

PipeChain Release Notes 4.9.2

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1 WELCOME

PipeChain is a software system that automates the flow of goods between companies, in production, between production and sales within a company.

Website: www.pipechain.com

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NOTICE

Information in this document is subject to change without notice.

2 UPGRADE TO VERSION 4.9.2

Here are actions for what to do before installation of PipeChain 4.9.2. Document describing how to install PipeChain 4.9.2 can be found at Customer login at www.pipechain.com - [Flow on demand](#)

2.1 Actions before upgrading to PipeChain 4.9.2

Before upgrading to PipeChain 4.9.2 from a previous version than 4.9.1, please follow the instructions in release notes for all previous releases of PipeChain that you need to check. See www.pipechain.com at Customer login for earlier release notes.

PipeChain Analyzer 4.9.2 does NOT support SQL Server 2000. SQL Server 2005 or SQL Server 2008 is required.

3 RELEASE NOTES PIPECHAIN 4.9.2

Release notes is a list of all new functions made in PipeChain 4.9.2. The list also includes all new functions and corrections delivered in service packs in PipeChain 4.9.1.

Please notice that this list is not updated after the release date of 4.9.2. Any new service pack in PipeChain 4.9.1 created after the release date of 4.9.1 is not included but can be found at www.pipechain.com, Customer login/Documentation/4.9.1/Service Pack Notes

3.1 New functions and improvements in 4.9.2

3.1.1. POC: Four new fields in Blanket OrderLine

Four new fields are added to blanket order. These new four field are shown in blanket order tab in Delivery Agreement screen and are used in goods reception screen for POC.

1. Blanket Quantity - shows the maximum quantity that should be received for this blanket order line
2. Received Quantity - shows the quantity that is received until now for this blanket order line
3. Blanket Amount - shows the maximum amount (cost) that should be received for this blanket order line
4. Received Amount - shows the amount (cost) that is received until now for this blanket order line

3.1.2. Possible to retrieve received order lines for a delivery note by a new web service

There is a new web service that can be used to get information about received order lines belonging to a delivery note. The Web service returns following data for each order line

SiteId, Supplier Id, Supplier Delivery Address Id, Delivery Note Id, OrderId, Order Line Id, Product Id, Product Variant, Quantity, Unit Price, Price Code, Account

3.1.3. POC: New screen in POC for goods reception

New screen in POC for goods reception is introduced. Note this screen should be used by customer when using POC. The screen supports reception of a whole order and shows data from blanket order about max and actual values for quantity and amount (cost) for each blanket order line (product).

3.1.4. Platform: Event Scanning BGJob stability

The 'Event Scanning' background job no longer crashes when Event owning User is missing.

3.1.5. POC: Add new row to Invoice

The functionality of the Add new invoice row-button in Create Invoice-screen in the Web Interface has been extended to incorporate new columns, and bugs have been weeded out.

This button is governed by Selected Property 34, AllowExtraInvoiceRows

3.1.6. POC, Supply: Improved Recipient Info in Delivery Agreement Detail screens

Delivery Recipient and Goods Recipient was added to Outbound Delivery Agreement Detail screen (already present on Inbound ditto).

Link jumps to the Address screen were corrected, since focus was always on the first Address line.

Since both "Advanced" tabs have become very large, attributes for

- Generation of Suggestions

- Sending of Suggestions

- Confirmation Margin

- Backlog

were moved to the new tab "Delivery Suggestion Parameters".

3.1.7. Platform: AutoConfirm via Event transactions

Event transactions can be used to automatically confirm Messages and MACom Transactions. This is intended as a help for System Administrators.

The function requires that

- Events are configured and activated
- the Event Scanning background job is enabled
- the event User has enabled Event Export
- the event User has enabled AutoConfirm by adding the string "AutoConfirm" somewhere in the Description field (this is changed to a checkbox in version 4.9.3)

The function is executed by the Event Scanning background job. Before creating new event transactions, the available event transactions are used for AutoConfirm if

- the Event transaction is not already handled
- the Event transaction was successfully transmitted
- the corresponding User conforms to the above conditions

All Messages and MACom Transactions identified by such Event transactions are automatically confirmed.

3.1.8. Supply: Possible to delete finished inbound orders and finished inbound deliveries

Previously, delete of finished inbound orders and deliveries were not allowed. Only the background cleanup job was allowed to delete old items.

Delete of finished inbound orders is now possible and require the privilege Configuring. Delete of an finished inbound delivery (as opposed to deleting the entire order) requires the privilege Siteadmin. Outbound uses the same rules.

3.1.9. Platform: UNB support in outbound transactions

For every bussiness node (supplier, customer and own bussiness) you can now enter the Edifact UNB-address under the tab connection. If these values are not blank, this data will be in put in the the Receiver and Sender elements in all outbound transactions from PipeChain. This superceeds the values that are possible to put in the Channel-Transaction mapping.

3.1.10. Platform: Background job recovery after distubancies

The running of background jobs could stop after periods of network distubancies. These problems are now fixed.

3.1.11. SOC: Shipment and reception time is corrected for inbound order head in Commission Call-off

Previous, the shipment and reception time for inbound order head was fetched from first outbound orderline.

Now - it is fetched from the outbound order head.

3.1.12. SOC: The reception time in basket line is not automatically changed to same value as on order head

Previous, the recption time on line was changed to the one in head - if it was changed.

3.1.13. POC: Restriction on number of suppliers to show Despatch Order Lines with "All Suppliers"

When a user has access to more than a certain number of suppliers, he can no longer show the 'Despatch Order Lines' screen with the supplier selector set to "All Suppliers". Instead, he will see an instruction to select a single Supplier.

The reason behind this change is performance and stability.

3.1.14. Supply: Profile setting för Net Demand and Gross Demand POC screens

There was an error in the Profile Definitions for the POC screens Net Demand and Gross Demand, causing strange effects when trying to set their privileges. That error is now fixed.

3.1.15. Supply: Ship Order screens is now shown after shipping a despatch

Ship Order screens is now shown after shipping a despatch. Before was the Destatch Overview screen shown with possiblillity to invoice the despatch, but this was no good solution as user normaly don't want to invoice directly after creating the despatch. From now on is Ship Order or Ship Order Line screen shown after shipping.

3.1.16. Supply: Weekly transport dates can be modified in the Outbound Reception Schedule Detail screen by supplier

The weekly transport dates can be modified in the Outbound Reception Schedule Detail screen by supplier. Following is required;

- The supplier has privileges to configure.
- The timezones för supplier has to be equal to customer.

3.1.17. SOC: New order in web shop price range

If the price list is to be shown for user, it is placed first instead of last.

3.1.18. POC: Supplier's Calendar screen

A new screen lets the supplier edit a calendar. Weekdays and speciffic days that are closed can be entered.

3.1.19. Supply: The Flow model functionality is extended with DisregardFMDmdBefore, DisregardFMDmdAfter and DeliverToCustomer

The values DisregardFMDmdBefore and DisregardFMDmdAfter can be set either by Product Definition message (CS08), Delivery Agreement Definition message (CS10) or interactively in the Advanced folder in the Delivery Agreement Detail screen.

These values are used when the Flow model from customer (CS21) is read into PipeChain. Flow periods before DisregardFMDmdBefore and after DisregardFMDmdAfter are removed.

The FlowModel transaction (CS21) now also supports a "DeliverToCustomer" element in the "FlowModelDeliveryAgreementData" section.

3.1.20. POC: Added Print Buttons in Web interface Despatch Detail screen

Print buttons has been added to the Despatch Detail screen. Previously, you could only print from Despatch Overview. Print buttons are only visible when for a despatch that is sent.

3.1.21. Link from DelivNoteId attribute to OrderLine, Delivery and Finished Delivery Detail to Despatch Detail screen

To provide a fast way to see the orderlines despatch, a link from the Detail screen's DelivNoteId attribute to the Despatch Detail has been implemented.

Please note that even though na orderline could have been shipped multiple times, only one DeliveryNoteId is shown.

3.1.22. Supply: Own balance was updated twice in In & Out Deliveries in Inventory Chart

Own balance was updated twice in In & Out Deliveries in Inventory Chart. This error is now corrected.

3.1.23. Supply: The invoice printout is generated if the invoice is created from a transaction (CS80) as well, not only from POC web

The PR80 Transaction has to be assigned to a channel.

3.1.24. Supply: Performance improvement in the PipeChain Supply Overview screen

The PipeChain Supply Overview screen, which is the the first screen you come to after login, sometimes suffer from poor performance. Depending on the number and state of Inbound Deliveries, the screen could sometimes take several minutes to load. That problem is now fixed.

3.1.25. Supply: The despatch advice (CS48) generated from supplier integration (PW03) is corrected

The supplier Id in CS48 is corrected to the value known by customer.

3.1.26. Supply: CS02 Orderresponse does not add/subtract leadtime to reception-/and shipment time

If the products Delivery Agreement is set up to use a transport Schedule, the leadtime specified in the Agreement is disregarded when calculating the shipmenttime from receptiontime and vice versa.

Also affects PW02 and updates via the CS38, CS40, and PW40. This error is not present in 4.8.0 and onwards.

3.2 New functions in 4.9.1 service packs

3.2.1. POC: Add new row to Invoice (SP03)

The functionality of the Add new invoice row-button in Create Invoice-screen in the Web Interface has been extended to incorporate new columns, and bugs has been weeded out.

This button is goverend by Selected Property 34, AllowExtraInvoiceRows

3.2.2. New fields added to Claim Mail (SP03)

Following new fields are added to Claim Mail:

1. Supplier (SiteId and Site Name)
2. Customer Name (Schema change)
3. Sales Order Id and line
4. Supplier Product Id
5. Supplier Product Name

Purchase Order Id and Line is moved to "Head" of Claim Mail.

The xml schema is updated with customer name

3.3 Corrections in 4.9.1 service packs

3.3.1. CS80 Invoice transaction corrections (SP01)

Corrected handling of the roundingAdjustment in incomming CS80 so that it is used when calculating

Gross And Tax.

Also corrected a programming error where rateofexchange and rateofexchange values where erroneous

3.3.2. SOC: New order in web shop price range (SP01)

If the price list is to be shown for user, it is placed first instead of last.

3.3.3. CS80 should be processed error if expecting DESADV and no despatch object found in PipeChain (SP01)

CS80 should be processed error if expecting DESADV and no despatch object found in PipeChain. This error is now corrected.

3.3.4. POC: CS38 DeliverySchedule nullexception correction

If you had an orderrow (as opposed to forecastrow) which had an orderreference, and that order was missing in pipechain, you would get a nullexception in the transaction reader, as this should not happen. This eventuality is now handled - A warning is logged if the order is missing.

3.3.5. SOC: Shipment and reception time is corrected for inbound order head in Commission Call-off

Previous, the shipment and reception time for inbound order head was fetched from first outbound orderline. Now - it is fetched from the outbound order head.

3.3.6. POC: CS38 DeliverySchedule transaction; Improved handling of orderlines with status 2

Lines that are of status 2 ("Commitment for manufacturing") are in a state between forecast and firm (=order). An orderline reference might exist, and even if such a reference exists, the order itself might not exist. PipeChain use to handle the latter case as an error. This is now seen as normal. A warning is logged if the order does not exist when it should. Please note that this behaviour has been changed in later service packs, where no warning for a missing order is logged if the line is in forecast status 2, but an error is if the forecast status is 1 and the order is missing.

3.3.7. POC: Conditional display of link to order in Web Forecast Overview screen

Lines that are of status 2 ("Commitment for manufacturing") are in a state between forecast and firm (=order). An orderline reference might exist, and even if such a reference exists, the order itself might not exist. The forecast overview screen now only displays the ordernumber as a link for a line of status 2 if an order actually exists.

3.3.8. POC: Optimized POC webinterface screen Despatch Order Lines for faster display.

Optimized Despatch Order Lines so it would run faster by eliminating datasources not used. Also other (Order) overview screens should notice a performance gain. Should considerably lessen the strain on the server.

3.3.9. POC: Profile setting for Net Demand and Gross Demand POC screens

There was an error in the Profile Definitions for the POC screens Net Demand and Gross Demand, causing strange effects when trying to set their privileges. That error is now fixed. Review your Profile settings for the mentioned screens.

3.3.10. POC: Restriction on number of suppliers to show Despatch Order Lines with "All Suppliers"

When a user has access to more than a certain number of suppliers, he can no longer show the 'Despatch Order Lines' screen with the supplier selector set to "All Suppliers". Instead, he will see an instruction to select a single Supplier.

The reason behind this change is performance and stability.

Max number of suppliers is set as the `se.masystem.Websuppl.DespatchOrderLines.MaxSuppliers` property in `Servlet.properties`. Please note that missing property sets the restriction to 5.

3.3.11. POC: Invoice printout including PR80 VAT in account currency

Some issues where the formatting and fetching of the report have been solved. An upgraded invoice report file (`StdInvoice.xml`) must be used for this Service Pack and onward.

If no account currency is found in the invoice, the data is fetched from Selected Property 104. If no invoice currency is found, the currency used is from the order, if available.

3.3.12. Plattform: Handled background job Update Order Statuses unnecessary error in message log

The background job Update Order Statuses mission is to ensure the correct status of orders. It is triggered via several events. If the order had been deleted or moved to finished during the run of the background job, the job fails and logs an error. This this circumstance is not exceptional, only rare. The background job now continues to process any remaining orders, and does not log any errors.

3.3.13. POC: Invoice CS80 TotalAmountExclTax/GrossNet uses value of TotalAmountRowsExclTax/GrossRows

SP01 introduced an error where TotalAmountRowsExclTax is used for the value of TotalAmountExclTax. These will differ if you are using invoice fees other than taxes on the invoice head. The CS80 Invoice transaction will be processed error if you have invoice check enabled. Does not affect invoices created by the supplier on the PipeChain Web.

3.3.14. CS02 OrderResponse transaction now handles cancellation of already cancelled orderlines

A cancellation by CS02 OrderResponse transaction on an orderline that is already cancelled is no longer handled as a fault. Previously, that line caused the transaction to be processed with error, and processing continued. Now this line will not cause error, but an information-only message will be logged.

3.3.15. Corrected label on Order and Orderline General Information text

The label for "General Information" on both Order and Orderline showed "Line Information" or "Deviation Information". Changed to show "General Information" in all instances. Note that Order General Information in SOC is called "Head Information".

3.3.16. Change of Forecast row in CS38 DeliverySchedule turns up wrong delivstatus

A Forecast row in CS38 DeliverySchedule that is changed from previous forecast, erroneously got their delivstatus from "Forecast" to "Change Requested". Only Firm rows (ie an actual order) should change their status. Forecast rows should always use the delivstatus "Forecast". This issue has now been remedied.

3.3.17. Web supplier's Outbound Order Overview screen does not count finished order lines

The orderlines column in the Web supplier's Outbound Order Overview screen does not count the orderlines that are finished. Changed this behaviour. Also added the respective orderlines count (order lines/finished order lines) on the respective tab header in Outbound Order Detail screen in the web.

3.3.18. Supply: Sales Order Id in Web Confirm Replenishment Order Lines

Previously the SalesOrderId was only fetched from the Head. You could thus not have different Sales Order Id's on a Replenishment order, even though the actual field is open for input. Also, SalesSubOrderId was not handled. Rectified these issues.

3.3.19. Web Shop: Checking out basket when price range expired

It's been possible to check out a basket line where the price range has expired when the selected property 10003 was set to "order date". That is no longer the case.

3.3.20. Suppliers Web Forecast Delivery Period Overview shows DelivQty instead of DmdQty

The forecast screen is supposed to display Demanded Quantity, instead of Delivery Quantity - which for a forecast has little meaning, and is just set to original Demanded Qty.
This issue has now been addressed.

3.3.21. Search in Web Forecast Delivery Period Overview does not include all results

The results you get when searching in this screen by date does not include the from and to-dates, which becomes obvious when you search for a single date, but also a search for a one date interval could return zero hits even though there is data.

3.3.22. Platform: Background job recovery after disturbances

The running of background jobs could stop after periods of network disturbances. These problems are now fixed. 5 / 7 2012-07-27 16:36:57

3.3.23. Web Confirm via Order and Forecast screens yield different dates, CS05 OrderResponse transaction

There is a business logic in the order screen that does not allow you to confirm an order with data that results in a reception date later than today. This could result in different dates being sent in CS05 when confirming the same order in forecast and in the order screen. This is not the desired behavior. Enforced the same business logic when confirming orders in the forecast screen as in the order screen, where an shipment- or receptiondate that is before the current date, the current date will be used.

3.3.23.1 Forecast transaction CS38, non-firm, non-forecast orderline with missing orders should have the order created by pipechain.

A non-firm, non-forecast orderline (ie "Commitment for manufacturing", 2 or "Commitment for material", 3) that are sent into PipeChain might or might not have an order reference. If the orderreference exist, but the order does not, the order should be created by PipeChain when an CS38 is received with the orderline in Firm Status. This is now implemented. An already firm orderline without an existing will not be processed, instead the transaction will be processed with errors. (Previous behaviour was that only a warning would be logged for any non-forecast line where the order was missing.)

3.3.24. Platform: AutoConfirm via Event transactions

Event transactions can be used to automatically confirm Messages and MACom Transactions. This is intended as a help for System Administrators.

The function requires that

- Events are configured and activated
- the Event Scanning background job is enabled
- the event User has enabled Event Export
- the event User has enabled AutoConfirm by adding the string "AutoConfirm" somewhere in the Description field (this is changed to a checkbox in version 4.9.3)

The function is executed by the Event Scanning background job. Before creating new event transactions, the available event transactions are used for AutoConfirm if

- the Event transaction is not already handled
- the Event transaction was successfully transmitted
- the corresponding User conforms to the above conditions

All Messages and MACom Transactions identified by such Event transactions are automatically confirmed. 6 / 7 2012-07-27 16:36:57

3.3.25. OrderId is missing in Invoice Printout and in PR80 transaction from invoice created by CS80.

A gap in the functionality has been bridged; The gap is that; for a CS80 supplier invoice, if the supplier is not shipping in PipeChain and he do not supply a PurchaseOrderLineId (PurchaseOrderLineId missing or blank), PipeChain cannot perform a look-up on the OrderLine. This leaves the invoice row without an (PipeChain/Replen) Order Id, for example. That OrderId will then be missing from PR80 and from the invoice printout.

The look-up functionality has been exteended so that the (PipeChain)OrderId and SalesOrderId are fetched from the order, even if the orderline could not be found with the data supplied in the transaction.

But OrderLine-specific attributes as Delivery Id, for example, is still not fetched if PurchaseOrderLineId is blank or missing.

3.3.26. Illegal filename charcters in invoice file, PR80

The filename constructed in PR80 and CS80 transactions are made part from the invoice number. Sometimes the invoice number contains characters that are illegal to use in a operating system filename. A windows filename cannot contain any of the following characters: \ / : * ? " < > |

If the characters above are found in the invoice no, these character are replaces in the filename by a valid character. Fore exsample, "/" becomes "-" in the filename. Please note that the actual invoice number is not changed in any way.

3.3.27. The reception time in basket line is not automatically changed to same value as on order head

Previous, the recption time on line was changed to the one in head - if it was changed.

Prevent multiple login-attempts on the web

The login page now has scripting functionality to prevent mulitiple log-on attempts. Consecutive attempts before the original attempts is processed (which could take several seconds during intense server load). All customized versions are also upgraded.

3.3.28. Invoice transaction CS80 crashes

There is a problem that makes outbound (customer) invoice transaction crash when matching invoice and despatch. This issue has now been remedied.