

# Release Notes Summary

## PipeChain 2020



### PipeChain 2020 01

Release Date: 2020-09-30

#### **Shipment transaction (PW03) could fail with a "class cast exception"**

If Selected Property 1080 was not set, a class cast exception would occur. A workaround is to set Selected Property 1080 to "false".

#### **Screen "Orders Pending Approval" did not show all orders pending approval**

Only orders in status "Pending Approval" were shown, but orders in later statuses, e.g. Partially Received, were not.

This logic was replaced with "does the order have any order line in status Pending Approval or Pending Approval (Previously Confirmed)":

Workaround: ReplenOrderStatus can be set to 48 directly in the database (by PipeChain Support).

#### **"Create Invoice" could fail with message "Transaction Conflict on Delete"**

If a Delivery Agreement was present, and the attribute UseConsignStock was set, this would occur. The error was corrected.

Workaround: Temporarily clear the attribute, then invoice, then set the attribute again.

#### **Partner Agreement Transaction (CS44) would fail if updating and attribute ContactUserId was missing**

The transaction would handle absent ContactUserId at INSERT but not at UPDATE. The error was corrected.

#### **CS02 Outbound Order Response tries to cancel wrong order line**

Added CS02 OrderHead attribute SearchOnPurchaseOrderId default true.

When false PurchaseOrderId is not used as a key to find Order Lines that were not found with SalesOrderLine and SalesOrderLineId.

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### Button Send New Delivery Plan in Outbound Order Lines

Button is visible when Selected Property 6006 SEND\_NEW\_DELIV\_PLAN\_BTN\_IN\_OUTDELIV, default false, is set to true.

Runs background jobs Generate Suggestions and - if Selected Property 78

SEND\_CS50\_AFTER\_GEN\_DELIV\_SUGG is set to true - Send New CS50 Delivery Plan to own ERP.

In All Order Lines, the button is enabled when a single customer and site is selected, and is applied to all customer products.

In Customer Product and Customer Duration Meter, the button is enabled if visible, and is applied to the expanded Customer Product Node row.

### Font Awesome icons have been fixed.

Font Awesome that is used by PipeChain is now served from our servers at <https://pipechain.com> instead of from Font Awesome's website. This removes the risk of files needed by Font Awesome suddenly being unavailable.

### Confirm of orders in past time

Allow web confirmation of orders in past time has not previously been possible - the user has been forced to change the shipment and reception time to no later than today's date. There has been a problem since version 2017 where the issue is when the order shipment and reception times are in the past time, but the user is not allowed to change the order's dates (according to the setting of Selected Properties 400-401). This issue has now been remedied, and confirmation is now possible.

However, the overdue order will then receive the current date as shipment date. Sometimes this is not desirable, and you want to be able to send the order confirmation as-is. Here Selected Property 29 "Allow web confirmation of orders in past time when time is not editable. Default false", comes into play. Enables this functionality of confirming overdue orders-as is by setting it to true.

Note that the property only comes into effect if there is no possibility of changing the order/lines date: i.e. Sel Prop 400/401 = 0. If the user is able to change the date, this property has no effect. Please note that confirmation in past time is allowed by transaction PW02 InboundOrderResponse regardless of the setting of this property.

### Setting the name of the server log file

The property `se.masystem.pipeline.server.log.file` can now (as intended) be used to set the name of the server's log file.

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### **Fixed Selected Properties not being sortable by Setting Last Updated**

In the Java client, in the Selected Properties view, selected properties can now properly be sorted by Setting Last Updated.

### **Fixed quantity in replenishment share, the other supplier would sometimes see "his" demand**

If there are two suppliers to a product and one supplier is set up with a "fixed quantity share", the other supplier would sometimes not see his share at all.

There could also appear an unexpected "one unit per week" quantity diff (positive or negative), i.e. 0.2 units per day.

The error was corrected.

### **Web Client: Stack Traces no longer available in Error Dialog**

Up till now it's been possible to display an error's stack trace in the error dialog, by pressing the "Details" button. That functionality is no longer available.

### **New outbound view has been added where the user can receive order lines.**

New outbound view called has been added where order lines that can be received are displayed. The user can mark lines and enter the quantity they want to receive for each line, and then use the Receive Lines button at the top to receive all marked lines.

### **Excel export shows missing dates as 1970-01-01**

Exporting a pipechain grid into excel generates an excel sheet where missing dates are expressed as "1970-01-01" (or correspondent value of your date format). In the web portal, missing dates are shown as blank.

Changed the excel export so that missing dates are displayed as in the web portal.

### **Split in OrderResponse transactions PW02 and CS02 salesorder ids copied from original**

In the OrderResponse transactions PW02 and CS02 the behaviour has been that on a split, SalesOrderId, SalesSubOrderId, SalesOrderLineId have been copied from the original delivery (if present). They should be set from transaction if non-blank, before defaulting to copy the original delivery's data. This issue has now been addressed.

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### **Updating Super Users' Profiles after inserting new Site**

There's been problems updating all relevant Super Users' Site-Profiles when adding new Sites. The problem is now corrected, so that adding new Sites will update the Super Users correctly.

A workaround to create missing Site-Profiles is to update any Site.

### **CS02 Outbound Order Response - Finished Order Line not checked if CreateOrderLineIfMissing set to true**

CS02 Outbound Order Response - Removed CreateOrderLineIfMissing from condition for checking if Order Line is Finished. ReplaceAll is now what decides whether to check Finished or not, same as for Inbound Order Response.

### **null-pointer error when trying to show web screen Own Site**

This would happen if the screen would show one or more sites with an erroneous mailaddress syntax (e.g. with no @).

The error was corrected.

### **Barcode CodeType=128 codeset A, B and C Support**

Added support for setting a specific codeset (A, B or C) for CodeType=128. Use Selected Property 1554 "Barcode parameters", and supply the parameter "CodeType=128X" where X is A, B or C. Omitting codetype defaults to CodeType 128.

Also changed the resolution for the type 128 barcodes to 300 dpi (previously 150 dpi).

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### PipeChain 2020 02

Release Date: 2020-10-08

#### **View more than one forecast date (forecast plan) per day in Forecast History view**

The Forecast History view shows the selection of forecast by date, which usually is the case, as normally the flow is that you only send one forecast per day. If there is a second (third, etc) forecast, it is a correction of that first forecast. However, some clients use the flow where they send multiple unique forecasts per day. In that case, only the latest forecast is displayed in the selector, which is less than optimal.

To address this issue, the new Selected Property 7017 View more than one forecast date (forecast plan) per day in Forecast History has been created. False is the default, as normally you only want to see the latest forecast for that date. True will show all the forecasts, which may or may not be multiple forecasts on one single date. However, for performance reasons, only a maximum of 1000 different forecasts are displayed in the picker.

#### **If a Delivery Schedule transaction (CS38 for supplier side, PW51 for customer) creates an order, DeliverTo and ShipTo addresses are not always saved**

The error was corrected.

If an address appears in the transaction, it is used (corrected for PW51). Else, an address configured on the partner is used (added for both CS38 and PW51).

#### **Inbound Orders transaction (PW01) did not handle customer changes correctly**

If an order line was changed, the order itself was declared as "changed" but the order line was declared as "unchanged".

The error was corrected.

### PipeChain 2020 03

Release Date: 2020-10-12

#### **Maximum length for Sales Order Id**

There is a new selected property 243 "Maximum allowed number of characters in Sales Order Id upon confirmation. 0 = no limit." Set this property up to a number larger than 0 (default), and you limit the length of the Sales Order Id you can supply at confirmation.

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### PipeChain 2020 04

Release Date: 2020-10-13

#### **Web client function "Print Order" could not handle order lines that were split "IFS style"**

Print Order means that the ORIGINAL order should be printed - without confirmation changes such as split lines.

The logic that suppressed such split orders relied on "RemainderRowNo" to be an integer number starting with "0", but in the IFS case, these start with "1". These are added as suffixes to the "Delivery Id" key.

The logic was changed so that the lowest found "Delivery Id" is used, and the other are suppressed.

#### **Supplier with pallets and packages cannot despatch**

Due to an internal error, some suppliers that are using both packages and pallets (selected properties 200 and 210 respectively) cannot successfully open the despatch screen. This may have a connection to use of despatch package instructions.

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### PipeChain 2020 05

Release Date: 2020-11-23

#### **New shortcut icon for the java client.**

The java client now has a new shortcut icon.

#### **Fixed Web Service for getting Invoice Deliveries not returning a response.**

Web Service for getting Invoice Deliveries will no longer fail to return a response when request contains an invoice row referring to an order containing cancelled rows.

#### **The correct buttons will now show when viewing an order with lines that are pending approval**

The correct buttons will now show when viewing orders that have lines with status pending approval, but not being in status pending order itself.

#### **Analyzer Poll may fail when saving to Product dimension**

The error was introduced in PipeChain 2020 SP00.

#### **Same reception registration in CS38 DeliveryPlan erroneously increases Dmd Qty of orderline**

It is an error in the logic when you send in the very same goods reception in CS38 Delivery Plan several times.

The first time after shipping it will be correct. Quantity 4 (left to receive). 5 are received here, a total of 9.

The second time you miss in one place in the code that you have already made this reception. The consequence is that your count is at another reception as there are 5 more left to receive: 4 (left to receive). Another 5 are received here, for a total of  $4 + 5$  (previously received + 5 (now received)) = 14 Dmd Qty on the orderline.

However, when you have to do the actual reception, you will find that this reception has been done before, and do not register it double. Therefore, you get the strange result that on the order line there will be only 5 received, 9 shipped, and 14 ordered (which comes from the double reception).

This issue has now been addressed.

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### PipeChain 2020 06

Release Date: 2021-02-17

#### **DEV7027 Different transportunitlabel printouts for jonit despatches**

The ability to select from available printout for order subtype (delivery subtype labels) have now been compatible with joint despatches. Previously, only the first order found in the despatch was taken into consideration, as no requirement was that orders with different order subtype and printout settings was to be joint deliverable. This issue has now been rectified, and you can now print the available transportunit labels from each order subtype as a selection in the transportunit label dropdown.

Also removed the option of printing the first available transportunit label from the overview/view header when there are multiple transportunit labels to choose from, forcing the user to make an active choice.

#### **DeliverySchedule CS38/PW51 Reception Registration receptiontime resolution set to seconds**

DeliverySchedule Reception Registration receptiontime resolution was previously on a minute level. It is now on a second level.

#### **Fixed attachment links in All Order Lines view not appearing.**

In the All Order Lines view, attachment file names were showing up, but were not clickable. This has now been fixed.

#### **Orders Pending Approval could fail in the remedying operations**

Orders in status "Pending Approval" would function as planned, but orders in later statuses, e.g. Partially Received, failed.

This logic was replaced with "does the order have any order line in status Pending Approval or Pending Approval (Previously Confirmed)":

Workaround: ReplenOrderStatus can be set to 48 directly in the database (by PipeChain Support).

#### **Transaction CS08 with erroneous Prodlid would fail with unpleasant consequences**

The transaction would finish in status "Processed with Error" with a suitable error message, but in the database the OwnProdNode object would be created, whereas the ProdDef object would not.

This would cause errors at any usage of the product. Often just a "null" error.

The error was corrected.

If the error occurs, the product can be deleted from the PipeChain client screen "Own Bucket Overview".



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### **Error in inboundCS80 Invoice transaction error handling missing message.**

The problem presents itself as InboundCS80 Invoice transactions processed fails with error. No more information is presented in the message log than: "MACom transaction processing error: Transaction number 563769 could not be processed. null".

This is due to an error in the error handling that will manifest itself. The frequent cause for this is that a business agreement could not be found for the partner. Either the supplier (SupplierId) or the biznodealias (CustomerId) is erroneous, and the business agreement could not be found.

This issue has now been resolved and the proper error message is shown: "The system could not find the unique business agreement BizNodeId = '405255' AND DelivAddressId = " AND BizNodeType = 20 AND SiteKey = 1 AND OwnBizNodeIdAlias = '101681' AND OwnBizNodeAddressAlias = ".

### **Monitor Supplier / Orders to Confirm**

The count of Orders to Confirm in the Supplier's Monitor view is now updated to match the remarks in the Orders to Confirm view. Please note that Orders may also have other remarks than those concerning late confirmation.

### **Property Values view to web client**

A Property Values view has been added to the web client. Is also visible in the Selected Properties view where you can see what property values a selected property currently have.

### **Bad performance in Order Overview to Order Detail**

The order screen overview is slow when the database is large, and especially when the site and partner selection returns many records. The browse records-functionality in the detail screens itself comes with a severe performance hit when the data selection is large, which makes the transition from Order Overview to Order Detail appallingly slow. Users report a "hang" system.

These issues has been adressed with:

Optimized InboundOrder view SQL and BusinessObject-lookup, gaining a huge performance improvement.

Severity markers (colors) has been optimized with for 21% shorter execution time

Browse records is now governed by servlet property pipechain.useBrowseRecords, which by default is switched off.

With the browse record switched off, the worst case scenario now executes 600 times faster in the data layer.

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### **New value of "hide" added to Selected Property 1390 UseRoundOff**

New value of "hide" added to Selected Property 1390 UseRoundOff. The new description is: Rounding option for Create Invoice. Valid values: none/false, manual, auto/true, hide (hide removes the option and no rounding is made). Default: None".

Used to define if a Round Off Setting should be set as a default in the Create Invoice screen, or hidden. Valid values are "None", "Auto", "Manual", and "Hide". Hide removes the RoundOff option from the screen and the setting value is treated as "None" for calculations, i.e. no roundoff is made. Since DEV7141 no longer a Boolean, but a string, corresponding to the RoundOffSetting class. The legacy values of true and false are still supported; "True" resolves to "Auto" and "False" to "None".

### **Order Generation Strategy "Single Line"**

Setting Delivery Suggestion Parameter "Order Generation Strategy" to "Single Line" will now actually create one order per order line.

### **Transport unit label cannot be printed from the overview screen**

After the latest service pack the transport unit label cannot be printed from the overview screen, in some instances. Printing from the detail view does work, however, and is a valid workaround. This issue has now been addressed.

Also added DelivSubTypeLabel to the Despatch Detail screen.

### **Non-scrolling web overview screens returns 1001 rows.**

Web screens that are not of the type "load data as you scroll" returns a maximum of 1000 rows for performance issues, as many special screens (like Forecast History). Due to a bug in the platform, they return 1001 rows. This has now been corrected.

### **Monitor Supplier / Orders to Confirm**

The Orders to Confirm column in the Monitor Supplier screen now counts all confirmable orders. Orders with a confirmation reminder shows up as red.

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### Conditions for shipping and signaling of late shipments in Monitor view

Orders no longer appear in the 'Orders to Ship' view when the flag 'Expect Despatch Advice' is off in Process Configuration.

The rules for signalling yellow or red shipment in the Monitor view have also been changed

- The flag 'Expect Despatch Advice' must be on.
  - Yellow warning appears Y hours before the shipment time runs out. Y can be set as the property `se.pipechain.ship.order.warning` in the server's property file. It defaults to 0.
  - Red warning appears R hours after the shipment time runs out. R can be set as the property `se.pipechain.ship.order.error` in the server's property file. It defaults to 16.
- Please note that when shipment time is given as a date, then the shipment time is considered to be 00:00.

Property file example:

```
se.pipechain.ship.order.warning = 1  
se.pipechain.ship.order.error = 20
```

### Added Selected Property #1577

Selected Property #1577 has been added. It controls whether CS50 daily demands are grouped by date (Deliv Time) or not.

### Supply database cleanup for TransactionInfo

The night job Supply database cleanup are never run for the TransactionInfo table. This issue has now been resolved.

### Action on installation

Run the sql script present in the PLUS-catalogue. The script also adds indexes and moves the table to MACOM, improving performance.

### Improvements in Transaction Overview: Expanded web screen with more and new fields

New fields from transaction logging are now available in the MAComTransaction view, most notably order identities, as well as delivery note id and invoice number. The view also now show remarks, and have more search and sort options. Do mind that purchase order id and sales order id comes with somewhat of a performance cost.

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### PipeChain 2020 07

Release Date: 2021-05-18

#### **Odd number of digits cannot be printed if barcodes are printed with Barcode 128C**

When labels are set up to be printed using Barcode type 128C and the filtered number of digits are odd, the barcodes are not printed to the label. This is due to 128C compression requirement to always use an even number of digits. This issue has been addressed by padding the number printed with a leading "0".

#### **Customer Product View - SMI Filter and Selected Properties 6003 and 10031**

The 'SMI Filter' button in the Customer Product view is now a personal setting (previously, it was a global setting controlled by Sel Prop 10031).

Sel Prop 10031 now only serves as initial setting, before user changes it.

Sel Prop 6003 can be used to override, and force Suppliers to view SMI products only.

#### **Partnerselector performance issues addressed**

It can take a long time for the partnerselector to open, several seconds. This affects users with access to many sites and all suppliers, ie users of role OWN. This issue has now been remedied, and the performance has been much improved. Also fixed the same issues for the views ProductPriceAgreement and the Report view.

#### **Session caching of SelectedProperty mismatch**

Session caching of SelectedProperty can sometimes mismatch and not read the actual setting. This can result in reconfirmation being impossible, for example.

This issue has now been addressed;

Fixed session selected property cache key store and lookup error

Initialize and use session selected propertycache in order and shipindeliv screens

#### **Transaction CS03 Despatch Advice does not pick deliveries to ship according to status**

When using a partial delivery key, as customer+product, the transaction reader algorithm can choose to ship suggestions, which are not allowed to ship, even when confirmed deliveries are present. This issue has now been addressed, and orderlines with shippable statuses, where available, are selected before unshippable statuses.

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### **New logic for reception time when shipping orders with DelivSubTypeLabel = "Direct Order"**

When shipping order in Inbound Order view or when processing a PW03, if the order has DelivSubTypeLabel = "Direct Order", reception time will be calculated by taking the difference in days between last confirmed shipment time and last confirmed reception time of an outbound delivery for that order and adding that to the shipment date entered by the user or written in the PW03.

### **Calendar Advanced search working in scrollable table**

Advanced search calendar (datepicker) was not working in working in scrollable table with fixed columns. This issue has now been addressed.

### **Improvements in Transaction Overview - Improved logging in transactions**

Some transactions that logs data to transaction overview and transaction info overview have not been logging into all available data fields. This issue has now been addressed.

### **An issue in CS02 could generate a processed error "Could not fetch PurchaseOrderId from document"**

An issue that PurchaseOrderId was not parsed correctly in CS02, was introduced in 19R2 SP 37.00.00. This could generate a processed error: "Could not fetch PurchaseOrderId from document". This has now been corrected.

### **CS02, processed error: "Could not fetch PurchaseOrderId from document", 19R2 SP 37.00.00 (part 2)**

Added check to make sure PipeChainOrderId was present before trying to fetch it from the parser since it is not a mandatory item.

### **Notification mail not sent nor logged from CS38/PW51 DeliverySchedule**

Several issues has been corrected in the CS38/PW51 transaction reader

- 1) MP01 Purchase Order Change mail is not created for all cases of order change.
- 2) MP01 Order Change and Forecast Notification mail created by CS38/PW51 is not logged.
- 3) Order status Change requested is reset when new CS38/PW51 arrives without changes.
- 4) Partially received orders is not updated with new dmd reception time.

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### **Analyzer Poll could fail with a null-pointer message when saving Delivery Forecast**

An error was corrected 2020-07-29 because product dimension from delivery data could be updated very often. This was applied from version 2019 R1 and upwards.

A part of this correction was to avoid Delivery Statuses below REQUESTED, as the latest Order Date were used (lower statuses do not have an Order Date).

Unfortunately, this created another problem. Sometimes a ProdId could occur ONLY in a forecast, and then the forecast could not be connected to the Product Dimension and Analyzer Poll would fail.

Now, lower Delivery Statuses are again used to retrieve ProdId. This usage is restricted to INSERT, it may never UPDATE the Product Dimension.

### **DEV7147 - Avoid CS38 DeliverySchedules transaction trigger Change Request when no changes**

In the case that the customer is not updating their order data with the confirmed values the suppliers send on order confirmation, and instead are sending the demand data, every Delivery Schedule will trigger a (customer) change request for every order where the supplier has confirmed with any changes. This case is already remedied in the order process where you can set up the selected property 75 to make the comparison with the customer previously sent values, instead of the supplier confirmed values.

The problem has been addressed by expanding the functionality of selected property 75 to be able to include CS38 and PW51 as well. Please refer to the selected property documentation.

### **DEV7148 - Extend Order Change notification with order line information**

Added remainder row number information (when present) to Order Deviation and Despatch Deviation mails.

### **PipeChain Client - Performance issue**

Fixed a performance issue in the PipeChain client. When changing screens, the screen left would sometimes perform an extra refresh to no use. That problem is now solved.