

# Message Driven Architecture in Grails

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## ABOUT ME

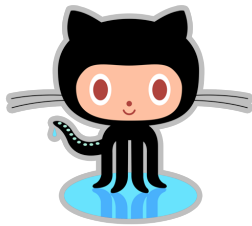


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## QUICK OVERVIEW: SPRING INTEGRATION



## SPRING INTEGRATION: GRAILS PLUGINS

✓ Grails `events-si` plugin

## APPROACH TO MESSAGE DRIVEN ARCHITECTURE IN GRAILS

- BUILD THE SKELETON OF THE APPLICATION AS A  
MESSAGING PIPELINE

Create  
Account

Deposit  
Money



Withdraw  
Money

Transfer  
Money

Withdraw  
Money

- ✓ Request Authorization
- ✓ Fund Validation
- ✓ Fund Withdrawal
- ✓ Fund Delivery



WHY GO MESSAGE DRIVEN?

## BUILDING THE FRAME

## IMPLEMENTING THE WORKFLOW

springone *2GX*

# Message Driven Architecture in Grails



```
<!-- Data Translation Gateway -->
<gateway id="dataTranslationGateway"
  default-request-channel="data-transform-input"
  service-interface="com.manning.cps.model.DataTranslationGateway"/>

<!-- Source Content List Splitter -->
<splitter input-channel="data-transform-input" output-channel="data-transform" expression="payload.sourceFiles" />

<!-- Atomic Data Transformation Workflow -->
<chain input-channel="data-transform">
  <recipient-list-router>
    <recipient channel="data-transform-msword" selector-expression="payload.filename.endsWith('docx')"/>
    <recipient channel="data-transform-docbook" selector-expression="payload.filename.endsWith('dbook')"/>
    <recipient channel="data-transform-noop" selector-expression="!payload.filename.endsWith('docx')"/>
  </recipient-list-router>
</chain>
```

THANK YOU

