

BY Pager KT

Wednesday, April 23, 2025 9:29 PM

## Recording:

[https://walmart.zoom.us/rec/share/fiHKW5aqPsg5H2d3wwjbnwgp1f30A0LNoqOj3qaKq0yC9vfzx-a5fNNng\\_n9mCYVc.Cens5n12cM2bgovh](https://walmart.zoom.us/rec/share/fiHKW5aqPsg5H2d3wwjbnwgp1f30A0LNoqOj3qaKq0yC9vfzx-a5fNNng_n9mCYVc.Cens5n12cM2bgovh)

Passcode: 4QVz#Vz7

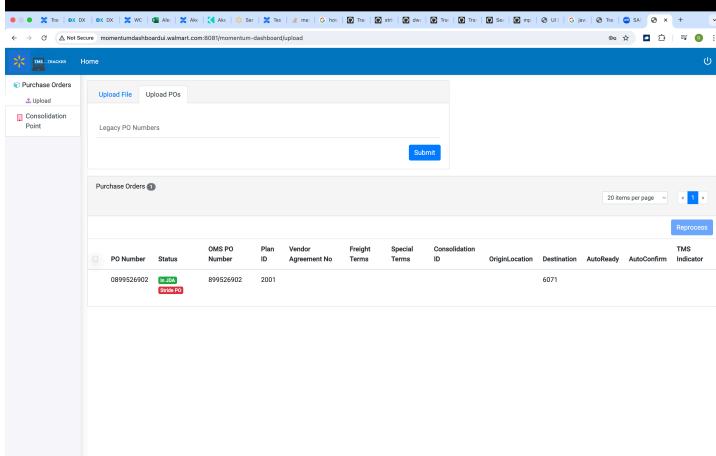
## Database Introduction:

1. Oracle ustmsmp1: Related to all BY issues, which means the main DB in BY.
  2. tmsPlatformServices: For all the PO creation, once the PO has been created and how to stored, for all of those information will be store in this DB.
  3. tmsexecution: This particular DB is using for storing the data related to EDI flow, since 214, 990 have been migrated from Mule server to Java. They moved to WCNP and no longer we have detail in Oneops, this DB only store the data for 204 right now.
  4. tmsordermgmt: We mainly use it for PO related. Where we check alignment for few alignment details on the order destination.
  5. Localhost: This is the DB which we use for PO related research, for all the PO creation, whether the PO has been completed or not.

**POs:**

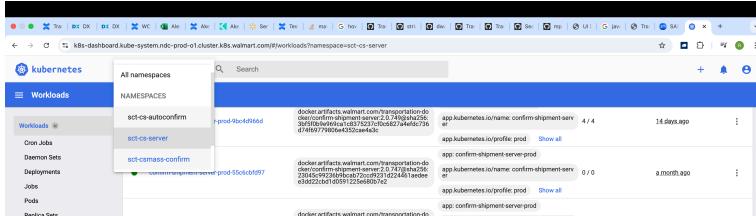
<http://momentumdashboardui.walmart.com:8081/momentum-dashboard/login>

This is link is to see the particular PO whether is in our system. We will need 10 digits number. So if the user said they have any issue related to PO, we should use the PO number that user provided and check it at here. Legacy PO number should be 10 digits and OMS PO number should be 9 digits, but there will be few POs are all 10 digits.



And as we can see above screenshot, the status of this PO is **In JDA**, so whenever it is in JDA status means it's in completed in status, the PO creation and it flowing to BY has been done. It will only show up the destination details, and if it is **Not In JDA**, that means this is a failure in this particular PO, and we will have more information in this UI.

<https://k8s-dashboard.kube-system.ndc-prod-o1.cluster.k8s.walmart.com/#/log/sct-csmass- confirm/confirm-shipment-mass-confirm-prod-86b6df5f7b-rmgms/pod?namespace=sct-csmass- confirm&container=confirm-shipment-mass-confirm-prod>



Replication Controllers	● confirm-shipment-server-prod-5bb0449b7	opencontroller-shipment-server-zc-2/r4/generate20230420T155225Z/0512256805/h2	app.kubernetes.io/name: confirm-shipment-server	0 / 0	6 months ago
Service	● confirm-shipment-service-prod-7bc5bd7f7	docker.artifactory.walmart.com/transportation-confirmed-shipment-service:2.7.4@sha256:e3d62cc0bd059125686805/h2	app.kubernetes.io/name: confirm-shipment-service	0 / 0	6 months ago
Ingress Classes			app.kubernetes.io/profile: prod	Show all	
Services	● filter-deploy-05c4d57bf	hub.docker.prod.walmart.com/heimpsek/tierv2.16.12	app.kubernetes.io/name: tier	1 / 1	a year ago
Config and Storage	● filter-deploy-5675d6c98	hub.docker.prod.walmart.com/heimpsek/tierv2.16.12	app.kubernetes.io/name: tier	0 / 0	3 years ago
Config Maps	● filter-deploy-8545db798	hub.docker.prod.walmart.com/heimpsek/tierv2.16.12	app.kubernetes.io/name: tier	0 / 0	3 years ago
Persistent Volume Claims			app.kubernetes.io/profile: prod	Show all	
Secrets			app.kubernetes.io/name: tier	0 / 0	3 years ago
Storage Classes			pod-template-hash: 8545db798		
Cluster	● filter-deploy-6896d7ccf	git.docker.prod.walmart.com/kubemeet/heimv2.16.12	app.kubernetes.io/name: tier	0 / 0	3 years ago
Cluster Role Bindings	● filter-deploy-864c16747	git.docker.prod.walmart.com/kubemeet/heimv2.16.1	app.kubernetes.io/name: tier	0 / 0	3 years ago
Cluster Roles	● filter-deploy-499c945c4	git.docker.prod.walmart.com/kubemeet/heimv2.16.1	app.kubernetes.io/name: tier	0 / 0	5 years ago
Events			pod-template-hash: 699c945c4		
Namespace			app.kubernetes.io/resource: comm-shipment-server	0 / 0	
Network Policies			app.kubernetes.io/resource: profile: prod	Show all	

If we go to kubernetes and search the namespace, we can see sct-cs-autocomfirm and sct-cs -server. If the PO has been created through autoconfirm or autoready is will be presenting in sct-cs-autocomfirm. Same as mass, is the PO has been created by mass we need to sct-csmass- confirm. So once we know how the PO come through, we can go to the PODs for trouble shoot. And if we are not be able the find the logs and someone reporting the issue, that will be a time constrain. What we need to do is ask user to reupload the PO, then we will be able to check the logs.

<https://confluence.walmart.com/pages/viewpage.action?spaceKey=SUPCHL&title=BY+OneOps+Keys>

The screenshot shows the OneOps Enterprise Conference interface. On the left, there's a sidebar with navigation links like 'Enterprise Conference', 'Spaces', 'People', 'Calendars', and 'Create'. The main area is titled 'Assembly' and lists several components:

- Assembly:** services, tms-order-mgmt-util, tms-go-sync-to-jobs-and-tasks
- tms-velocity-finance:** Mule, disabled
  - tms-cost-to-oms
  - tms-edi858
  - tms-step-executables
- csCreatedShipmentBatch:** cs-created-shipment-process
- enricherBatch:** cs-enricher - prod us
- csStatusCheckBatch:** cs-monitor-process
- csAutoConfirmBatch:** NO ACCESS
- csAutoConfirmBatch:** NO ACCESS
- FreightServices:** OrderManagement, Private\_key\_EV, admin
- tms-finance-batches:** mule-ed-858-batch, mule-profiler-batch, mule-ed-858-misc-batch
- tms-finance-accruals:** No Platforms
- tms-finance-services:** profiler-services, Private\_key\_EV, app-readonly
- tms-finance-cost-batches:** No Platforms
- tms-income-trucking-income:** trucking-income, Private\_key\_EV, app-readonly
- tms-income-profile:** profile-splitter, Private\_key\_EV, app-readonly
- jde-event-producer-to-scheduler:** job-event-producer-to-scheduler, support\_key, app

PO work flow:

Created --> Updated --> Enriched --> Processing --> Confirmed --> Completed

So if a PO is fail to enrich, we can go through csEnricherBatch in Oneops, and login to the particular IP address to check logs and by searching with the PO number to trouble shoot.

Sometimes we may have validation ERROR, so what we can do it go to localhost DB and compare the PO information between 2 tables: trans\_order\_confirm and trans\_order. Make sure the information in those 2 tables are matches. Or we can us 9 digits number to check in tmsPlatform DB, if we go through table velocity\_error\_log, we may find out something. But if the velocity\_error\_log table is empty, we can still go to table object\_log, there will be few details we can find to help us.

The screenshot shows Oracle SQL Developer with a complex query. The code is as follows:

```

SELECT * FROM velocity_error_log WHERE object_id IN ('51611515') ORDER BY last_changed_datetime DESC;
--GEMBAIC : NO_TYPE code or BANNER code is null for legacy po#*
SELECT DISTINCT object_id FROM velocity_error_log
WHERE error_payload like '%GEMBAIC : NO_TYPE code or BANNER code is null for legacy po%*' AND
object_id IN ('51611515') ORDER BY last_changed_datetime DESC;
--GEMBAIC : Exception occurred == 409 Conflict: no body while splitting shipments for poNr # 5561573612
--"responseCode": "completedSuccessfully": "false", "error": [{"message": "No body while splitting shipments for poNr # 5561573612"}]
SELECT * FROM velocity_error_log WHERE object_id IN ('22082978', '730103435', '150103703', '730811954', '750812034');
--GEMBAIC : NO_TYPE code or BANNER code is null for legacy po#981040919
--GEMBAIC : Exception occurred == 409 Conflict: no body while splitting shipments for poNr # 5561573612
--"responseCode": "completedSuccessfully": "false", "error": [{"message": "No body while splitting shipments for poNr # 5561573612"}]
SELECT * FROM object_log WHERE object_id IN ('51611515') ORDER BY last_changed_datetime DESC;
--"responseCode": "completedSuccessfully": "true", "error": []

```

The results of the query are shown in the table below:

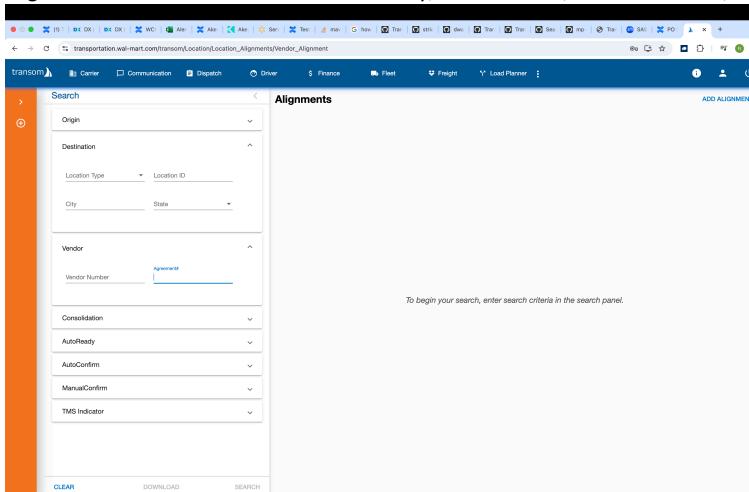
object_log_id	create_ts	create_userid	event_id	object_id	object_operation	object_payload	object_type	source_code	status_code
1,049,457,777	2023-02-03 21:35:30.739	oms-pya-proc	51611515	Autobreak	2023-02-03 21:35:30.739	Shipment	725	637	
1,049,457,885	2023-02-03 21:35:29.653	oms-pya-proc	51611515	Autobreak	2023-02-03 21:35:29.653	Shipment	725	637	



## Transom:

[https://transportation.wal-mart.com/transom/Location/Location\\_Alignments/Vendor\\_Alignment](https://transportation.wal-mart.com/transom/Location/Location_Alignments/Vendor_Alignment)

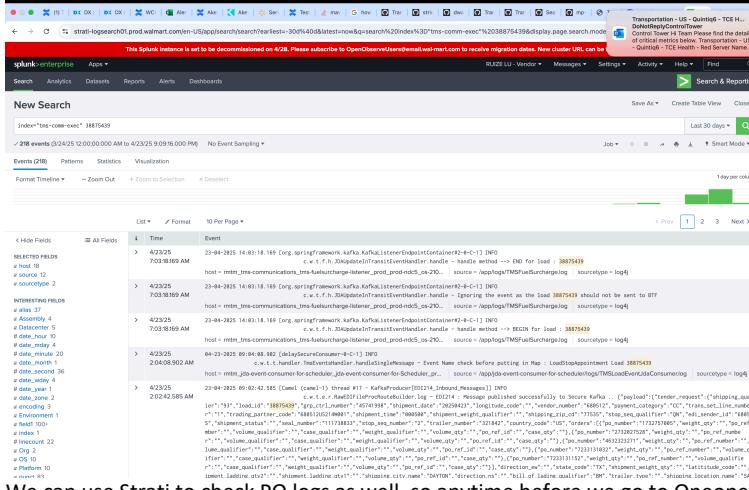
The link is related to Transom, we can use vendor agreement number to check for information. How we do it is click on 3 dots nearby loadplanner --> select location alignments --> Vender alignment. And we need to check auto-ready, auto-confirm, manual confirm, and TMS etc.



Strati:

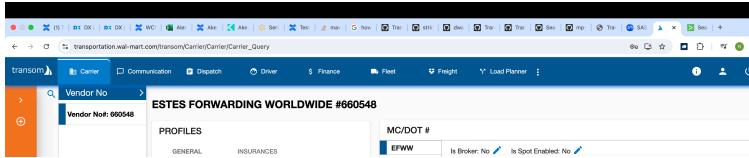
[https://strati-logsearch01.prod.walmart.com/en-US/app/search/search?earliest=-30d%2040d&latest=now&q=search%20index%3D%22tms-comm-exec%22%2038875439&display.page.search.mode=smart&dispatch.sample\\_ratio=1&sid=1745467756.20630CE1F5B36-2F7F-40CD-B0A4-35B21C650EC1](https://strati-logsearch01.prod.walmart.com/en-US/app/search/search?earliest=-30d%2040d&latest=now&q=search%20index%3D%22tms-comm-exec%22%2038875439&display.page.search.mode=smart&dispatch.sample_ratio=1&sid=1745467756.20630CE1F5B36-2F7F-40CD-B0A4-35B21C650EC1)

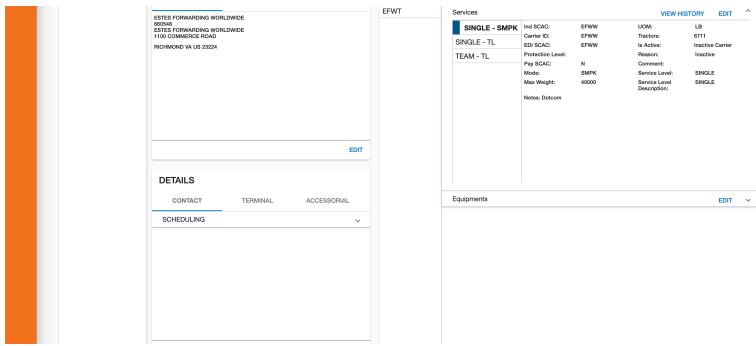
CE115D90 2171 40CD B07A 435D21C030E0



We can use Strati to check PO logs as well, so anytime before we go to Oneops we can check PO logs in Strati.

Sometime we need to remove carrier or insert carrier, DB tmsexecution is where we can execute. But for double confirm we can also go to transom --> Carrier --> Carrier Query --> insert Carrier/SCAC ID. Ind SCAC and EDI SCAC will not always be same. We only take EDI SCAC, and sometimes user will send us Ind SCAC by mistake, that's how we check. And we don't need update SCAC for user, we just provide details. And if they send it properly, we can see it through BY UI, but if they not able to do that, we can move load from open to planned, it will automatic set the carrier. But if the carrier is difference we need manually updated carrier and click submit. IN PLANNED status we can do everything.





## GMCP and GLS:

For GMCP and GLS we only use tmsPlatformServices DB. `velocity_error_log` and `object_log` are the two main tables we are going to use in DB. By using 9 digits PO number we will figure it out the status and object\_type

For GLS we can go to the [WCNP](#) and check logs there.

## The SQL script we use in localhost:

Check with PO number:

```
Select * from trans_order
Where po_nbr in ('9 digits PO number here')
```

Check with legacy PO number:

```
Select * from trans_order
Where legacy_po_nbr in ('10 digits PO number here')
```

Check number of PO status meaning:

```
Select * from trans_order_po_status_txt
```

Check PO status:

```
Select * from trans_order_po_status_log
Where po_nbr in ('9 digits PO number here')
Order by log_ts DESC
```

Check PO confirmation:

```
Select * from trans_order_confirm
Where po_nbr in ('9 digits PO number here')
```

## The SQL script we use in tmsPlatformServices:

```
Select * from velocity_error_log
Where object_id in ('9 digits PO number here')
```

Order by create\_ts DESC

### The SQL script we use in tmsexecution:

```
Select * from carrier_ediscac_xref  
Where SCAC = '4 letter SCAC number'
```

Check lags, from edi\_204\_queue table will send to EDI

```
Select CAST(create_ts as DATE) as 'StartDate',  
      CAST(DATEPART(Hour, create_ts) as varchar) + ': 00' as 'Hour',  
      COUNT(*) as 'COUNT'  
  From edi_204_queue  
 Group by CAST(create_ts as DATE), DATEPART(Hour, create_ts);
```

```
Select * from load_source  
Where load_id in (BY load ID here)  
##if we get a result here means it is a stride load, otherwise it is a BY load
```

### The SQL script we use in tmsordermgmt:

```
Select * from [tmsordermgmt-prod].tms_order_mgmt.supplier_shipment_trigger_ind  
Where dest_location_id = 4823  
And origin_loc_state is not null;
```