

STSWorkspace - d-customerrelationshipmanagement/src/main/java/com/citina/usrao/customerrelationshipmanagement/config/GCIAuditAspect.java - Spring Tool Suite 4

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170041\_usrao [170041\_usrao master]

am-d-sevicingorder [boot] [am-d-sevicingorder master]

src/main/java

- com.citina.usrao.event
- com.citina.usrao.servicingorder
- com.citina.usrao.servicingorder.config
- com.citina.usrao.servicingorder.service
- com.citina.usrao.servicingorder.exception
- com.citina.usrao.servicingorder.model.dto
- com.citina.usrao.servicingorder.modelimpls
- com.citina.usrao.servicingorder.modelimpls
- com.citina.usrao.servicingorder.rest.controller
- com.usrao.ServicingOrderAPI.java
- com.usrao.ServicingOrderAPIController.java
- com.citina.usrao.servicingorder.service
- com.citina.usrao.servicingorder.service.gcif
- com.citina.usrao.servicingorder.service.ipnacs
- com.citina.usrao.servicingorder.service.tps
- com.citina.usrao.servicingorder.util
- com.citina.usrao.servicingorder.validator

src/test/java

JRE System Library [JavaSE-1.8]

Maven Dependencies

src/main/resources

target/generated-sources/annotations

target/generated-test-sources/test-annotations

api-gateway

app-tests

app-configs

app-info

manifests

performance-tests

src

target

- hotfix.pcfConfig.pipeline.yml
- hotfix.springBoot\_pipeline.yml
- master.pcfConfig.pipeline.yml
- master.springBoot\_pipeline.yml

pom.xml

README.md

upcoming\_pcfConfig\_pipeline.yml

upcoming.springBoot\_pipeline.yml

com.citina.171384.usraletapi.checkbook.component (in CommonUtility [usrao-utility\_repo feature/URS-584])

frd-cmf-eureka-client (frd-cmf-eureka-client-boot)

```
45     HttpServletRequest httpRequest = ((ServletRequestAttributes) RequestContextHolder.currentRequestAttributes()).  
46             .getRequest();  
47  
48     GCIAuditEvent gcifAuditEvent = populateGCIAuditEvent(httpRequest, requestArguements, responseObject);  
49  
50     apiAuditLogger(gcifAuditEvent);  
51  
52     return responseObject;  
53 }  
54  
55 public void apiAuditLogger(GCIAuditEvent gcifAuditEvent) {  
56     try {  
57         logger.info("GCIF Audit Logging Started");  
58         GCIAuditEventPublisher event = new GCIAuditEventPublisher();  
59         event.setGcifAuditEvent(gcifAuditEvent);  
60         publisher.publishEvent(event);  
61         logger.info("GCIF Audit Logging Completed");  
62     } catch (Exception e) {  
63         logger.error("Exception occurred while logging GCIF Audit {}", e);  
64     }  
65 }  
66  
67  
68 public GCIAuditEvent populateGCIAuditEvent(HttpServletRequest httpRequest, Object[] requestArguements,  
69                                         Object responseObject) {  
70  
71     String uuid = httpRequest.getHeader("uuid");  
72     String channelID = httpRequest.getHeader("channelID");  
73     String mliNumber = (String) requestArguements[1];  
74     String mliName = "";  
75  
76     String requestBody = "";  
77     String responseBody = "";  
78     try {  
79         requestBody = objectMapper.writeValueAsString(requestArguements[0]);  
80         responseBody = objectMapper.writeValueAsString(responseObject);  
81     } catch (JsonProcessingException e) {  
82         logger.error("Exception occurred parsing GCIF Audit {}", e);  
83     }  
84  
85     Date date = Calendar.getInstance().getTime();  
86     DateFormat dateFormat = new SimpleDateFormat("MM/dd/yyyy hh:mm:ss");  
87     String responseTime = dateFormat.format(date);  
88     String errorMessage = "";  
89     String stateToken = (String) requestArguements[2];  
90  
91     return new GCIAuditEvent(uuid, channelID, mliNumber, mliName, requestBody, responseBody, responseTime,  
92                             errorMessage, stateToken);  
93 }  
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95 }  
96 }  
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```

STSWorkspace - pp-d-customerrelationshipmanagement/src/main/java/com/citi/na/usrao/customerrelationshipmanagement/config/GCIAuditAspect.java - Spring Tool Suite 4

Edit Source Refactor Navigate Search Project Run Window Help

project Explorer Navigator (Deprecated)

170041\_usrao [170041\_usrao master] am-d-servicingorder [boot] am-d-servicingorder master

src/main/java com.citi.na.usrao.event com.citi.na.usrao.servicingorder com.citi.na.usrao.servicingorder.config com.citi.na.usrao.servicingorder.exception com.citi.na.usrao.servicingorder.model.dto com.citi.na.usrao.servicingorder.model.impacts com.citi.na.usrao.servicingorder.model.tps com.citi.na.usrao.servicingorder.rest.controller com.citina.usrao.USRAoServingOrderAPI.java com.citina.usrao.USRAoServingOrderAPIController.java com.citina.usrao.servicingorder com.citina.usrao.servicingorder.service.gcif com.citina.usrao.servicingorder.service.impacts com.citina.usrao.servicingorder.service.tps com.citina.usrao.servicingorder.util com.citina.usrao.servicingorder.validator

src/test/java IRE System Library [JavaSE-1.8] Maven Dependencies

src/main/resources target/generated-sources/annotations target/generated-test-sources/test-annotations api-gateway api-tests app-configs app-info manifests performance-tests target .htaccess .htconfig .htfix\_pcfConfig\_pipeline.yml .htfix\_springBoot\_pipeline.yml master\_pcfConfig\_pipeline.yml master\_springBoot\_pipeline.yml pom.xml README.md upcoming\_pcfConfig\_pipeline.yml upcoming\_springBoot\_pipeline.yml

com.citina.usrao.api.checkbook.component (in CommonUtility usrao-utility-repo feature/JRS-584) fdo-c-eodlibc .htaccess fdo-c-eodlibc.html (srcdefect)

ApiAuditAspect.java AuditAspectConfiguration.java LogableOperation.java USRAOServicingOrderAPI.java USRAOServicingOrderAPICo... USRAOCustomerRelationship...

19 import org.springframework.web.context.request.ServletRequestAttributes;

20

21 import com.citi.na.usrao.event.GCIAuditEvent;

22 import com.citi.na.usrao.event.GCIAuditEventPublisher;

23 import com.fasterxml.jackson.core.JsonProcessingException;

24 import com.fasterxml.jackson.databind.ObjectMapper;

25

26 @Aspect

27 @Component

28 public class GCIAuditAspect {

29

30 private static final Logger logger = LoggerFactory.getLogger(GCIAuditAspect.class);

31

32 @Autowired

33 ApplicationEventPublisher publisher;

34

35 @Autowired

36 ObjectMapper objectMapper;

37

38 @Around("@annotation(com.citi.na.usrao.customerrelationshipmanagement.config.GCIFLoggerOperation)")

39 public Object logRequestAndResponse(ProceedingJoinPoint proceedingJoinPoint) throws Throwable {

40

41 Object[] requestArguemnts = proceedingJoinPoint.getArgs();

42

43 Object responseObject = proceedingJoinPoint.proceed();

44

45 HttpServletRequest httpRequest = ((ServletRequestAttributes) RequestContextHolder.currentRequestAttributes()).getRequest();

46

47 GCIAuditEvent gcifAuditEvent = populateGCIAuditEvent(httpRequest, requestArguemnts, responseObject);

48

49 apiAuditLogger(gcifAuditEvent);

50

51 return responseObject;

52

53 }

54

55

56 public void apiAuditLogger(GCIAuditEvent gcifAuditEvent) {

57 try {

58 logger.info("GCIF Audit Logging Started");

59 GCIAuditEventPublisher event = new GCIAuditEventPublisher();

60 event.setGcifAuditEvent(gcifAuditEvent);

61 publisher.publishEvent(event);

62 logger.info("GCIF Audit Logging Completed");

63 } catch (Exception e) {

64 logger.error("Exception occurred while logging GCIF Audit {}", e);

65 }

66 }

67

68 public GCIAuditEvent populateGCIAuditEvent(HttpServletRequest httpRequest, Object[] requestArguemnts, Object responseObject) {

69

70 String uuid = httpRequest.getHeader("uuid");

71 // ... (remaining code for populateGCIAuditEvent method)

72 }

73

Markers Properties Servers Snippets Console Search JUnit Coverage History Call Hierarchy Boot Dashboard Debug

@EnableAspectJAutoProxy : 1 match in workspace [Java]

am-d-servicingorder [boot] am-d-servicingorder master

The screenshot shows an IDE interface with the following details:

- Title Bar:** "servicingorder/src/main/java/com/citi-na/usrao/servicingorder/rest/controller/USRAOServicingOrderAPIController.java - Spring Tool Suite 4"
- Toolbar:** Navigate, Search, Project, Run, Window, Help
- Left Sidebar:** Shows project structure and files:
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/USRAOServicingOrderAPIController.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/audit/AuditAspect.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/audit/AuditAspectConfiguration.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/log/LoggableOperation.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/usrao/USRAOServicingOrderAPIController.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/usrao/USRAOServicingOrderAPIController.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/usrao/USRAOCustomerRelationshipController.java
  - src/main/java/com/citi-na/usrao/servicingorder/rest/controller/usrao/USRAOServiceLoggerOperation.java
- Code Editor:** The main window displays the code for `USRAOServicingOrderAPIController.java`. The code includes annotations like `@Controller`, `@Autowired`, and `@Override`, and various service layer dependencies.
- Bottom Status Bar:** Includes icons for Markers, Properties, Servers, Snippets, Console, Search, JUnit, Coverage, History, Call Hierarchy, Boot Dashboard, and Debug.

The screenshot shows the Eclipse STS (Spring Tool Suite) interface. The code editor displays the `ApiAuditAspect.java` file. The code implements a Spring AOP aspect that intercepts method calls on `LoggableOperation` objects. It logs requests and responses, handles exceptions, and tracks audit events. The code uses annotations like `@Around`, `@Aspect`, and `@Autowired`. The project structure on the left shows various Java packages, configuration files, and build scripts.

```
STSWorkspace - am-d-servicingorder/src/main/java/com/citi/na/usrao/servicingorder/config/ApiAuditAspect.java - Spring Tool Suite 4

Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer Navigator (Deprecated)
src/main/java
com.citi.na.usrao.event
com.citi.na.usrao.servicingorder
com.citi.na.usrao.servicingorder.config
com.citi.na.usrao.servicingorder.exception
com.citi.na.usrao.servicingorder.model.dto
com.citi.na.usrao.servicingorder.model.impacts
com.citi.na.usrao.servicingorder.model.tps
com.citi.na.usrao.servicingorder.rest.controller
com.citi.na.usrao.servicingorder.service
com.citi.na.usrao.servicingorder.service.gcf
com.citi.na.usrao.servicingorder.service.impacts
com.citi.na.usrao.servicingorder.service.tps
com.citi.na.usrao.servicingorder.util
com.citi.na.usrao.servicingorder.validator
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
src/main/resources
target/generated-sources/annotations
target/generated-test-sources/test-annotations
api-gateway
api-tests
app-configs
app-info
manifests
performance-tests
> src
hotfix_pcfcConfig_pipeline.yml
hotfix_springBoot_pipeline.yml
master_pcfcConfig_pipeline.yml
master_springBoot_pipeline.yml
pom.xml
README.md
upcoming_pcfcConfig_pipeline.yml
upcoming_springBoot_pipeline.yml
> com.cit.171384.usrao.checkbook.component
CommonUtility [usrao_utility_repo.feature/URS-584]
fdn-c-eodjobs [boot] [dn-c-eodjobs bug/eoddefect]
am-d-servicingorder [boot] [am-d-servicingorder master]
src/main/java
com.citi.na.usrao.event
com.citi.na.usrao.servicingorder
com.citi.na.usrao.servicingorder.config
com.citi.na.usrao.servicingorder.config
com.citi.na.usrao.servicingorder.exception
com.citi.na.usrao.servicingorder.model.dto
com.citi.na.usrao.servicingorder.model.impacts
com.citi.na.usrao.servicingorder.model.tps
com.citi.na.usrao.servicingorder.rest.controller
com.citi.na.usrao.servicingorder.rest.controller
com.citi.na.usrao.servicingorder.service
com.citi.na.usrao.servicingorder.service.gcf
com.citi.na.usrao.servicingorder.service.impacts
com.citi.na.usrao.servicingorder.service.tps
com.citi.na.usrao.servicingorder.util
com.citi.na.usrao.servicingorder.validator
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
src/main/resources
target/generated-sources/annotations
target/generated-test-sources/test-annotations
api-gateway
api-tests
app-configs
app-info
manifests
performance-tests
> src
hotfix_pcfcConfig_pipeline.yml
hotfix_springBoot_pipeline.yml
master_pcfcConfig_pipeline.yml
master_springBoot_pipeline.yml
pom.xml
README.md
upcoming_pcfcConfig_pipeline.yml
upcoming_springBoot_pipeline.yml
@Around("auditPointCut()")
public Responsibility<Object> logRequestAndResponse(ProceedingJoinPoint proceedingJoinPoint) throws Throwable {
    long startTime = System.currentTimeMillis();
    HttpServletRequest request = ((ServletRequestAttributes) RequestContextHolder.currentRequestAttributes()).getRequest();
    ApiAuditEvent apiAuditEvent = new ApiAuditEvent(request, proceedingJoinPoint);

    try {
        ResponseEntity<Object> responseEntity = (ResponseEntity<Object>) proceedingJoinPoint.proceed();

        apiAuditEvent.setResponseCode(responseEntity.getStatusCode().value());
        apiAuditEvent.setResponseBody(responseEntity.getBody().toString());
        return responseEntity;
    } catch (GCFException e) {
        if (e.getStatus() != null)
            apiAuditEvent.setResponseCode(e.getStatus().value());
        if (e.getErrorResponse() != null)
            apiAuditEvent.setResponseBody(e.getErrorResponse().toString());
        throw e;
    } catch (ApiException e) {
        if (e.getStatus() != null)
            apiAuditEvent.setResponseCode(e.getStatus().value());
        if (e.getErrorResponse() != null)
            apiAuditEvent.setResponseBody(e.getErrorResponse().toString());
        throw e;
    } catch (Exception e) {
        apiAuditEvent.setResponseCode(500);
        apiAuditEvent.setErrorMassage(e.toString());
        apiAuditEvent.setStackTrace(Arrays.toString(e.getStackTrace()));
        throw e;
    } finally {
        long endTime = System.currentTimeMillis();
        apiAuditEvent.setResponseTime(Long.toString(endTime-startTime));
        apiAuditLogger(apiAuditEvent);
    }
}

public void apiAuditLogger(ApiAuditEvent apiAuditEvent)
{
    try {
        logger.debug("{}:apiAuditEvent");
        ApiAuditEventPublisher event = new ApiAuditEventPublisher();
        event.setApiAuditEvent(apiAuditEvent);
        publisher.publishEvent(event);
    } catch (Exception e) {
        logger.error("Exception occurred while logging API Audit {}", e);
    }
}
```

This screenshot shows the same STS workspace and code editor as the first one, but with a different section of the `ApiAuditAspect.java` file displayed. This part of the code defines a pointcut for methods within the `LoggableOperation` class and implements the `logRequestAndResponse` advice. It uses annotations like `@Pointcut`, `@Around`, and `@Autowired`. The project structure remains the same.

```
STSWorkspace - am-d-servicingorder/src/main/java/com/citi/na/usrao/servicingorder/config/ApiAuditAspect.java - Spring Tool Suite 4

Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer Navigator (Deprecated)
src/main/java
com.citi.na.usrao.event
com.citi.na.usrao.servicingorder
com.citi.na.usrao.servicingorder.config
com.citi.na.usrao.servicingorder.exception
com.citi.na.usrao.servicingorder.model.dto
com.citi.na.usrao.servicingorder.model.impacts
com.citi.na.usrao.servicingorder.model.tps
com.citi.na.usrao.servicingorder.rest.controller
com.citi.na.usrao.servicingorder.rest.controller
com.citi.na.usrao.servicingorder.service
com.citi.na.usrao.servicingorder.service.gcf
com.citi.na.usrao.servicingorder.service.impacts
com.citi.na.usrao.servicingorder.service.tps
com.citi.na.usrao.servicingorder.util
com.citi.na.usrao.servicingorder.validator
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
src/main/resources
target/generated-sources/annotations
target/generated-test-sources/test-annotations
api-gateway
api-tests
app-configs
app-info
manifests
performance-tests
> src
hotfix_pcfcConfig_pipeline.yml
hotfix_springBoot_pipeline.yml
master_pcfcConfig_pipeline.yml
master_springBoot_pipeline.yml
pom.xml
README.md
upcoming_pcfcConfig_pipeline.yml
upcoming_springBoot_pipeline.yml
@Pointcut("within(com.citi.na.usrao.servicingorder.rest.controller..*) & @annotation(com.citi.na.usrao.servicingorder.config.LoggableOperation)")
public void auditPointCut() {
    // no implementation...
}

@Around("auditPointCut()")
public Responsibility<Object> logRequestAndResponse(ProceedingJoinPoint proceedingJoinPoint) throws Throwable {
    long startTime = System.currentTimeMillis();
    HttpServletRequest request = ((ServletRequestAttributes) RequestContextHolder.currentRequestAttributes()).getRequest();
    ApiAuditEvent apiAuditEvent = new ApiAuditEvent(request, proceedingJoinPoint);

    try {
        ResponseEntity<Object> responseEntity = (ResponseEntity<Object>) proceedingJoinPoint.proceed();

        apiAuditEvent.setResponseCode(responseEntity.getStatusCode().value());
        apiAuditEvent.setResponseBody(responseEntity.getBody().toString());
        return responseEntity;
    } catch (GCFException e) {
        if (e.getStatus() != null)
            apiAuditEvent.setResponseCode(e.getStatus().value());
        if (e.getErrorResponse() != null)
            apiAuditEvent.setResponseBody(e.getErrorResponse().toString());
        throw e;
    } catch (ApiException e) {
        if (e.getStatus() != null)
            apiAuditEvent.setResponseCode(e.getStatus().value());
        if (e.getErrorResponse() != null)
            apiAuditEvent.setResponseBody(e.getErrorResponse().toString());
        throw e;
    } catch (Exception e) {
        apiAuditEvent.setResponseCode(500);
        apiAuditEvent.setErrorMassage(e.toString());
        apiAuditEvent.setStackTrace(Arrays.toString(e.getStackTrace()));
        throw e;
    } finally {
        long endTime = System.currentTimeMillis();
        apiAuditEvent.setResponseTime(Long.toString(endTime-startTime));
        apiAuditLogger(apiAuditEvent);
    }
}

public void apiAuditLogger(ApiAuditEvent apiAuditEvent)
{
    try {
        logger.debug("{}:apiAuditEvent");
        ApiAuditEventPublisher event = new ApiAuditEventPublisher();
        event.setApiAuditEvent(apiAuditEvent);
        publisher.publishEvent(event);
    } catch (Exception e) {
        logger.error("Exception occurred while logging API Audit {}", e);
    }
}
```

STSWorkspace - am-d-servicingorder/src/main/java/com/citi/na/usrao/servicingorder/config/LoggableOperation.java - Spring Tool Suite 4

```

File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer Navigator (Deprecated) ApiAuditAspect.java AuditAspectConfiguration.java LoggableOperation.java USRAOServicingOrderAPI.java
1 package com.citi.na.usrao.servicingorder.config;
2
3 *import java.lang.annotation.Documented;
4
5 @Target(ElementType.METHOD)
6 @Retention(RetentionPolicy.RUNTIME)
7 @Documented
8 @Component
9 public @interface LoggableOperation {
10
11     boolean piiDataMaskedFlag() default false;
12 }
13
14
15
16
17
18
19
20

```

170041\_usrao [170041\_usrao master]

am-d-servicingorder [boot] [am-d-servicingorder master]

- src/main/java
  - com.citi.na.usrao.event
  - com.citi.na.usrao.servicingorder
  - com.citi.na.usrao.servicingorder.config
    - ApiAuditAspect.java
    - AuditAspectConfiguration.java
    - LoggableOperation.java
    - OriginConfiguration.java
  - com.citi.na.usrao.servicingorder.exception
  - com.citi.na.usrao.servicingorder.model.dto
  - com.citi.na.usrao.servicingorder.model.impacs
  - com.citi.na.usrao.servicingorder.model.tps
  - com.citi.na.usrao.servicingorder.rest.controller
    - USRAOServicingOrderAPI.java
    - USRAOServicingOrderAPIController.java
    - com.citi.na.usrao.servicingorder.service
    - com.citi.na.usrao.servicingorder.service.gcif
    - com.citi.na.usrao.servicingorder.service.impacs
    - com.citi.na.usrao.servicingorder.service.tps
    - com.citi.na.usrao.servicingorder.validator
  - src/test/java
- JRE System Library [JavaSE-1.8]
- Maven Dependencies
- src/main/resources
- target/generated-sources/annotations
- target/generated-test-sources/test-annotations
- api-gateway
- api-tests
- app-configs
- app-info
- manifests
- performance-tests
- src
- target

STSWorkspace - am-d-servicingorder/src/main/java/com/citi/na/usrao/servicingorder/config/AuditAspectConfiguration.java - Spring Tool Suite 4

```

File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer Navigator (Deprecated) ApiAuditAspect.java AuditAspectConfiguration.java LoggableOperation.java USRAOServicingOrderAPI.java USRAOCustomerRe...
1 package com.citi.na.usrao.servicingorder.config;
2
3 *import org.springframework.context.annotation.Bean;
4
5 @Configuration
6
7 @EnableAspectJAutoProxy
8
9 public class AuditAspectConfiguration {
10
11     @Bean
12     public ApiAuditAspect apiAuditAspect() {
13         return new ApiAuditAspect();
14     }
15
16 }
17

```

170041\_usrao [170041\_usrao master]

am-d-servicingorder [boot] [am-d-servicingorder master]

- src/main/java
  - com.citi.na.usrao.event
  - com.citi.na.usrao.servicingorder
  - com.citi.na.usrao.servicingorder.config
    - ApiAuditAspect.java
    - AuditAspectConfiguration.java
    - LoggableOperation.java
    - OriginConfiguration.java
  - com.citi.na.usrao.servicingorder.exception
  - com.citi.na.usrao.servicingorder.model.dto
  - com.citi.na.usrao.servicingorder.model.impacs
  - com.citi.na.usrao.servicingorder.model.tps
  - com.citi.na.usrao.servicingorder.rest.controller
    - USRAOServicingOrderAPI.java
    - USRAOServicingOrderAPIController.java
    - com.citi.na.usrao.servicingorder.service
    - com.citi.na.usrao.servicingorder.service.gcif
    - com.citi.na.usrao.servicingorder.service.impacs
    - com.citi.na.usrao.servicingorder.service.tps
    - com.citi.na.usrao.servicingorder.validator
  - src/test/java
- JRE System Library [JavaSE-1.8]
- Maven Dependencies
- src/main/resources
- target/generated-sources/annotations
- target/generated-test-sources/test-annotations
- api-gateway
- api-tests
- app-configs
- app-info
- manifests
- performance-tests
- src
- target
- hotfix\_pcConfig\_pipeline.yml
- hotfix\_springBoot\_pipeline.yml
- master\_pcConfig\_pipeline.yml
- master\_springBoot\_pipeline.yml
- pom.xml
- README.md
- upcoming\_pcConfig\_pipeline.yml
- upcoming\_springBoot\_pipeline.yml
- com.cit.17138.usraoallapi.checkbook.component (in)
- CommonUtility [usrao-utilty\_repo feature/URS-584]
- fdn-c-eodjobs [boot] [fdn-c-eodjobs bug/feoddefect]

The screenshot shows the Spring Tool Suite 4 interface with the following details:

- Editor Area:** Displays the Java code for `ApiAuditAspect.java`. The code is annotated with `@Aspect`, `@Autowired`, and `@Pointcut`. It includes a try-catch block for handling exceptions and setting response codes and bodies.
- Marker Bar:** Located at the bottom, it shows markers for `@EnableAspectJAutoProxy` and indicates "1 match in workspace (\*.java)".
- Toolbars and Menus:** Standard Eclipse-style toolbars and menus like Source, Refactor, Navigate, Search, Project, Run, Window, Help, etc.
- Project Explorer:** Shows the project structure for `041_usrao [170041_usrao master]`, including source files like `ApiAuditAspect.java`, `AuditAspectConfiguration.java`, `LoggableOperation.java`, and `USRAOServicingOrderAPI.java`.