

Issue Documentation: NFID Not Reflected in Status Field on Project Summary

JIRA Ticket

<https://onejira.verizon.com/browse/PEDS-771>

Issue Summary

The 'status' field in the **Project Summary** is not being updated correctly for the given NFID.

2410ARLZ

NFID 2410ARLZ

InsideHut Order

Summary

NFID
2410ARLZ

Project Name
ERIEPAXE - Service Change

Status
NEW

Start Date
2024-10-07 15:12:32.0

Desired Due Date
2025-05-01 00:00:00.0

Created By
Jeff Rupert

Created Time
2024-10-07 15:12:32.0

Completed Time

Description
Verizon Wireless is looking to expand our existing 100 square foot space to include the space recently left by Windstream. This space would provide Verizon Wireless an additional 100 square foot of space for equipment expansion. At this time, the only request from Verizon Wireless is cage and electrical work. Verizon Wireless does not require additional DC power, fiber or other various colocation services.

Project Details

Network Activity
Customer Build

Engineering Discipline
Transport

Network Type
Inside Hut

Project Type
Inside Hut Service

Service Request
Service Change

Type of Service
Inside Hut

Canvas -> NF Tree -> Change status -> Tools tab

NFID	PREVIOUS NFID	CREATED_US ER	CoE STATUS	Last Completed Task	PROGRAM_YEAR	CUST_REGION	COMPANY_NAME	APPLICATION _DATE	SERVICE_REQ UEST
2410AQZU	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410AWWL	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410ARPD	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410ARLZ	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410AWXM	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410AWWX	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410ARQH	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change
2410AWWM	1611FWPS		NEW				Verizon Wireless	10/8/2024	Service Change

Root Cause Analysis

Understand the Expected behavior

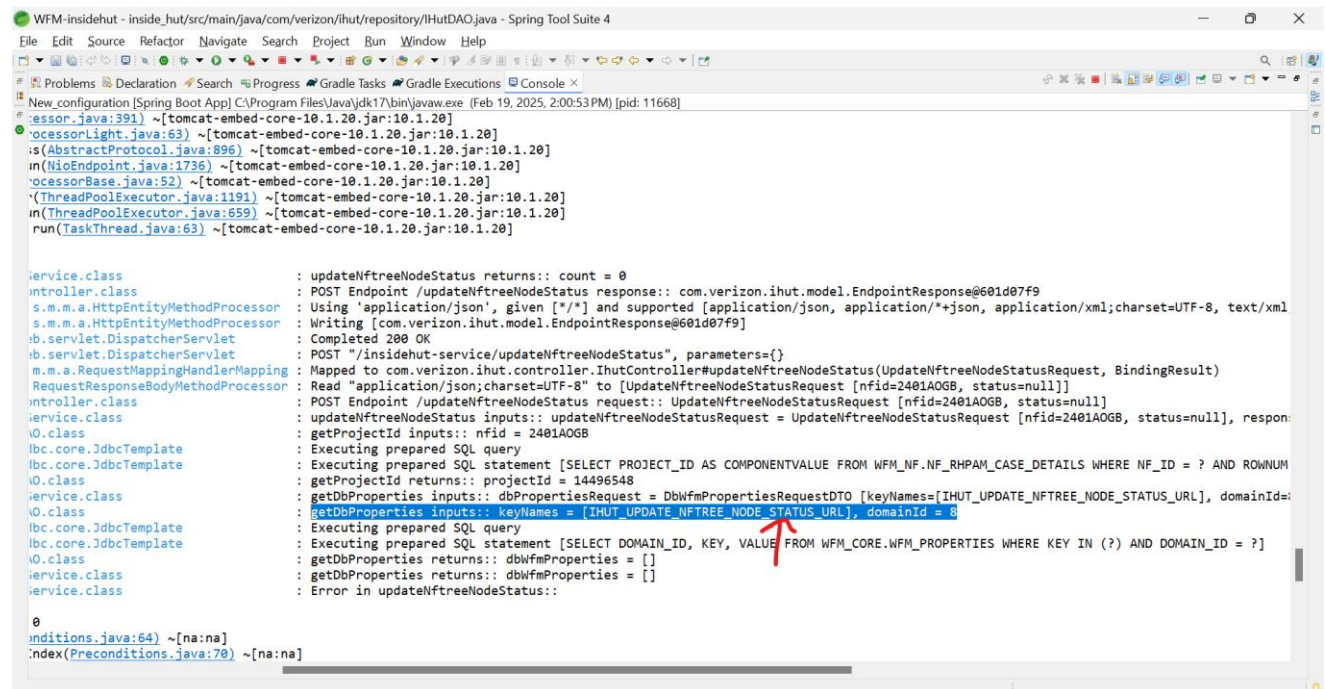
- The cancellation is correctly reflected in the **NF tree**, but not in the **status field** on the **project Summary**

Identify the Data Flow

- Check whether the NF tree and project summary get data from the same source or different ones
- Finally find out **inside-hut service** only way to update NFTree and DB
API call **"/updateNftreeNodeStatus"**

Debugging With Data Flow

- This is the query to get status of an NFID to display in project summary section. The issue here is when an NFID is cancelled, this might not have been updated due to which it still says 'NEW'.
- *select o.*,pd.* from wfm_nf.nf_ihut_order o left outer join wfm_nf.nf_ihut_order_process_data pd on o.ihut_order_id = pd.ihut_order_id where nfid = '24***RLZ';*
- check prod team still is happening or not, then confirmed the issue still exists in prod. This needs to be debugged from API that we call when we cancel an NFID..



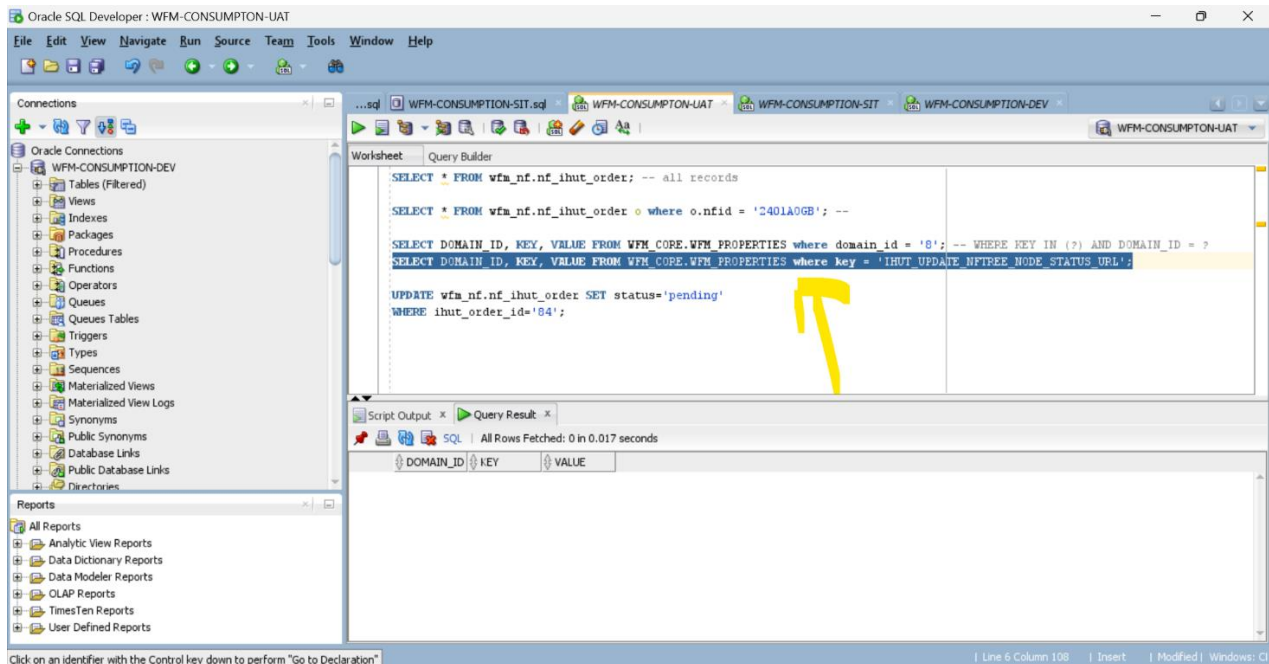
```
WFM-insidehut - inside_hut/src/main/java/com/verizon/ihut/repository/IHutDAO.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Declaration Search Progress Gradle Tasks Gradle Executions Console
New configuration [Spring Boot App] C:\Program Files\Java\jdk17\bin\javaw.exe (Feb 19, 2025, 2:00:53 PM) [pid: 11668]
Error.java:391 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
Exception.java:63 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
AbstractProtocol.java:896 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
NioEndpoint.java:1736 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
NioEndpoint.java:52 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
ThreadPoolExecutor.java:1191 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
ThreadPoolExecutor.java:659 ~[tomcat-embed-core-10.1.20.jar:10.1.20]
run(TaskThread.java:63) ~[tomcat-embed-core-10.1.20.jar:10.1.20]

service.class : updateNftreeNodeStatus returns:: count = 0
controller.class : POST Endpoint /updateNftreeNodeStatus response:: com.verizon.ihut.model.EndpointResponse@601d07f9
s.m.m.a.HttpEntityMethodProcessor : Using 'application/json', given [*/] and supported [application/json, application/xml;charset=UTF-8, text/xml]
s.m.m.a.HttpEntityMethodProcessor : Writing [com.verizon.ihut.model.EndpointResponse@601d07f9]
b.servlet.DispatcherServlet : Completed 200 OK
b.servlet.DispatcherServlet : POST "/insidehut-service/updateNftreeNodeStatus", parameters={}
m.m.a.RequestMappingHandlerMapping : Mapped to com.verizon.ihut.controller.IhutController#updateNftreeNodeStatus(UpdateNftreeNodeStatusRequest, BindingResult)
RequestResponseBodyMethodProcessor : Read "application/json;charset=UTF-8" to [UpdateNftreeNodeStatusRequest [nfid=2401A0GB, status=null]]
controller.class : POST Endpoint /updateNftreeNodeStatus request:: UpdateNftreeNodeStatusRequest [nfid=2401A0GB, status=null]
service.class : updateNftreeNodeStatus inputs:: updateNftreeNodeStatusRequest = UpdateNftreeNodeStatusRequest [nfid=2401A0GB, status=null], response
o.class : getProjectId inputs:: nfid = 2401A0GB
ibc.core.JdbcTemplate : Executing prepared SQL query
ibc.core.JdbcTemplate : Executing prepared SQL statement [SELECT PROJECT_ID AS COMPONENTVALUE FROM WFM_NF.NF_RHPAM_CASE_DETAILS WHERE NF_ID = ? AND ROWNUM
o.class : getProjectId returns:: projectId = 14496548
service.class : dbPropertiesRequest = DbWfmPropertiesRequestDTO [keyNames=[IHUT_UPDATE_NFTREE_NODE_STATUS_URL], domainId=
ibc.core.JdbcTemplate : getDbProperties inputs:: keyNames = [IHUT_UPDATE_NFTREE_NODE_STATUS_URL], domainId = 8
o.class : Executing prepared SQL query
ibc.core.JdbcTemplate : Executing prepared SQL statement [SELECT DOMAIN_ID, KEY, VALUE FROM WFM_CORE.WFM_PROPERTIES WHERE KEY IN (?) AND DOMAIN_ID = ?]
o.class : getDbProperties returns:: dbWfmProperties = []
service.class : getDbProperties returns:: dbWfmProperties = []
service.class : Error in updateNftreeNodeStatus::

0
nditions.java:64 ~[na:na]
index(Preconditions.java:70) ~[na:na]
```

dbWfmProperties returns null data what's why it can't go through data flow

then check in DB Domain_id and key data is missing, we gave one insert query to T2 team



The query is failing because there are no relevant records in the **WFM_CORE.WFM_PROPERTIES** table.

Since the required configuration values are missing, the system is unable to fetch the necessary data for updating the **status**.

Summary of Execution Flow

Step	Layer	Operation
1	Client	Sends POST request with nfid and status
2	Controller	Validates request and calls Service layer
3	Service layer	Fetches projectId for nfid
4	Service layer	Fetches external API URL from WFM_PROPERTIES table
5	Service layer	Calls external API (updateComponentStatus)
6	Service layer	If API is successful, updates STATUS field in DB
7	DAO layer	Runs SQL UPDATE query on WFM_NF.NF_IHUT_ORDER
8	Service layer	Returns update result to Controller
9	Controller	Sends response back to the client

Actions Taken

1. DB Investigation:

- Checked the WFM_PROPERTIES table and confirmed that the expected records are missing.

2. DB Team Notified:

- The DB team has been informed to insert the required records into the WFM_PROPERTIES table.
- DB team to insert required values in the WFM_PROPERTIES table.
- Retest the functionality after the DB update.
- Monitor logs and confirm if the NFID status is being correctly reflected or not

3. Scheduled a call:

- Shaik Salma schedule a call with Mohan, Jeevitha then they confirmed this comes as an enhancement as **inside hut** was a legacy application and this was **integrated into consumption** services 6-8 months ago as confirmed by Jeevitha, when this was done, **parts of cancellation functionality** might have gone missing.

This issue exists in SIT, UAT and prod.

To update the component status of a cancelled NFID, we are supposed to call
"/updateNftreeNodeStatus" API

-->>>>>> This is the only API where we update the status of an NFID via code. <<<<<<--

Two solutions proposed.

- 1) Add a cancel button on UI and invoke the above URL for cancellation
- 2) If cancellation has to be done only via Tools section, then invoke the URL again at PAM level so we have the cancellation working.

Business needs to confirm on this. Once confirmed, we can attach the story created for this functionality in NTSCR dashboard and mention that over here before closing this story.