Jan-2024

[Delphi][2023 - DELPHI - ERC] Higher Level Outage (HLO) phase 3 Pilot - Optical

[Delphi][2023 - DELPHI - ERC] Higher Level Outage (HLO) phase 2 and Pilot - DS3

[Delphi][ERC][DS3] Continuation of HLO Pilot

SA Testing and Mitigation

[Delphi][ERC][DS3] Continuation of HLO Pilot

SA Testing and Mitigation

Delphi Automation Expansion & Optimization

Feb-2024

[Delphi][ERC][DS3] Continuation of HLO Pilot

-> Prod log analysis like ITSETMSProxy

-> Prod log analysis like TAMS

March-2024

Testing on Dev3 for corretto 17 upgarde and also fixes on foritfy scan critical issues

- Resolve issue with display of Username in ETMS GUI for HLO Cross reference and Referout transactions

- Use GET\_TICKET\_DETAILS command to check cross reference status of Ticket

- NTSACA-6515: [ERC][HLO][Microservice] Add ANT2 code and

summary in ETMS FINAL Comments

- NTSACA-6167: [Delphi][ERC] Set ERC flag in the request to

Hyerpion

April-2024

1.NTSACA-7417 - Workflow changes in TA Microservice to track retried HLO tickets when Delphi is called periodicallyMicroservice to track retried

2. NTSACA-7100 - Send Transfer Command to ETMS after Cross reference command for ANT/TMF/URN SUMCDs

3 - For JMS and IBM MQ based Analysis task given(No jira given)

4 - New API implementation on IBM MQ for send and receive msg(No jira given)

DELELP-41333: TA MS - Handle new service category types for Optical Circuits

DELELP-41332: Fix issues in RAN TEST flow

NTSACA-7110: Send new attribute ERC\_HLO\_EVENT in Delphi Request to DTE SPCL

NTSACA-7599:Add new SUMCD to indicate HLO is not supported for DS1

NTSACA-7108: Send Referback Command to ETMS after Cross reference command for ANT/TMF/URN SUMCDs

->Made a connection to F&E's IBM MQ Server to process messages.

->Created an sample application that makes connection to MQ Server to send and receive messages.

-> Worked on Kafka analysis for ITSETMS Service to handle and process kafka messages without loss.

June-2024

1- Working on TA micro service test case increased from 72% to 80%

2- Analysis on any tools to find on generating junit test like wise 'gen AI' and 'more junit'

3- Currently working on more high priority item as Spring boot upgrade from 2.5 to 3.5.2 - currently finished 40% of it

[NTSACA-7953] [Delphi] Analysis of JMS to KAFKA migration in ETMS Proxy

[NTSACA-8113] RAN TEST Explanation &amp; Recommendation changes

1. Implemented Kafka interceptor and logic to handle commits.

July 2024

[Delphi] Microservices migration to Springboot

Consider Echo Flash ticket to determine HLO ticket among multiple Parent ckts tickets for DS3

Spring boot Migration

[Delphi] Microservices migration to Springboot

upgraded common service versions for all microservices, and also upgraded ITSetmsproxy,TIDDirectTL1,PCMicroservice

to gradle 7.1.1 including common wars

Aug-2024

NTSACA-9133 - [Delphi][Microservices] Microservices testing for JDK 17 migration,NTSACA-9278 -

[Delphi][HLO] [Microservices] Support command to check ticket status in ETMSProxyserviceNTSACA-9132 -

[Delphi] Support SDI Circuit Triage command response posting to ETMS

NTSACA-9132 [Delphi] Support SDI Circuit Triage command response posting to ETMS

NTSACA-9278 [Delphi][HLO] [Microservices] Support command to check ticket status in ETMSProxyservice

Spring boot Upgradation and Testing

Worked on NXTT service (developed a sample axis 2 application, to reproduce warning produced by NXTT service)

September

NTSACA-8940 : Support HLO Determination based on OutageManager ACL Query (DTE)

NTSACA-9586 : Microservices testing for JDK 21 migration

RanTest Changes:

Changes made to modify existing RANTest recommendations based on some explanations.

NXTT Service:

Created a sample proxy axis2 appilcation that uses same dependencies as NXTT application to act as proxy to Assia Service.

Acheived the ability to send post request to Assia service by configuring custom SSL factory to Assia stubs to ignore SSL validation.

Replicated the SSL changes in NXTT service.

TAMS:

Changes made to simulate responses for network circuit testing performed by ETMS

October

NTSACA-10209 - Support new attribute in test request to all test engines to indicate Monitor service ticket

NTSACA-10208 - Identify Monitor service tickets based on new Work group and Ticket being in deferred state

DELELP-43350 - Changes made to simulate responses for network circuit testing performed by ETMS

DELELP-43349 - Replicate the SSL changes in NXTT service by creating a sample proxy axis2 application

NTSACA-9966 - TA MS Analysis to implement new Monitor service requirement

>Installed and configured jmeter in local to do load testing for upgraded TAMicroservice .

->Tried various methods and tested TAMicroservice and PTS service in multiple ways to replicate

connection timed out error in uat3 environment.

November:

NTSACA-10512 - Provide support to handle second HLO ticket when triggered immediately after first non HLO ticket

NTSACA-10672: [Delphi][ERC][HLO] Transfer TMG also as part of Transfer to USOUT.NETWORK workgroup, if TMG of ticket is USNAT.ERC

NTSACA-10513 - [Delphi][JDK][Microservices] Analyse performance issue of not handling tickets in TA MS after JDK 21 migration

December -2024

#NTSACA-10991] [Delphi][MS][Microservice] (Re)Open Monitor Service ticket if Alarms are present on Circuit

[#NTSACA-10992] [Delphi][MS][Microservice] Implement the exiting condition for monitor service ticket

<ATTRIBUTE>

<ATTR\_NAME>MONITOR\_SERVICE\_TKT</ATTR\_NAME>

<ATTR\_VAL>Y</ATTR\_VAL>

</ATTRIBUTE>

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