

Warehouse Inventory Transactions

Dynamics 365 FastTrack Architecture Insights

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Agenda


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- Motivation
 - What's changed
 - Braking changes
 - Availability
 - Call to action

Motivation

Performance

- With tracking dimensions
- Without tracking dimensions

<input type="radio"/>	Work status	Work type	Location	Item number	Product name	Work quan...
<input type="radio"/>	Closed	Pick	FL-001	A0001	HDMI 6' Cables	10.00



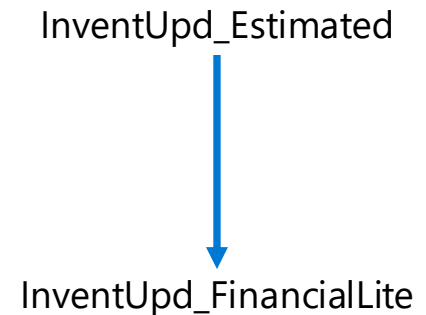
<input type="radio"/>	Item number	Physical date	Financial date	Reference	Number	Receipt	Issue	Quantity	Unit
<input type="radio"/>	A0001	8/25/2017	8/25/2017	Work	USMF-00...		Sold	-10.00	Pcs
<input type="radio"/>	A0001	8/25/2017	8/25/2017	Work	USMF-00...	Purchased		10.00	Pcs

Scalability

- Up to 70% of InventTrans records come from warehouse
- No easy way to clean them out

Maintenance


- Ability to innovate faster in the warehouse area



What's changed


WHSInventoryTranasction

- InventTrans counterpart
- Each transaction is a single operation
- Log style (append only)
- Auto archival

WHSInventoryTransaction	
 PK RecId	int
InventoryTransactionOriginId	guid
ItemSetId	guid
Type	enum
ReferenceCategory	enum
ReferenceId	str
StorageDimensions...	

WHSInventoryItemSetElement

- Reusable collection of items with their dimensions
- Allows for fast operations on large LPs

WHSInventoryItemSetElement	
 PK RecId	int
ItemSetId	guid
ItemId	str
HandlingQty	real
HandlingWeight	real
ProductDimensions...	
TrackingDimensions...	

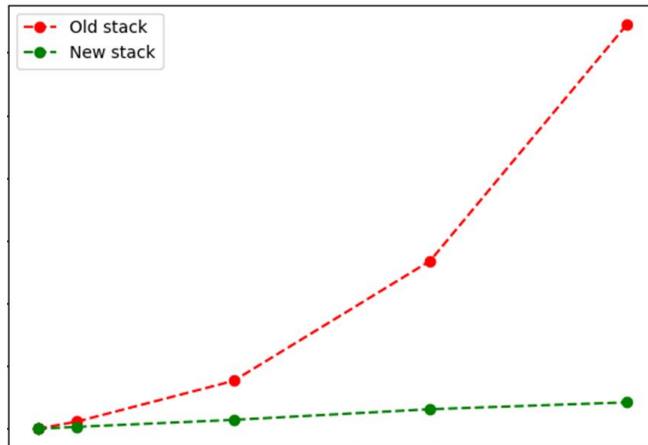
WHSWorkInventTrans

- Links to the above tables instead of InventTransOrigin

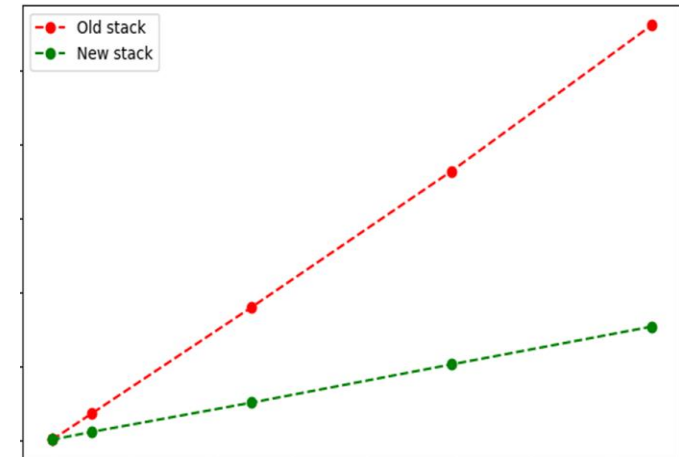
What's changed

Performance improvements

Tracking dimensions

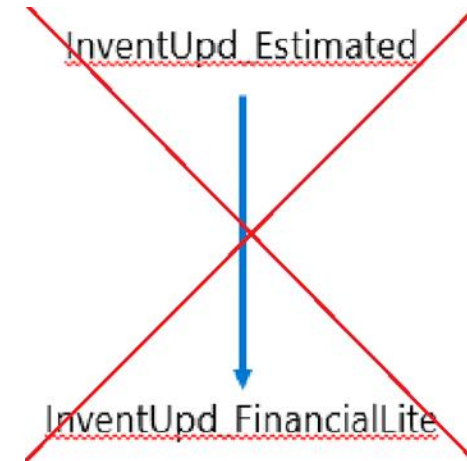


No tracking dimensions



Breaking changes

- No more InventTrans records for warehouse operations
- InventUpd* and InventMov* classes are not called
- Some fields are not populated
- Assume no financial updates coming from warehouse operations



Availability

10.0.31 – GA January 2023

- Feature is in private preview (behind a flight)
- Vanilla sales picking flow is supported
- Available for testing now

10.0.32 – GA March 2023

- Feature is in public preview
- All warehouse flows are supported
- Coding is already finished
- Available for testing January 30th 2023

Call to action

- Give it a try
- Join our Yammer channel at <https://aka.ms/warehouse-inventory-transactions-yammer>
- Give us feedback
- Join our weekly office hours (US and EMEA friendly times)
- Let us know if you want to uptake the feature soon – we are happy to help
- Plan for uptake – this will become the default in the future

Thank you