BUG AC-API-001

**Summary: [POST] Service returns status code 500 when unknown value in field «operation»’s been sent**

Severity: Critical

Priority: High

Affect version: Unknown

Fix version: Unknown

Environment: Apache Tomcat/9.0.45

Preconditions:

1. Application has been deployed from qa\_testCalc\_java11.war

2. Page <http://localhost:8080/qa_testCalc_java11/> is displayed properly

Steps to reproduce:

1. Execute POST request on endpoint /restWS/compute with unknown operation

Request method: POST

Request URI: http://localhost:8080/qa\_testCalc\_java11/restWS/compute

Headers: Accept=application/json

Content-Type=application/json

charset=UTF-8

Body:

{

"val2": "2",

"val1": "3",

"operation": "operation"

}

Expected result: Status Code 400 Bad Request

Actual result: Status Code 500

Logs:

Request method: POST

Request URI: http://localhost:8080/qa\_testCalc\_java11/restWS/compute

Proxy: <none>

Request params: <none>

Query params: <none>

Form params: <none>

Path params: <none>

Headers: Accept=application/json

Content-Type=application/json; charset=UTF-8

Cookies: <none>

Multiparts: <none>

Body:

{

"val2": "2",

"val1": "3",

"operation": "operation"

}

RESPONSE:

HTTP/1.1 500

Content-Type: text/html;charset=utf-8

Content-Language: ru

Content-Length: 4024

Date: Fri, 16 Apr 2021 21:17:38 GMT

Connection: close

<html lang="ru">

<head>

<title>HTTP Status 500 – Internal Server Error</title>

<style type="text/css">body {font-family:Tahoma,Arial,sans-serif;} h1, h2, h3, b {color:white;background-color:#525D76;} h1 {font-size:22px;} h2 {font-size:16px;} h3 {font-size:14px;} p {font-size:12px;} a {color:black;} .line {height:1px;background-color:#525D76;border:none;}</style>

</head>

<body>

<h1>HTTP Status 500 – Internal Server Error</h1>

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<p>

<b>Type</b>

Exception Report </p>

<p>

<b>Message</b>

java.lang.IllegalArgumentException: Unknown operation: operation </p>

<p>

<b>Description</b>

The server encountered an unexpected condition that prevented it from fulfilling the request. </p>

<p>

<b>Exception</b>

</p>

<pre>javax.servlet.ServletException: java.lang.IllegalArgumentException: Unknown operation: operation

org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:489)

org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427)

org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388)

org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341)

org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228)

org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)

</pre>

<p>

<b>Root Cause</b>

</p>

<pre>java.lang.IllegalArgumentException: Unknown operation: operation

com.ataccama.qa.testcalc.TestCalc.compute(TestCalc.java:53)

com.ataccama.qa.testcalc.rest.TestCalcRest.compute(TestCalcRest.java:52)

jdk.internal.reflect.GeneratedMethodAccessor52.invoke(Unknown Source)

java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)

java.base/java.lang.reflect.Method.invoke(Method.java:564)

org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)

org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher$1.run(AbstractJavaResourceMethodDispatcher.java:144)

org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161)

org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider$ResponseOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:160)

org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99)

org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)

org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)

org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)

org.glassfish.jersey.server.ServerRuntime$2.run(ServerRuntime.java:326)

org.glassfish.jersey.internal.Errors$1.call(Errors.java:271)

org.glassfish.jersey.internal.Errors$1.call(Errors.java:267)

org.glassfish.jersey.internal.Errors.process(Errors.java:315)

org.glassfish.jersey.internal.Errors.process(Errors.java:297)

org.glassfish.jersey.internal.Errors.process(Errors.java:267)

org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317)

org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305)

org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154)

org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473)

org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427)

org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388)

org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341)

org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228)

org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)

</pre>

<p>

<b>Note</b>

The full stack trace of the root cause is available in the server logs. </p>

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<h3>Apache Tomcat/9.0.45</h3>

</body>

</html>