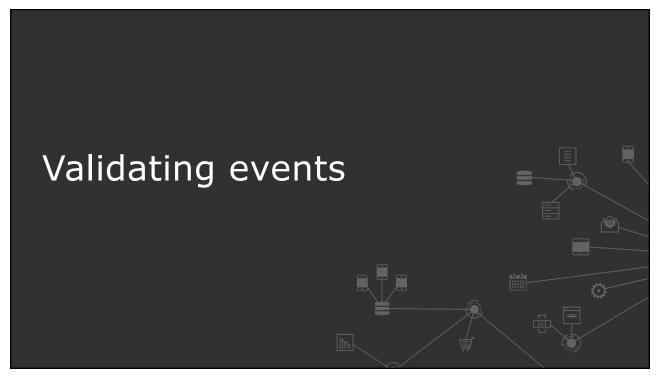
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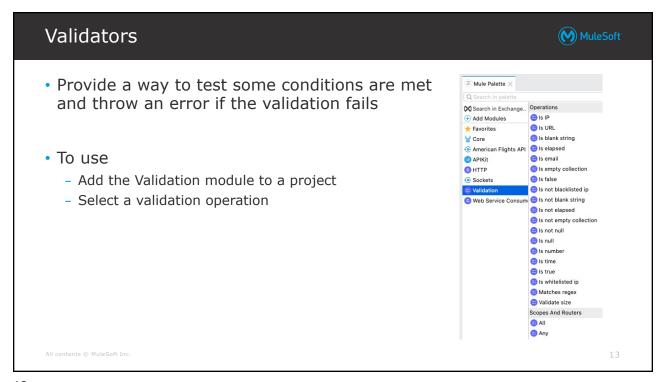
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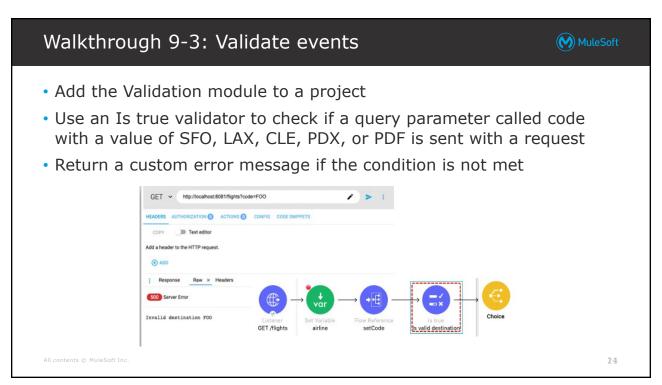


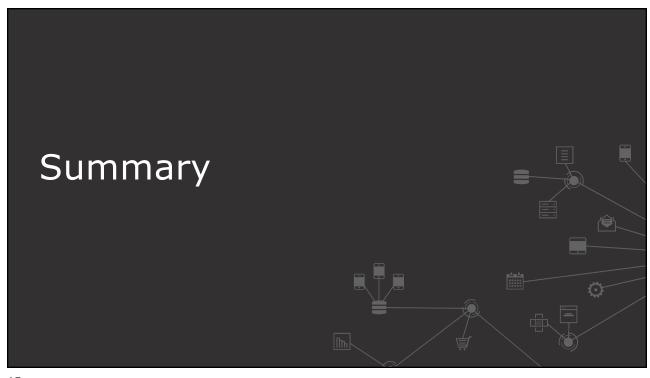












## Summary



- · Use different routers and validators to control event flow
- Use the Choice router to send an event to one route based on conditional logic
- Use the Scatter-Gather router to send an event concurrently to multiple routes
  - A collection of all results is returned
  - Use DataWeave to flatten the collection
- Use the Validation module to specify whether an event can proceed in a flow

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