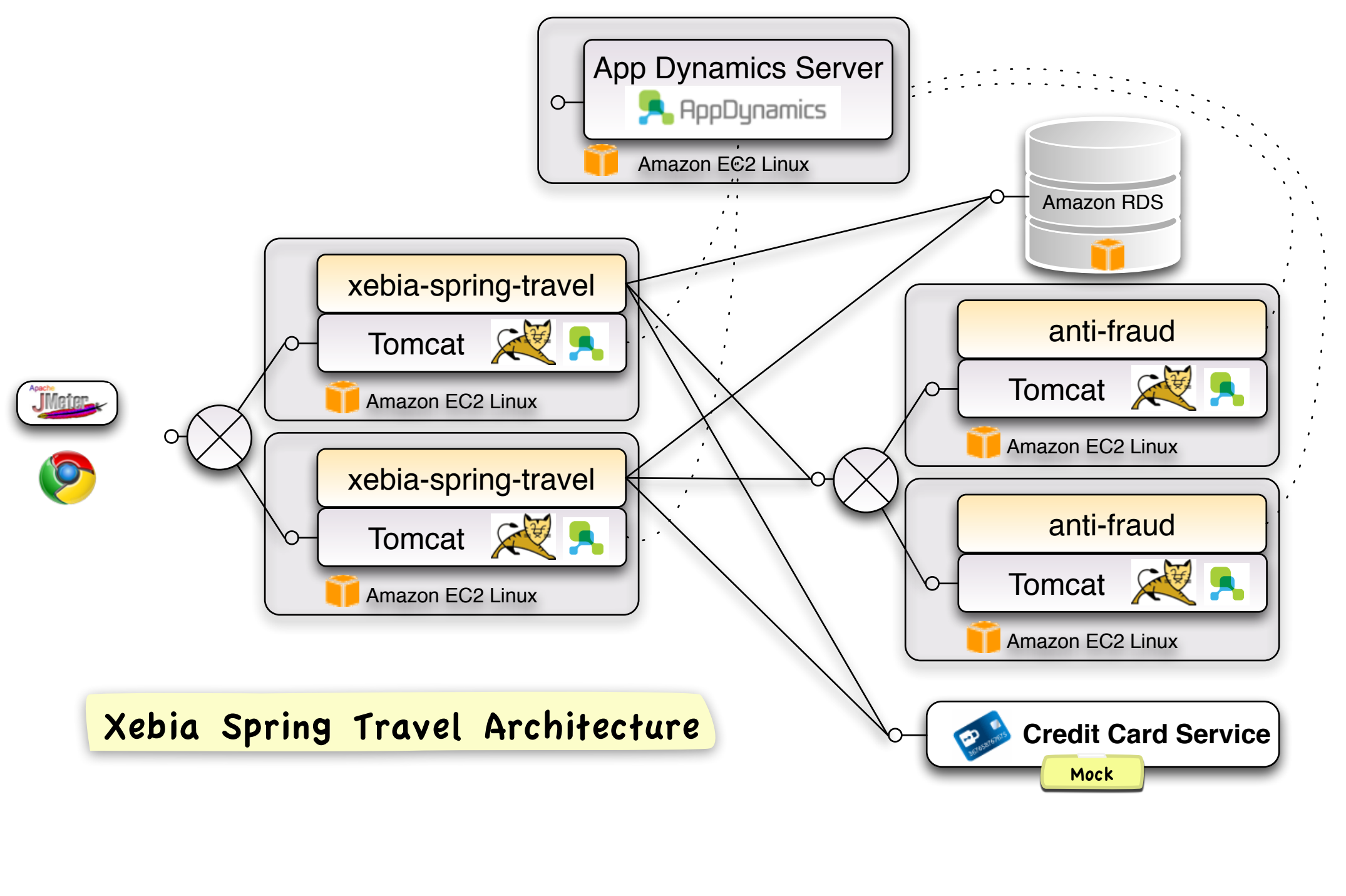
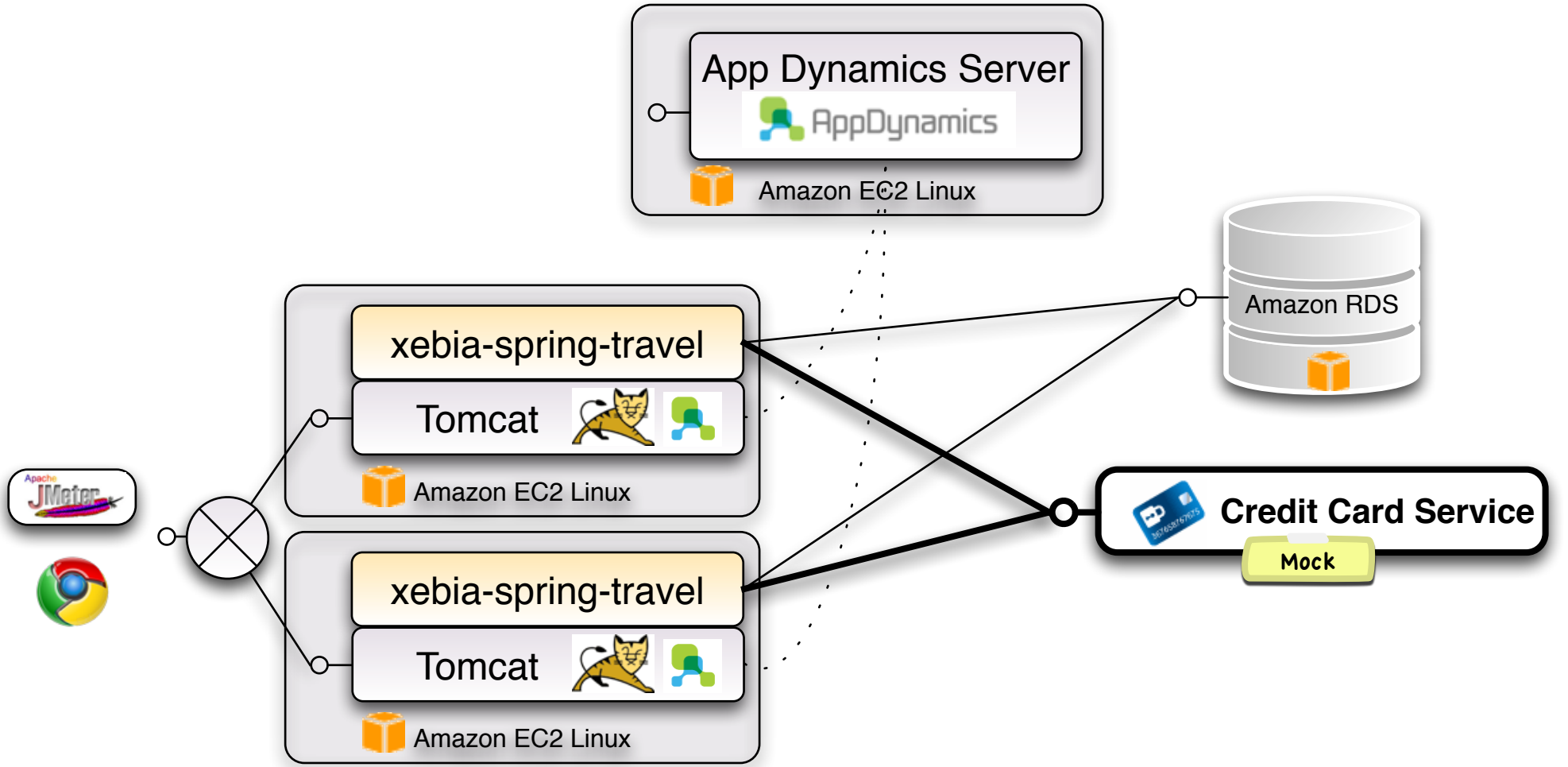
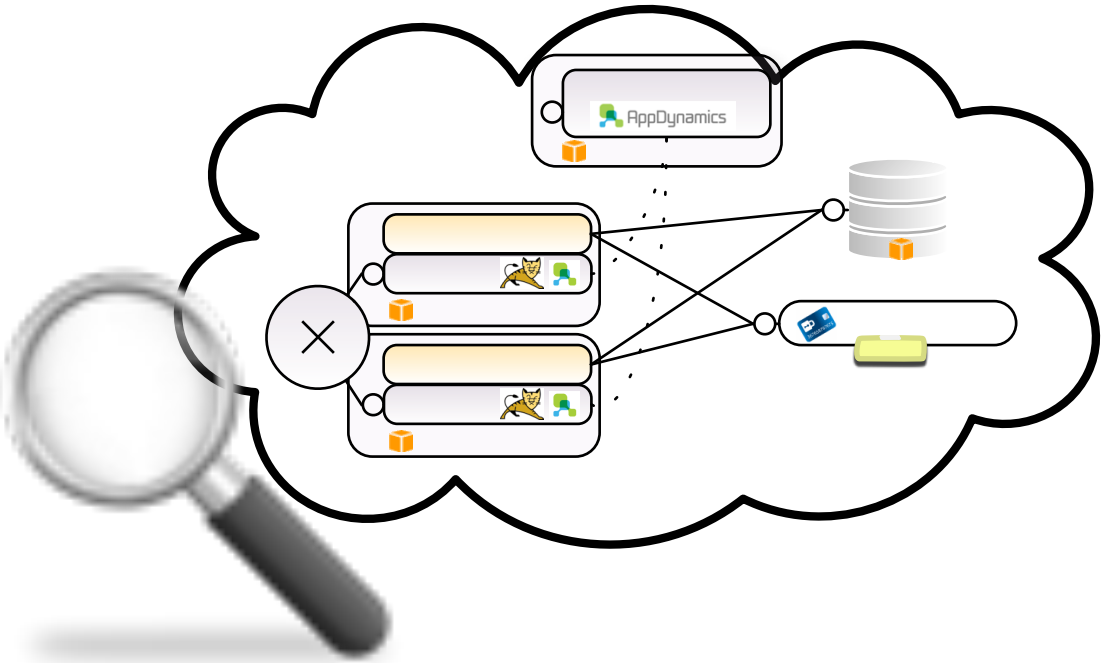

App Dynamics Server
AppDynamics
Amazon EC2 Linux
Amazon RDS
xebia-spring-travel
Tomcat
Amazon EC2 Linux
xebia-spring-travel
Tomcat
Amazon EC2 Linux
anti-fraud
Tomcat
Amazon EC2 Linux
anti-fraud
Tomcat
Amazon EC2 Linux
Apache JMeter
Credit Card Service
Mock
Xebia Spring Travel Architecture



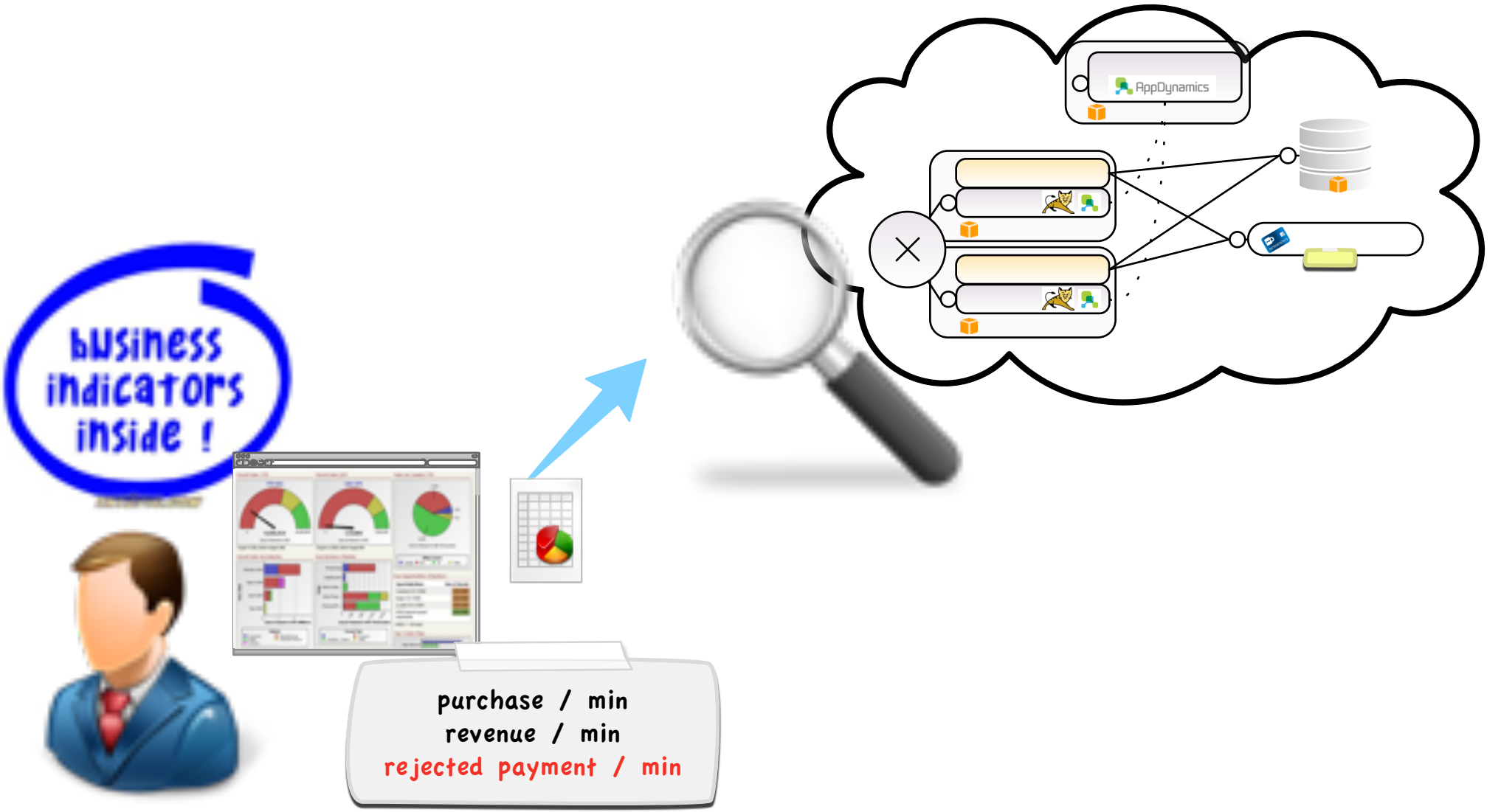
Part 1 : Simplified Architecture

technical indicators inside !

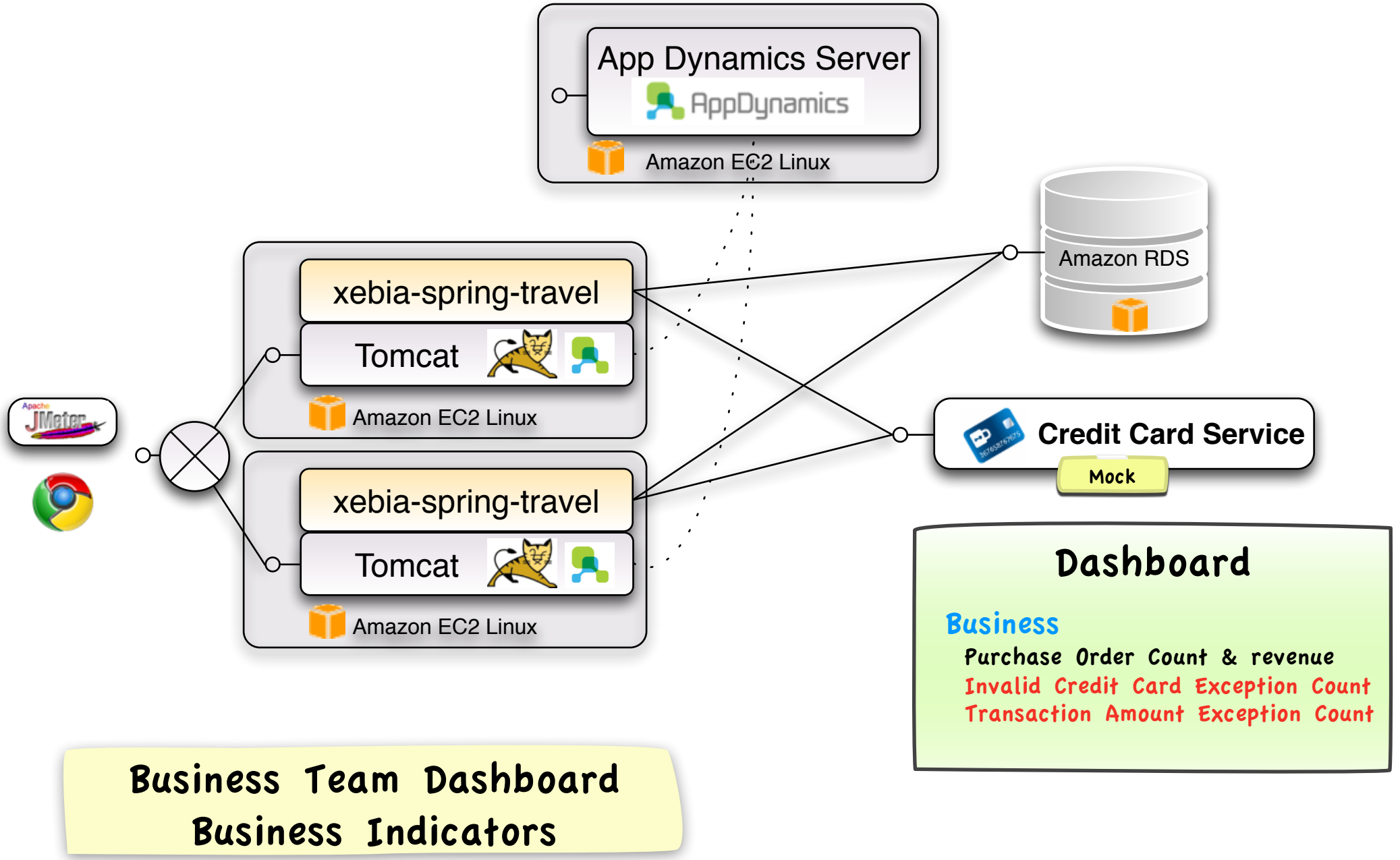
CPU, disk, db pool
requests/min
404, 500 errors count



Operations Team Dashboard
Technical Indicators



Business Team Dashboard
Business Indicators & Trends / KPI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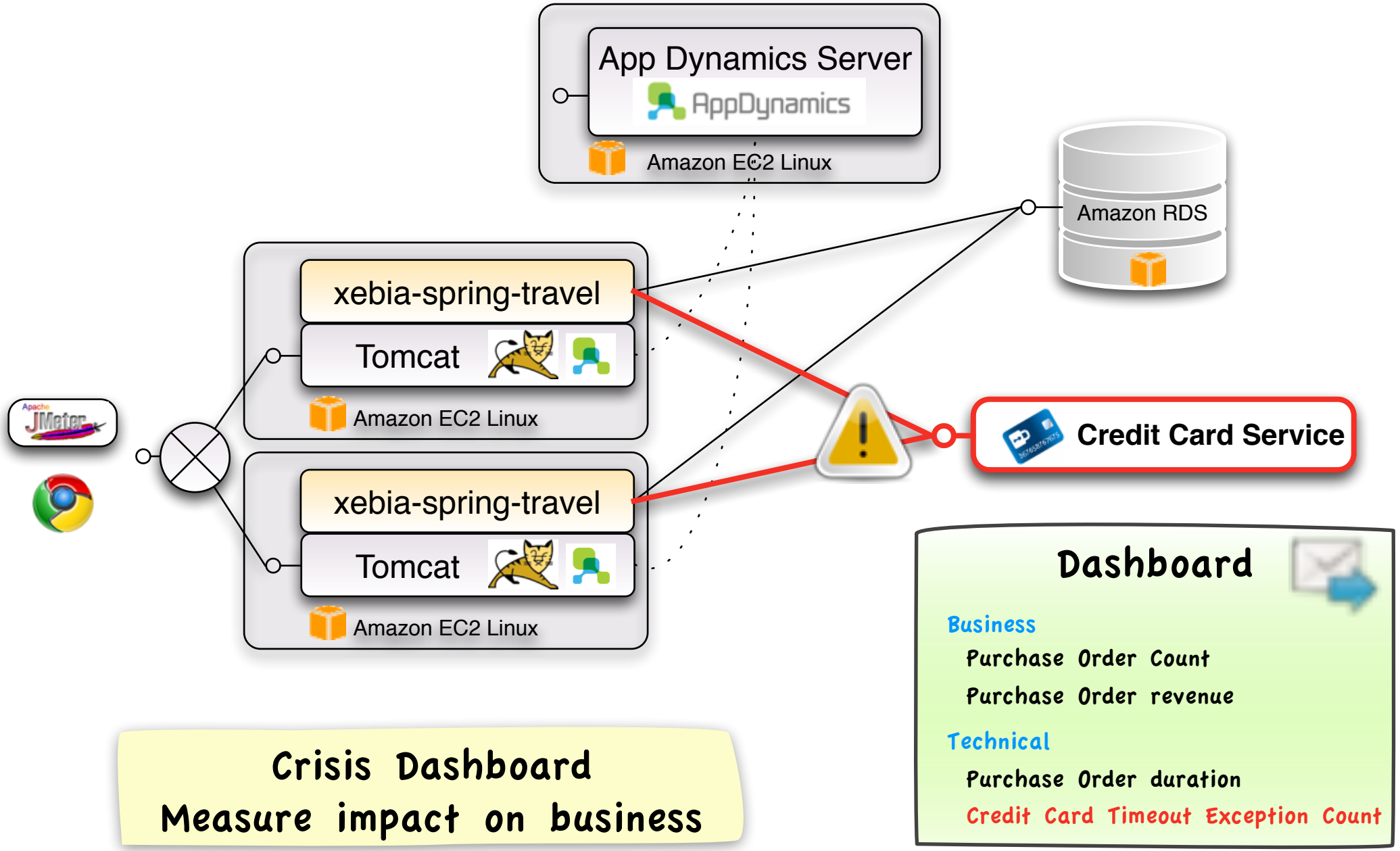
xebia-spring-travel
Tomcat
Amazon EC2 Linux
Credit Card Service
Mock
Dashboard
Business
Purchase Order Count & revenue
Invalid Credit Card Exception Count
Transaction Amount Exception Count
Business Team Dashboard
Business Indicators


App Dynamics Server
AppDynamics
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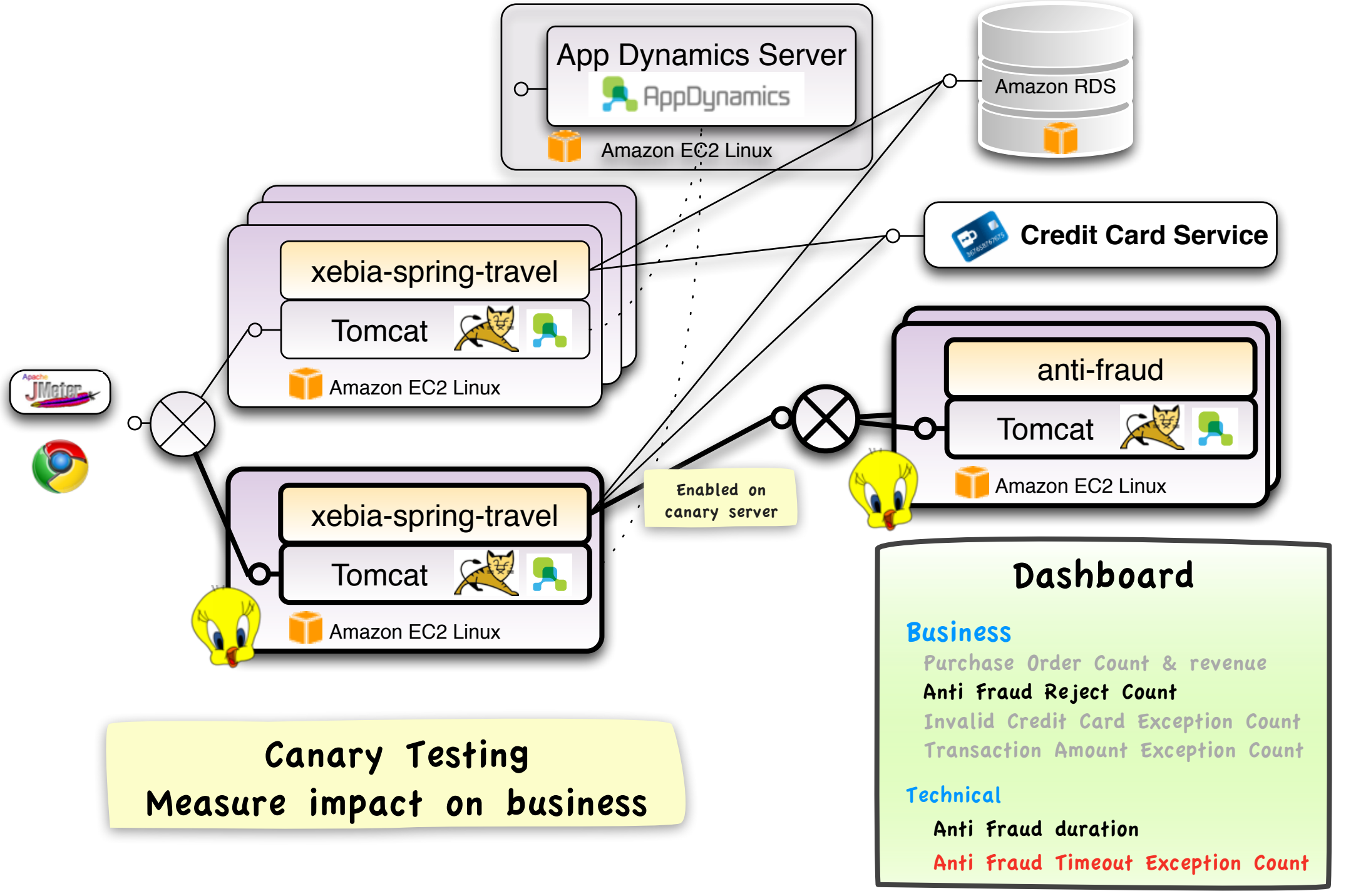
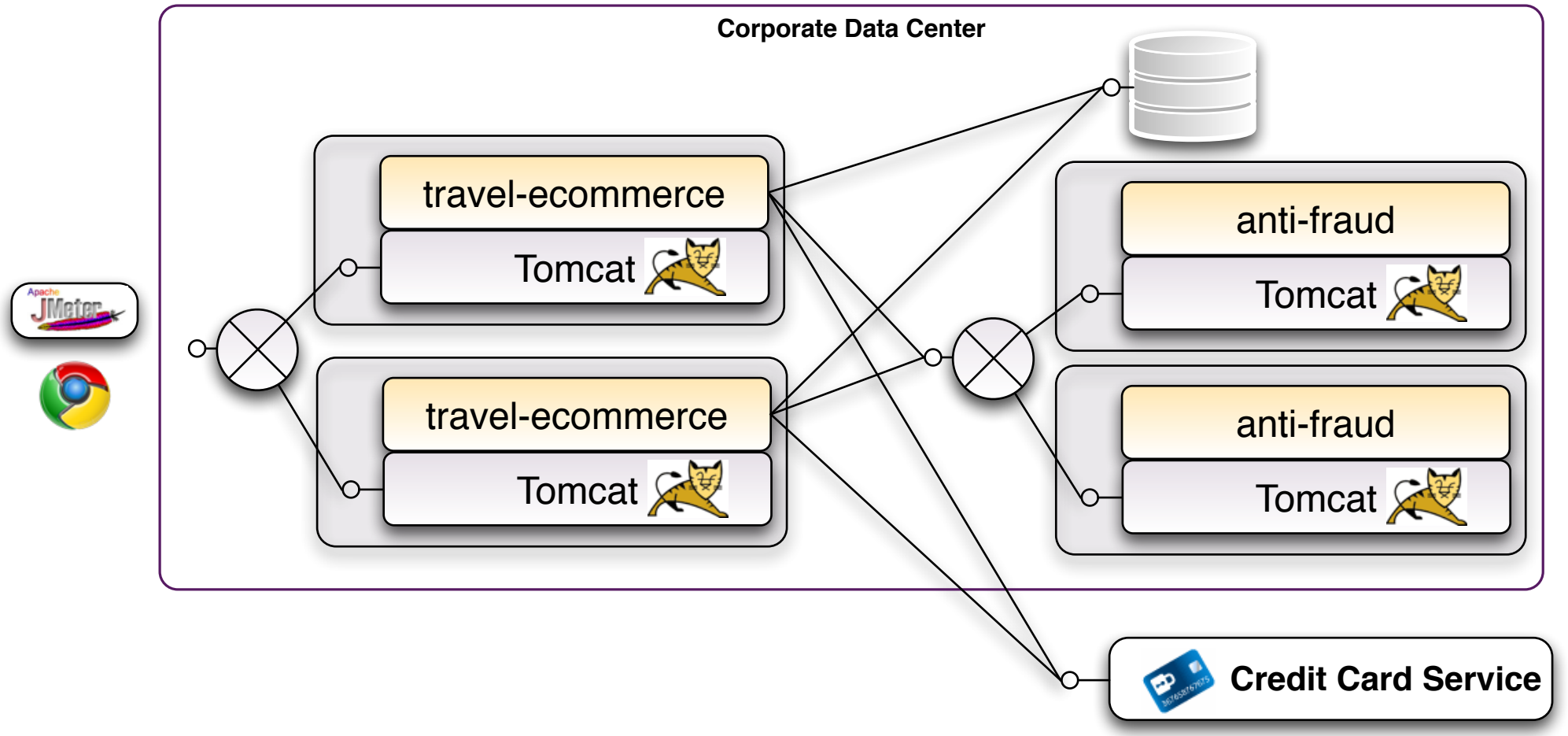
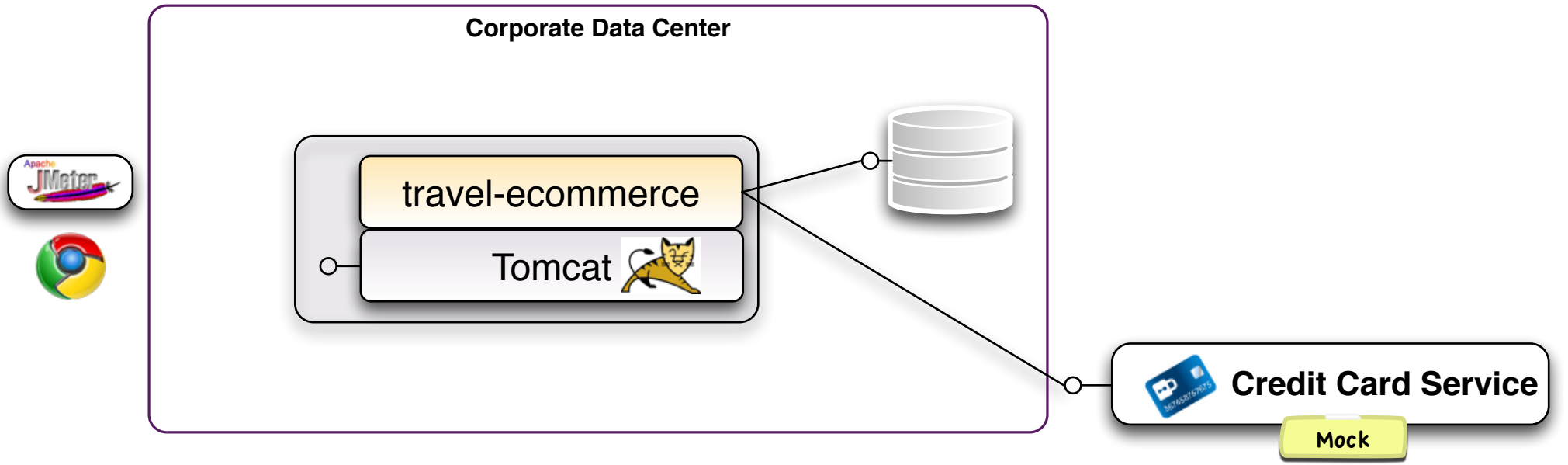
xebia-spring-travel
Tomcat
Amazon EC2 Linux
xebia-spring-travel
Tomcat
Amazon EC2 Linux
Credit Card Service
Apache JMeter
Dashboard
Business
Purchase Order Count
Purchase Order revenue
Technical
Purchase Order duration
Credit Card Timeout Exception Count
Crisis Dashboard
Measure impact on business

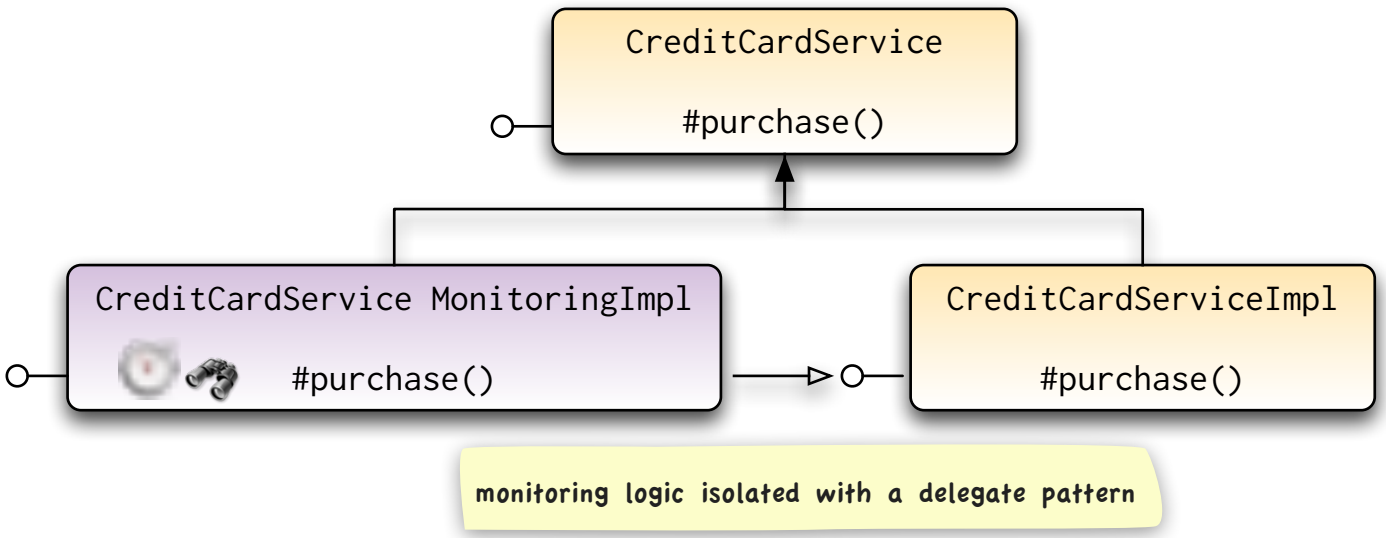

App Dynamics Server
AppDynamics
Amazon EC2 Linux
Amazon RDS
xebia-spring-travel
Tomcat
Amazon EC2 Linux
Credit Card Service
anti-fraud
Tomcat
Amazon EC2 Linux
xebia-spring-travel
Tomcat
Amazon EC2 Linux
Enabled on canary server
Canary Testing
Measure impact on business
Dashboard
Business
Purchase Order Count & revenue
Anti Fraud Reject Count
Invalid Credit Card Exception Count
Transaction Amount Exception Count
Technical
Anti Fraud duration
Anti Fraud Timeout Exception Count

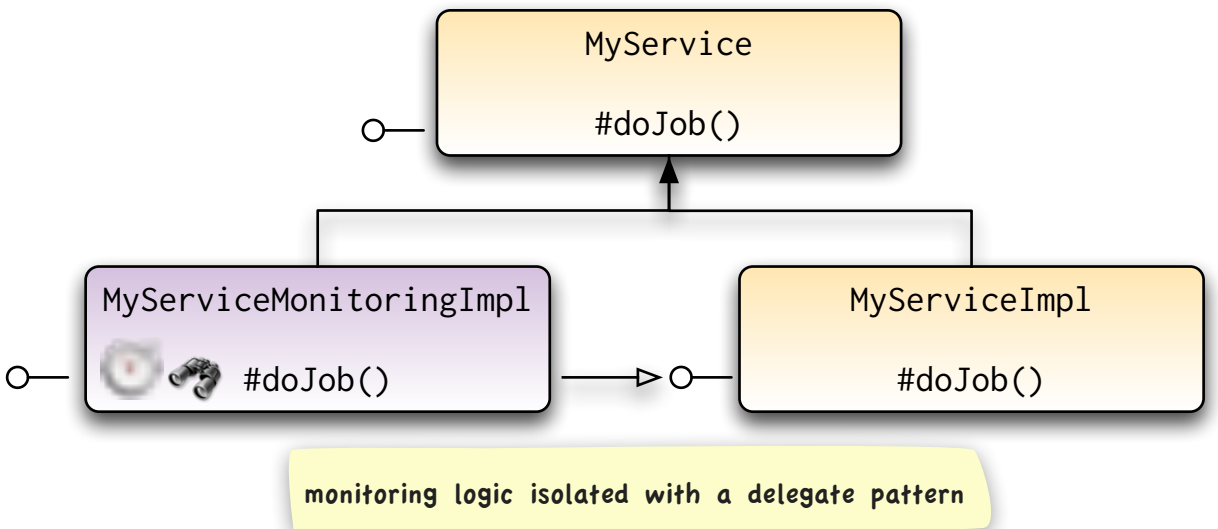


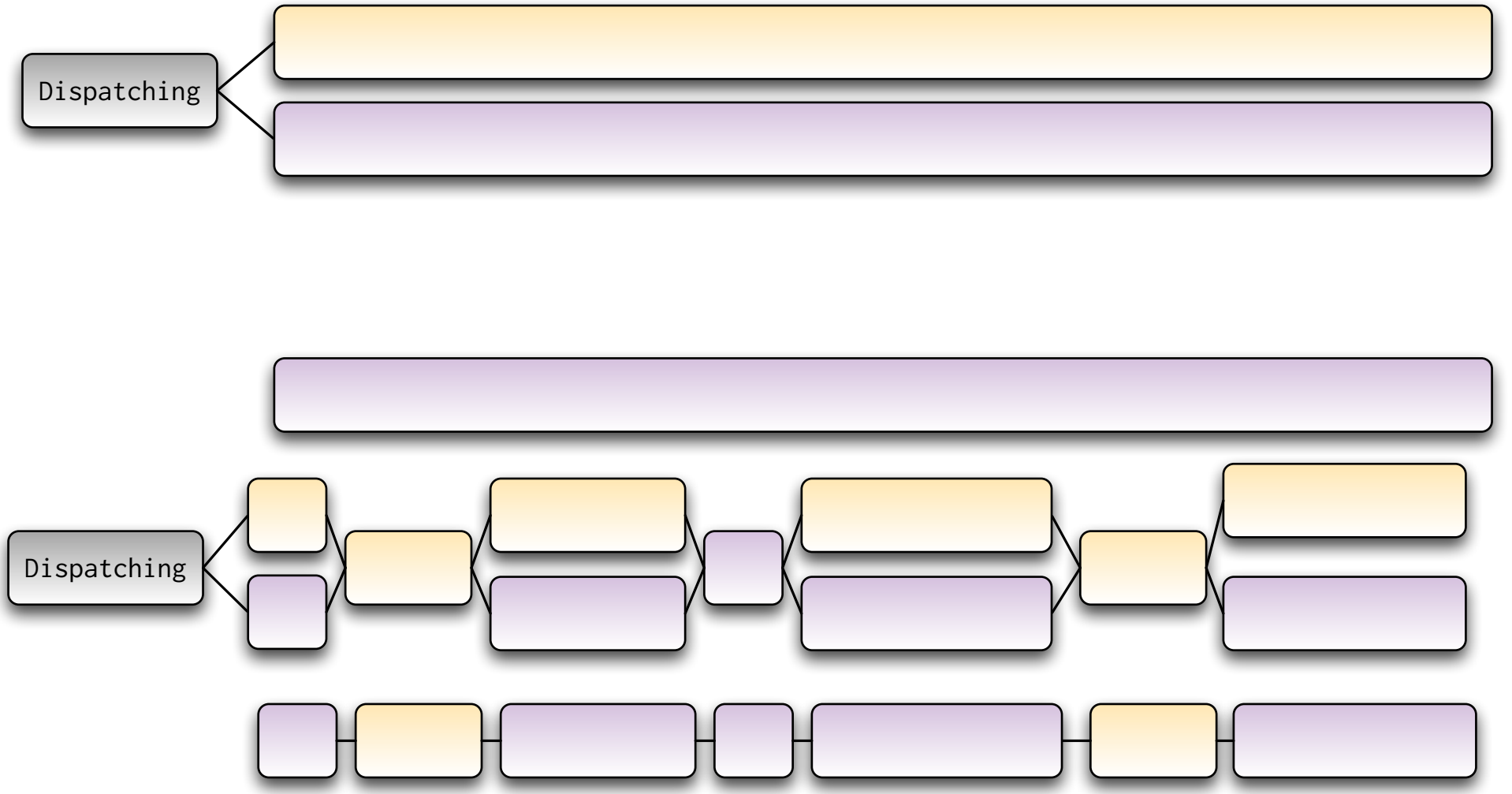
Travel Application Architecture

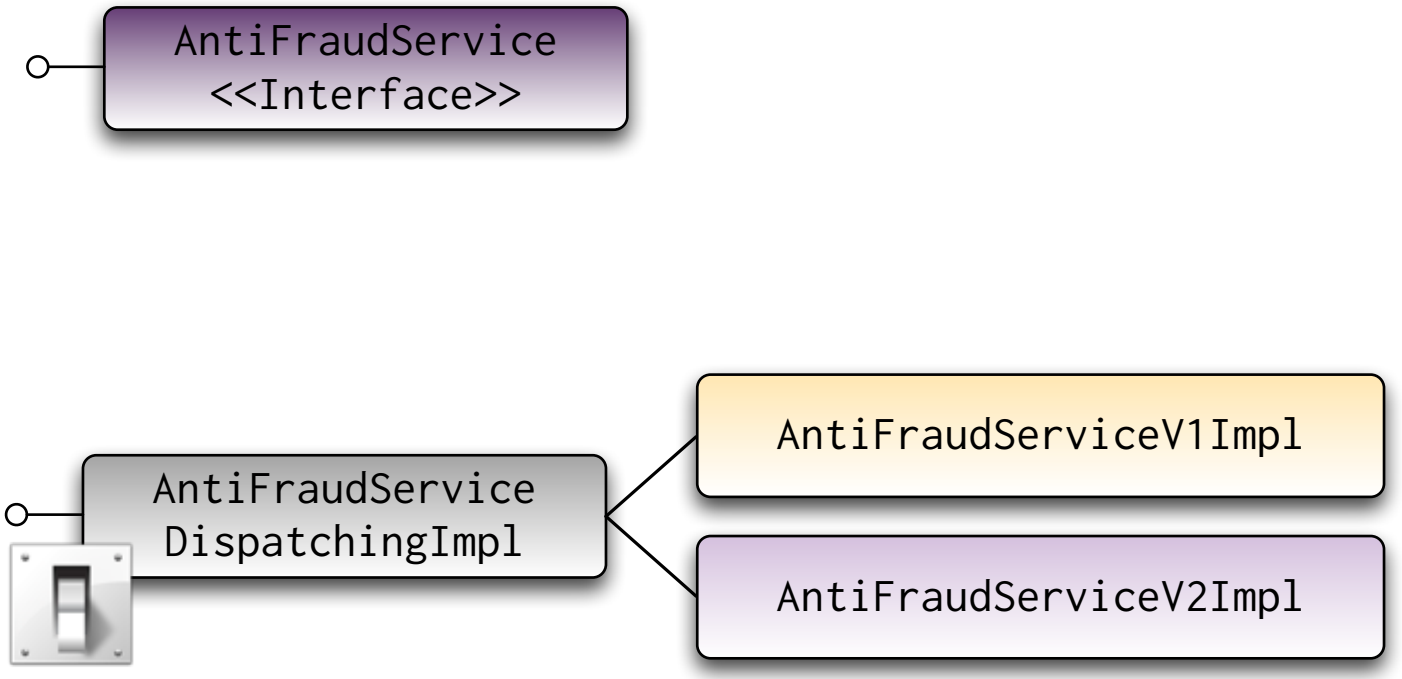


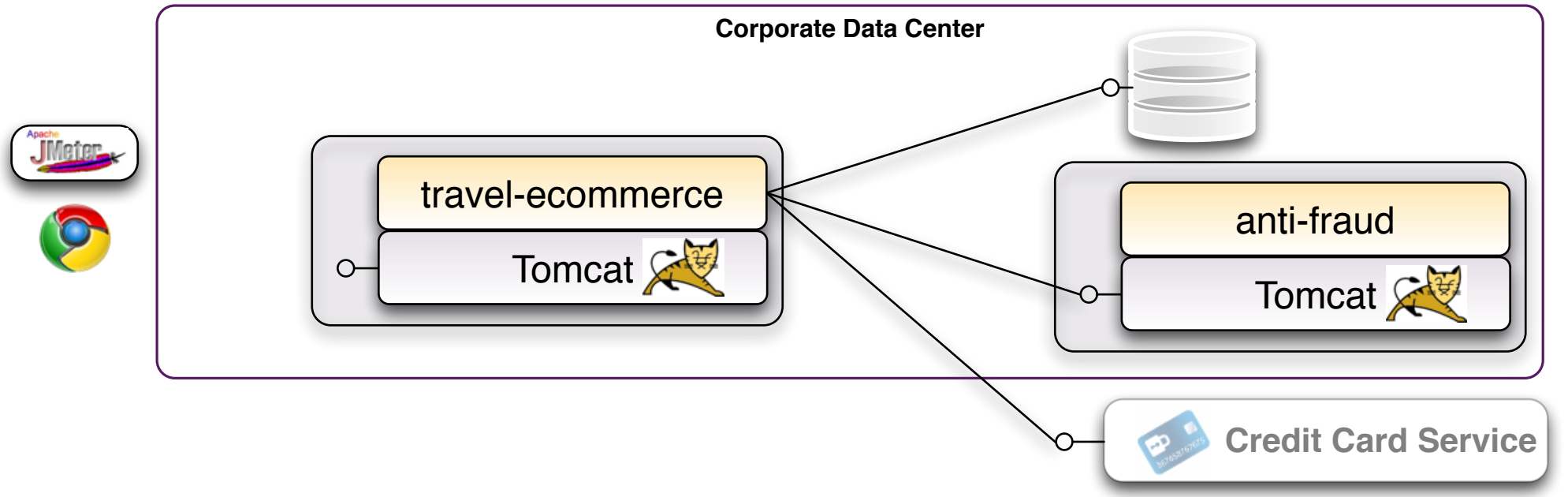
Simplified Travel Application Architecture


CreditCardService
#purchase()
CreditCardService MonitoringImpl
#purchase()
CreditCardServiceImpl
#purchase()
monitoring logic isolated with a delegate pattern


MyService
#doJob()
MyServiceMonitoringImpl
#doJob()
MyServiceImpl
#doJob()
monitoring logic isolated with a delegate pattern


Dispatching
Dispatching
version 1
version 2


AntiFraudService
<<Interface>>
AntiFraudService
DispatchingImpl
AntiFraudServiceV1Impl
AntiFraudServiceV2Impl



Travel Application Architecture