

Overview

<b>ID:</b>	765	<b>Status:</b>	Completed
<b>Title:</b>	COMP00261885 : 4f_jbb12 : [JHMI] Exception after mmi_restart	<b>Creator:</b>	<a href="#">Arichi Arzare</a>
<b>Created On:</b>	2017-05-11 13:05	<b>Finished On:</b>	2017-05-19 10:57
<b>Total Person Time:</b>	01:01:50	<b>Wall-Clock Time:</b>	7d, 21:50:11
<b>Total Reviewer Time:</b>	00:41:08	<b>LOC All Versions (Uploaded/Changed):</b>	1494/0
<b>LOC Final Versions (Uploaded/Changed):</b>	641/0	<b>Document Pages (All):</b>	0
<b>Document Pages (Final):</b>	0	<b>Number of Defects:</b>	2
<b>Number of Comments:</b>	6	<b>Component:</b>	THMI
<b>Overview:</b>	<div>1. Defect Description: Exception after mmi_restart</div> <div>2. Steps to reproduce the issue: This issue was seen while running a performance test. 1. Run a scenario which causes lost tracks to appear in the end. 2. Within the course of the scenario, restart JHMI. 3. After restart, as the lost tracks appear, JHMI crashes.</div> <div>3. Root Cause: -The use of ModelManager to get PositionConfigurationModel in the domain layer is prohibited and that is found to be null in this scenario as the lost track warning comes after mmi restart.</div> <div>4. Description of the Code/SRS changes: -Classes changed: LostTrackWarningServerImpl(LostTrackWarningServer) AtlasAlertsCat4LtwCom(4FSafetyNetProxy) build.gradle of both the projects  -In class LostTrackWarningServerImpl, instead of getting Lfunc's from PositionConfigurationModel using ModelManager, I used MappingManager through which the mapped OE's can be obtained and the hence the associated lFunc's. Also, part of the code containing position related filtering logic which should be in the proxy layer, was moved to AtlasAlertsCat4LtwCom.</div> <div>5. Does the same defect exist elsewhere in JHMI? -No</div> <div>6. What is the Impact of the Code/SRS changes? -None</div> <div>7. What testing was performed? -Free testing and JUnit updated</div> <div>8. Code Coverage 90.5%</div>		

Checklist

Title	Status	User	Date
ATMS_JAVA_0101 - Add an annotation "overriden" each time a method is overriden.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
ATMS_JAVA_0103 - Applicable only in a multi-threaded context : Calls of static member on instances (instead of classes) are forbidden.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
ATMS_JAVA_020 - Don't compare objects with == otherwise justify.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
ATMS_JAVA_092 - Condition expression with floating point shall not use "==" or "!=".	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
ATMS_JAVA_094 - Recursiveness is authorized but should be controlled (depth) and documented.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
Check that the requirements impact within the code changes	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
Code Coverage added to overview.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
Check for Javadoc and unused imports (Also in JUNITs).	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
JUnits covering the solution are written and are passing for entire plugin.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16
SRS Impact (TC/UC/UI) identified and modified if required.	Checked	<a href="#">Arichi Arzare</a>	2017-05-11 13:16

Participants

Name	Role	State	Person-Hours
Arichi Arzare	Author	Active	00:57:05
Ashish Mathew	Reviewer	Approved	00:41:08
Rahul Rai	Observer	Active	00:00:05

Defect Log

ID	Creator	File	Location	Severity	Type	Defect Origin	Text
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<a href="#">1643</a>	<a href="#">Ashish Mathew</a>	src/4F/jhmi/domain/LostTrackWarningServer/src/com/thales/atm/jhmi/domain/lostTrackWarningServer/LostTrackWarningServerImpl.java	[Overall]	Operational	Maintainability	Coding(CODE)	Why do we need MappingManager in domain. The ideal approach should be that the proxy should send only those ltw warnings that satisfy the position related conditions.
<a href="#">1651</a>	<a href="#">Ashish Mathew</a>	src/4F/jhmi/integration/proxies/4FSafetyNetProxy/src/com/thales/atm/jhmi/proxy/safetyNetProxy/atlas/com/AtlasAlertsCat4LtwCom.java	Line 85	Minor	Documentation	Coding(CODE)	Missing JavaDoc

Materials Summary

Most recent versions of each file

<b>Num Files:</b>	5	<b>Num Code Files:</b>	5	<b>Num Documents:</b>	0	<b>Num Images:</b>	0	<b>Num URLs:</b>	0
<b>Num Other Binaries:</b>	0	<b>Num Changelists:</b>	3	<b>LOC (Uploaded):</b>	641	<b>LOC (Changed):</b>	0	<b>Document Pages:</b>	0
<b>Inspection Rate (Uploaded):</b>	935 LOC/hr	<b>Inspection Rate (Changed):</b>	0 LOC/hr	<b>Document Inspection Rate:</b>	0.00 pages/hr	<b>Image Inspection Rate:</b>	0.00 images/hr	<b>URL Inspection Rate:</b>	0.00 urls/hr
<b>Binary Inspection Rate:</b>	0.00 binaries/hr	<b>Code Defect Density (Uploaded):</b>	3.12 defects/kLOC	<b>Code Defect Density (Changed):</b>	∞ defects/kLOC	<b>Document Defect Density:</b>	N/A defects/page	<b>Image Defect Density:</b>	N/A defects/image
<b>URL Defect Density:</b>	N/A defects/URL	<b>Binary File Defect Density:</b>	N/A defects/file						

All versions of each file

<b>Num Files:</b>	10	<b>Num Code Files:</b>	10	<b>Num Documents:</b>	0	<b>Num Images:</b>	0	<b>Num URLs:</b>	0
<b>Num Other Binaries:</b>	0	<b>Num Changelists:</b>	3	<b>LOC (Uploaded):</b>	1494	<b>LOC (Changed):</b>	0	<b>Document Pages:</b>	0
<b>Inspection Rate (Uploaded):</b>	2179 LOC/hr	<b>Inspection Rate (Changed):</b>	0 LOC/hr	<b>Document Inspection Rate:</b>	0.00 pages/hr	<b>Image Inspection Rate:</b>	0.00 images/hr	<b>URL Inspection Rate:</b>	0.00 urls/hr
<b>Binary Inspection Rate:</b>	0.00 binaries/hr	<b>Code Defect Density (Uploaded):</b>	1.34 defects/kLOC	<b>Code Defect Density (Changed):</b>	∞ defects/kLOC	<b>Document Defect Density:</b>	N/A defects/page	<b>Image Defect Density:</b>	N/A defects/image
<b>URL Defect Density:</b>	N/A defects/URL	<b>Binary File Defect Density:</b>	N/A defects/file						