

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2010-12-09

(Technical, DB admin) Demand Plan Storage Format

We now use a compressed format to store Demand Plan History records in the database. Please note that only new records are stored in the compressed format, existing records remain as they are until they, eventually, are deleted. Over time, this should lead to a dramatical reduction of the database size. Especially the DEMANDPLAN file group.

Action on installation

None

POC: Possible to set if supplier can deliver more than demand quantity

The selected property number 56 determines if the supplier is allowed to deliver more than demand quantity.

Wrong partner time and partner resulting balance in inventory chart (In & Out Deliveries)

Partner time corrected to show receipt time, not shipment time.

Partner Resulting Balance corrected to show correct balance. Was not correct when partner time on a partner demand was same as an outbound delivery.

Supply: Own Market Bucket corrections

A number of flaws concerning Own Market Buckets has been addressed, especially for buckets with no outflow. The "Update Own Market Buckets" background job no longer fails when it encounters a bucket with neither agreements nor outflow.

Action on installation

None

POC: Cancel Despatch

The system now supports cancelling existing despatches. This function is accessible for users with site administrator privilege and the despatch must not be invoiced.

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POC: Forecast Number

The Forecast Number is displayed on the web page Outbound Order Overview and Outbound Order Lines.

POC: Report Translation

The system now supports translation of reports into different languages. The following reports can be translated: Order, Delivery Note and Invoice.

POC: Continue to ship order

The user is now able to 'Continue To Ship Order' on order line level, which previously in a despatch has been marked with 'Delivery Complete', in the order detail screen.

The button is enabled if the order has status shipped or partially shipped and a property is set that the function can be used.

Lines where the supplier not has shipped as much as confirmed can be selected to continue to ship on. The selection box can automatically be initiated (if it is possible to continue to ship) if another property is set.

POC: Delivery Schedules - modified confirm menu

The Shipment time and Reception time on order level is no longer an updateable field when confirming the order on the web.

POC: Confirm and reject order interaction is used

The confirm menu is slightly modified, the text on the save button is changed to 'Save without confirm'.

The reject menu is no longer the same as when confirming. The user is only able to OK or Cancel the reject operation without modifying any data.

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Analyzer: DeliveryPrecision Error fix

Warranty work to correct that SP-logic does not take into account time zone differences.

DeliveryPrecision uses a date difference that is measured as the difference between full calendar days. When data on deliveries are reported into Analyzer, the time data are shown and calculated in the server's time zone, instead of the site's time zones, where they to differ.

This means that the time zone adjustment can push a point in time over to another date, which makes the delivery precisions calculations prone to errors when time zones between the site and the server differs. To avoid these errors, the fields used into the calculations are also represented as "Loc" (Locale) -fields that contain the dates that are represented as they are seen from the site's time zone. The user will not see any difference, but the calculations will now be correct.

Client: New screen for Background Job Statistics

A new screen, called Background Job Statistics, can be found in the "System Tools" group. It displays data on Background Job runs. Intended audience are system administrators.

POC: CS38 DeliverySchedules - Change Shipment- and Reception Date for an OrderLine

There is now the possibility of moving an Order Line that belongs to an Order.

On the CS38 Demand element;

If there exists an PO ref (+ PurchaseOrderId PurchaseOrderLineId exists and is not blank), and Product ref is the same as the original OrderLine, and either the Shipment- and Reception Dates differ versus DelivTime and AnnounRcpTime respectively, a move that will happen instead of the normal procedure of replacing the OrderLine data in with the Shipment- and Reception Dates.

The move is made by canceling the existing OrderLine, and replace it with a new OrderLine. Note that the Business Rules when moving are the same as for the regular replace applies here as well.

In the new OrderLine will have Previous Demand Quantity, Previous Demand Price and Previous Forecast No from the original OrderLine.

You must use a PO reference in order to use this functionality. Note that you must use the FCCREATEORDER_USEORDERID or-USEORDERID_STRICT order to use the input PurchaseOrderId and LineId when creating an order line.

Also note that the moved delivery will have a new DeliveryId.

Other Order Lines are not affected.

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Supply: Closed days in calendar is not always handle correct

A closed day in a calendar was not always handled correct. This was the case when a supplier had different time zone then the site. Note outbound deliveries is not using time zones.

I.e.

Site Time zone: Japan (+8)

Supplier Time Zone: Sweden (+1)

The shipper's calendar is closed on Monday and should be using Swedish time zone. But before this correction was site time zone (Japan) used therefore was a shipping time at 21:00 on a Monday threaded as an open day which is not correct.

This is now changed so that the calendar is working with the shipper's time zone.

	M	T	W	T	F	S
Japan	xxx	---	---	---	---	---
Sweden	xxx	---	---	---	---	---

Note this error could also create errors when using calendar for calculating different kind of limit dates such as Confirmation Horizon etc.

New columns Last Confirmed Quantity and Last Confirmed Shipment Time are added in delivery overview screens and tabs

Two new columns Last Confirmed Quantity and Last Confirmed Shipment Time are added in all overview screens and tabs displaying inbound, outbound and finished deliveries.

The Column names are "Last Conf Qty" and Last Conf Ship Time". Tool tip information are "Confirmed Quantity 2" and "Last Confirmed Shipment Time".

For inbound deliveries there is a tool tip displaying the last confirmed shipping time in different time zones

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POC: CS38 DeliverySchedules - Partial Goods Reception

You can now do a partial partial goods reception. Previous behaviour was to always fully receive the shipment regardless of shipped, received and remaining quantities.

The new case for partial shipment is that:

a) Total received quantity on this order line must be less than the DeliveryQuantity. DeliveryQuantity is fetched from the Order Line, which may be updated in the DeliverySchedule. You can also override this value of DeliveryQuantity by supplying the ReceptionRegistrationOriginalQuantity.

b) The orderline does not exist as a Demand element in the current Delivery Schedule transaction.

Both of these conditions must be filled.

In the case that you made a partial receipt of the Order Line you can receive the remaining quantity in later Delivery Schedule transactions.

If the Order Line was fully receipt, it's moved to Finished Indeliveries.

POC: CS38 DeliverySchedules - Inbound Order Status change on new Order Line

Whenever a new line is added to an Inbound Order through the Delivery Schedule transaction, that Order will change Order status to "Requested".

POC: CS38 DeliverySchedules - Automatic Confirm of Firm Forecast Rows

Forecast Rows that are also Order Lines are automatically confirmed upon creation if

- a) The are of FIRM status
- b) The new Selected Property 59 AutoConfirmForecastRows are set up with the value of "true".
- c) PW39 is set up to be sent to the supplier

New Order Lines are also sent with CS05 InboundOrderResponses.

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POC: CS38 DeliverySchedules - Cumulated Element missing yields warning

If there is no Cumulated elements under the DeliverySchedule Product Node, the transaction will process with warnings, and a warning message will be put into the transaction log.

There will be one warning message in the log for each supplier, stating which products for that supplier that are missing culmulative quantities.

There is no way of turning of this warning.

POC: CS38 DeliverySchedules - Multiple forecast rows allowed on same date

If there exists an PO ref (+ PurchaseOrderId PurchaseOrderLineId exists and is not blank) on the CS38 Demand element, that Forecast Row is now identified with the PO-key. Otherwise, the line is identified with Date-key (old behaviour).

Date key: Rows uniquely identified by the following:

- Site
- Supplier
- DelivType = 30 (Purchase Order)
- ProdId (Customers)
- ProdVariant (Customers)
- DmdShipTime
- DeliveryRecipient
- GoodsRecipient
- Gate
- RemainderRowNo (new)

The new part of the key is RemainderRowNo, which is the sequence number when an orderline is split.

PO key: Rows uniquely identified by the following:

- SiteKey
- Supplier
- DelivType = 30 (Purchase Order)
- PurchaseOrderId
- PurchaseOrderLineId
- RemainderRowNo

Multiple transaction Demand elements who has uses the Date-key identification, and has the same key, will have the quantity summed to a total, and only the first demand element will be registered, with a quantity equal to the total amount for all demands with the same key.

Demand elements who uses the PO-key must be unique in the transaction

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POC: CS38 DeliverySchedules - Forecast row update change

When a OrderLine is changed, there will be the same behaviour as changing the orderline through the CS40 PurchaseOrders orderchange scenario.

(Required quantity is updated, but not Last Confirmed).

POC: CS38 DeliverySchedules - Backlog is saved in Demand Plan History

Backlog is defined as the sum of all demand that are of Forecast status "Firm" and whose Shipment Date is before the current calendar date.

This is saved together with the quantities in Demand Plan History.

POC: CS38 DeliverySchedules - Split Order Line allowed

CS38 now handles Order Line split.

In order to signal a split Order Line you must state both the "isRemainder" and "RemainderRowNo" attributes on the Demand Element. (Demand Element => Forecast Row => Order Line). The PipeChain process is that the new OrderLine is the one with the (new) RemainderRowNo. Multiple splits are allowed, and RemainderRowNo is sequential.

No warning is given if you are submitting a RemainderRowNo without using isRemainder, but the RemainderRowNo will not be used if you are isRemainder is omitted or its value is false".

POC: CS38 DeliverySchedules SuborderType change

Orders created by the Delivery Schedule now have the SuborderType (also known as DeliverySubType) "Delivery Schedule". Previously it was "Forecast Order".

Appart from identifying which order that are in fact Delivery Schedule-spawed orders, it has consequences for your Selected Property 1010 DeliverySubType set-up.

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Supply: Night Job's start time

The Night Job's start time is edited on the "Others" tab in screen Own Site. As of 4.7.0 is that time always expressed in the same time zone for all sites. If that time zone differs from the site's time zone, it will be clearly displayed in the screen. There will also be a button to bring up the "Time Zone Calculator" tool, for easy conversion of times between time zones.

Action on installation

Review Night Job's start time for all sites.

Supply: Inventory Chart performance

There's been slight performance improvement in the "Closing Inventory" tab in the Inventory Chart.

Action on installation

None

POC: Forecast screens on web are improved

New data as
Terms of Delivery
Remainder Row No
And field showing first demand is added to existing screens

Action on installation

None

POC: Supplier Despatch transaction with pallet information

Pallet information can be read in the PW03 transaction.

Action on installation

None

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Analyzer: Changes in Delivery Precision Management, part 1

A: Full support for measuring Delivery Precision "at Shipment" vs "at Reception".

A new attribute "Delivery Responsibility" is added to the "Own Site" screen, values ["until Shipment", "until Reception"].

It may be overridden per Partner Agreement, values ["as defined in Own Site", "until Shipment", "until Reception"].

When a delivery is saved to PipeChain Analyzer, "Delivery Responsibility" will control if the delivery record's

"Last Confirmed Shipment Day" OR "Reception Day" will correspond to the time dimension.

In previous versions, Shipment Delivery Precision measures were available, but time dimension always corresponded to "Reception Day".

B: Previously, deliveries were moved to PipeChain Analyzer only once, when it became "Finished".

Now, deliveries are moved to pipeChain Analyzer in a far more flexible way.

If "Delivery Responsibility" equals "until Shipment", deliveries are moved to PipeChain Analyzer as soon as "Last Confirmed Shipment Day" is passed. Then they are updated when they become "Finished".

If "Delivery Responsibility" equals "until Reception", they are moved when they become "Finished".

There are several use cases causing updates in PipeChain Analyzer, e.g. if a delivery is "Cancelled" back to a "Confirmed" (or "Shipped") state, and then "Shipped" (or "Received") again.

Please find the rest of this Release Note in "Analyzer: Changes in Delivery Precision Management, part 2".

Action on installation

See "Analyzer: Changes in Delivery Precision Management, part 2"

Web page calendar pop-up returned date error when time was 00:00 and thus not shown

Fixed a script error in the calendar script object where you have to literally write "00:00" both in the Date Field and in the pop-up or you would get a "Date error" message.

CS05 InboundOrderResponse sending controlled by new Selected Property

The Selected Property 60 SendInboundOrderResponse are added to all instances of CS05 InboundOrderResponse sending. It can be used together with Delivery Subtype Label.

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In & Out Deliveries shows duplicate records if supplier id matches customer id

If a supplier has the same id as a customer the in & out deliveries tab in the inventory chart dialog shows duplicate records for customer demands and customer balance. These records are shown with the supplier name in the partner name column.

The error is corrected.

Invoice printout (StdInvoice.xml) corrected

A number of cosmetic errors and the seller account part has been corrected. The corrections are all made in StdInvoice.xml. Customized invoice printouts have not been adjusted.

Order line detail corrected

Some quantities and time fields were missing in the New Order Line Detail screen. These fields are now added.

Action on installation

Replace WebsupplOutOrderLine.jsp in the webapp.

Platform: Background Jobs starts one hour "off" after DST changes

After DTS change 1 Nov 2010, background jobs that were set to run once a day with a 24h interval started to run at 23:00 instead of 00:00.

Although this actually WAS 24h, it is regarded as an error. Especially affected was the Analyzer, where some data connects to the Time Dimension using the date of running.

The error was corrected by handling a 24h interval as 1 day, rather than 24h.

Inventory Chart when running with Web Start

There's been a problem with the Inventory Chart's 'Closing Inventory' tab when the PipeChain client is run via Java Web Start. An error dialog popped up when selecting the tab for a second time. The problem is now fixed

Action on installation

None

POC: The despatch advice transaction from supplier is not ticking of the quantity correctly

The logic is corrected

Action on installation

None

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Clean up Products

The cleaning up of product that can be initiated in the Own Site screen is slightly modified.
The outbound delivery agreement is deleted, if possible, even if the product as such not can be totally deleted.

The clean up is performed by the background job SupplyDatabaseCleanUp.

Platform: Possible to use SOAP servlet with java 1.5

Two new properties are added to make it possible to use SOAP Servlet in Tomcat running with Java 1.5. In Java 1.5 should external SOAP implementation be used delivered in SAAJ.jar. To use external SOAP implementaion with Java 1.5 set property like bellow in file servlet.properties:

```
pipechain.soap.MetaFactory = com.sun.xml.messaging.saaj.soap.SAAJMetaFactoryImpl  
pipechain.soap.MessageFactory =  
com.sun.xml.messaging.saaj.soap.ver1_1.SOAPMessageFactory1_1Impl
```

Action on installation

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pipechain.soap.MessageFactory =  
com.sun.xml.messaging.saaj.soap.ver1_1.SOAPMessageFactory1_1Impl
```

Correction of supplier integration - order type Commission Call-Off

The AdditionalInformation of type GeneralInforamtion was not written in the order message to the supplier.

The information is keyed in in the webshop as a message to the supplier before the customer is confirming the basket.

POC - Reject of VMI Order without orderlines

The user is not able to reject an order if it is created without order lines, by mistake.
When he makes reject he will get an null exception.
This is now corrected and the order will be cancelled.

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POC - Select correct order generation strategy

The order generation strategy is initially fetched from partner agreement and will only be fetched from own site if the 'strategy for exporting data' is set to 'As specified in the Own Site Screen'.

POC: VMI Add lines when time not is used

It was not possible to perform the add line function if time not was shown in the order head.
This is now corrected

Performance views in dashboard

There are some new views available in the Management Dashboard. They can be used to monitor performance of Background Jobs and MACom.

POC: Delivery Schedule Order Line Despatch

New Selected Property (49) EXCEEDPRECEDINGDELIVERYSCHEДУLEQUANTITY, allowed to exceed the demanded Quantity of the preceding (before the last) despatch lines of the delivery schedule. (true/false).

Extended Selected Property (50) ALLOWDELIVERYREMAINDER, Allow incomplete shipments. Valid values:1,2,3 (1= manual, 2= force, 3= not allowed)

When despatching a delivery schedule the following restrictions are imposed:

The system rejects the despatch if EXCEEDPRECEDINGDELIVERYSCHEДУLEQUANTITY is set to false and the given (accepted) delivery quantities are not allowed.

- 1) Deliveries before the last one are not allowed to be > demanded quantity
- 2) Last delivery quantity must be <= demanded quantity + allowed quantity deviation

Correction of supplier integration - order confirmation could not use purchase order as identifier

The purchase order id in combination with purchase order line id can be used as identifier for the orderresponse (PW02)

Action on installation

None

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Correction of supplier integration - sales order on order head level was not updated e.t.c

The sales order on order head level is now updated by the PW02 transaction

The split of order lines for sub order type Commission Call-off is corrected

Action on installation

None

POC: Finished Delivery Overview/Search

The search function on the web page is now possible.

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POC: Support for Reports in different languages

The system now supports using translated report templates (xsl) files.

The report language currently used depends on the report type:

A) Delivery Note: The delivery note report template uses the language setting assigned to the current site.

B) Order/Invoice: The order report template uses the language setting assigned to the current user (User Detail and Business Detail screens).

The translated template (xsl) file name needs to be as follows: StandardReportName + Language Code + ".xsl"

where StandardReportName is the report name defined in the property value and Language Code is 2 letter code for the current language.

For more info see http://www.w3schools.com/tags/ref_language_codes.asp

Example:

If you want to translate your current delivery note report into Swedish.

1. Start the client application/Selected Properties and look for the Property Value Category [224] which defines Delivery Note. This line refers to a property value record. Assume that property is set to StdDeliveryNote.xsl

2. Create a copy of the file StdDeliveryNote.xsl with the name StdDeliveryNote_sv.xsl and translate it into Swedish.

3. Copy the file StdDeliveryNote_sv.xsl to the customers customized directory e.g custom\1\Reports or just put it under the standard Reports directory.

For more information about the selected properties involved, please refer to the documentation

The system looks for the report template in the following order until it finds it

1. Translated version in the customized directory
2. Translated version in the standard directory
3. Standard version in the customized directory
4. Standard version in the standard directory

Currently we have the following reports entries that are possible to define in the Selected Properties screen in the client application:

[223] Defines Order printout /standardorderlayout

[224] Defines Delivery Note /standarddeliverynote

[225] Defines Invoice printout /invoice

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Analyzer: Changes to Dimensions

Product dimension:

Products are primarily fetched to PipeChain Analyzer from the product definitions (Own Bucket, Customer Bucket). Products are secondarily fetched from Finished Inbound or Outbound deliveries. From now on, products are also fetched from unfinished deliveries. This is necessary since Analyzer may save deliveries at shipment time.

Business dimensions:

The two business dimensions ("per Site" vs "with Sites") are separated. The old solution did not guarantee unambiguous attribute dependencies. This could (at least in theory) cause computational errors.

Time dimensions:

A Year Of Week attribute is introduced. The two time dimensions ("Week" vs "Month") are separated since YearOfWeek may differ from YearOfMonth.

A sorting error for months is fixed.

Delivery Id and Delivery Note dimensions:

The Site level is removed. Due to this, the auto-grouping level now works correctly.

A Delivery Key level (at the bottom) is introduced so that drilling can always reach a single delivery record. This enables several measures (e g Reception Time) which are only visible for a single record.

PipeChain Order, Purchase Order and Sales Order dimensions:

Keys for intermediate levels (e g Order line) are made unique. They did not work correctly before.

Site level is removed and replaced with an auto-group level. Site (or any other dimension attribute) can still be used as filter.

A Delivery Key level (at the bottom) is introduced so that drilling can always reach a single delivery record. This enables several measures (e g Reception Time) which are only visible for a single record.

Delivery Responsibility dimension:

This is a new dimension. It is useful if your (or your suppliers') Delivery Responsibility can be either "until Shipment" or "Until Reception".

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Analyzer: Changes to Cubes

Event cube, FlowModelDay Cube and FlowModelWeek cube:
A total row count is added.

DataExch cube:
Successful/unsuccessful counts are removed. A total row count is added.

Delivery cube:
Depending on the Partner Agreement/Relivery Responsibility setting, a delivery may be moved to the Analyzer when it has passed its scheduled shipment date (in addition to when it becomes "Finished").

All old Delivery Precision measures are removed, and replaced with one single Delivery Precision measure. The DeliveryResponsibility attribute controls whether Shipment or Reception attributes are used.

If a delivery record lacks Shipment or Reception, it is still "counted" (as erroneous).

Several presentation consistency flaws were fixed.

Inventory cube:
No change.

Analyzer: Performance aspects.

Aggregation (pre-computation) is introduced for the Inventory cube. This may give a major performance boost to the cube, but it may also increase cube processing time and cube size on disk. The aggregation is NOT possible to parameterize.

An AnalyzerProperties attribute is added for each cube.

Limit_Years_Inventory
Limit_Years_Shipments
Limit_Years_FlowModelPrecisionDay
Limit_Years_FlowModelPrecisionWeek
Limit_Years_Event
Limit_Years_DataExchange

It limits (no of years excluding current year) the amount of data processed by the cube. Default is unlimited (1000 years). The setting apply to ALL PipeChain Sites, since Cube processing always spans all data in an Analyzer database.

Limiting the data has the drawback of making the oldest data not visible in the cube. The benefits are faster browsing response in the cube, shorter Cube processing time and smaller Cube size on disk. If you have any performance issues with PipeChain Cubes, it is recommended that these settings are cautious, reflecting normal usage. If a user temporarily requests more data, the attribute could be raised temporarily.

Action on installation

Set the limits above to suitable values (typically 1-3 years + current year). This must be done in the Analyzer Properties table using e g "MicroSoft Management Studio".

The limits can be tested either by Cube processing and browsing, or by reading data from the cube's views e g "SELECT MIN(DimDate) FROM View_FactInventory".

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Analyzer: Changes in Delivery Precision Management, part 2

Continued from "Analyzer: Changes in Delivery Precision Management, part 1"

C: Delivery Precision considers reception (or shipment) day and quantity. Now there are more cases where (erroneous) deliveries are included in Delivery Precision. E g if a delivery should be measured "at Shipment", and is received although neither confirmed nor shipped. Previously, such a delivery would have been excluded.

D: For some user flows, deliveries may be "split" by PipeChain Supply (if the shipment quantity does not match the expected quantity the delivery is split into two rather than becoming "Partly Shipped"). The "splits" will get a Delivery Id suffix "-1", "-2" etc.

In this case PipeChain Analyzer maintains BOTH the splits (which may be updated as above), and a "merged" delivery which contains the summed quantities, and the "proper" times. Only the merged delivery is used in the PipeChainAnalyzer cube, and other Delivery Precision usages.

It is guaranteed that merged delivery will have a Delivery Precision error if ANY of the splits have a Delivery Precision error.

The "Delivery Id" of the merged delivery will have NO split suffix.

If a split situation results in one single delivery with split suffix (this can occur after split and merge in PipeChain Supply), it will be saved in PipeChain Analyzer WITHOUT suffix. Thus the Delivery Id in PipeChain Analyzer will not differ from its counterpart in e g an order system, however it will differ from its counterpart in PipeChain Supply.

It is possible that the merged delivery consists of several splits with different "Delivery Note Id". If so, the "Delivery Note Id" of the merger will correspond to the delivery with the "lowest non-cancelled Delivery Id suffix".

Action on installation

See "Analyzer: Changes in Delivery Precision Management, part 2"

Prevented the user from confirming orders multiple times by double-clicking

If the user kept on clicking multiple times while confirming the order, this could cause a system malfunction. The user is now prevented from submitting forms multiple times until it has been processed by the server.

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Reception time are recalculated when shipment time is changed

The reception time is recalculated when the shipment time is changed.
Calendar and reception schedule is considered.

The modification affects both interactive function and despatch using transaction PW03.

PipeChain 4.7.0 01

Release Date: 2011-01-04

Analyzer: Error in Inventory, time dimension was one day off

The logic for the Analyzer property "UsePreviousDateForInventoryPoll" was accidentally mixed-up when the Time Dimension was changed in 4.7.0 SP00.
The error was corrected.

Analyzer/Supply: Fetch from Analyzer to Management Dashboard failed.

The background job "Analyzer Poll, Single Run Cube Processing Trigger" is activated if the Analyzer property "CubeProcessingJob_Command" is used.
It is responsible for OLAP processing triggering, but also for data fetch to the Management Dashboard KPI-tables.

The latter failed because of incorrect references to the Time Dimension, which was changed in 4.7.0 SP00.

The error was corrected.

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PipeChain 4.7.0 02

Release Date: 2011-02-23

Platform: New screen Background Job Statistics lacked browser for JobId

The filter of the new Background Job Statistics screen required the background job JobId attribute to be input as a text.

Since this is difficult for most users, a browser was added. The browser displays all JobIds that occur in the Background Job screen and the Background Job Statistics screen.

The browser was also added to the filter of the Background Job screen.

Generate Production Order menu choice unavailable

The right click menu in Inbound Suggestions failed to show the menu choice "Generate Production Order", even if the system was setup was correct for using Production Orders. (Instead the Generate Order selection was shown).

The correct menu selection and corresponding action has now been restored.

Production Order screen Minimum and Sum Order Quantity not fetched

In the Production Order screen, the Order Quantities that is supposed to be fetched from Order and Product Families respectively always zero. This causes the Auto Increase-functionality to be unavailable.

This fault has been remedied in this service pack.

POC: Order Reports

Order reports no longer require that products are registered in the PipeChain database.

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Analyzer/Supply: Some rare problem cases for Management Dashboard data were corrected.

If a PipeChain installation contains multiple Businesses which share one PipeChainAnalyzer (a legal but very rare case!), the KPIs which use Analyzer data (e.g. Service Level) would only be visible in one Business.

If an installation changes its "System Id", only new data (saved after that change) would be visible in the KPIs which use Analyzer data (e.g. Service Level).

A warning message will appear if the Analyzer database contains multiple System Identities (multiple PipeChain installations), since this setup can not be handled correctly for the KPIs which use Analyzer data (e.g. Service Level). If the warning is caused by a changed System Identity, it can be disregarded.

Flow Model of type "Aggregated Plus from In Suggestions via Recipe" is not updated when generation of Indelivery Suggestions is run

Flow Model type "Aggregated Plus from In Suggestions via Recipe" does not update itself when Generate Indelivery Suggestions is run.

This is caused by a failure of the background job Update FlowModels Via Recipe to take the new flowmodel into account. This has now been remedied.

Supply/SOC/POC: New Code Signing Certificate

A new code signing certificate is used from this version on. The jar files located under following directories need to be updated:

1. On the PipeChain server side .\jre\lib\ext*.jar
2. On the web application side .\WEB-INF\lib*.jar
3. On the web application side .\WebStart*.jar

POC: Cancel Despatch Shipment Count

The order line shipment count is now reduced by one when cancelling a despatch and the shipped quantity is set to zero in case the calculation gives a negative value.

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Transaction conflict in CS90 RecipeDefinitions UpdFMViaRecipe background job spawns severe errors

When a normal, resolveable transaction conflict (present in the logfile, but not in message log as this is just an indication of possible error cause). is caused by the reception reader when processing a large number of recipes (usually - two is enough to cause the error), the background job failes with the errors of "index out of bound", "duplicate key". The later message is present in the message log.

The behaviour was due to an internal bug, now fixed. The spawned errors does not occur anymore, although transaction conflict could be present as normal in the log file.

CS90 UpdFMViaRecipe Duplicate Error

When a number of recipes that refered to the same product are processed, the spawn background job can try to update the same records in the flowmodel.

Implemented a listenting timeout that only allow new recipies to be processed when the update has been completed. This increases the CS90 processing time.

Transaction conflict in manual investigation job

When processing a manual investigation background job, as for example when changing deliveries or generating suggestions. You could end up with a transaction conflict that was not handled, due to a missing internal counter.

Added the counter and the manual investigation job no longer failes.

PW03 Inbound Despatch Advice try to ship wrong delivery

PW03 processing can sometimes select wrong delivery to ship. This when using contract number and purchase order as reference. This error and some other errors when not using split functionality is now corrected.

Hide Shipment and ReceptionTime on OrderHead

It's now possible to hide the Shipment and ReceptionTime on the OrderHead in the Web Inteface, by customizing the .jsp page using a new interface.

Release Notes Summary

PipeChain 4.7.0



POC: None Joined Invoice with many orders

It's now possible to invoice none joined invoices that have more than one order line and the order lines belong to different orders.

Invoice Payment Expires now goverend by Selected Property 31 Allow change of Terms of Payment

When creating an invoice Payment Expires is an date field who's default value is Today date + Terms Of Payment

The field has previously been open for editing - which means that you practicaly can change the Terms of Payment, despite the Selected Property "31 - Allow change of Terms of Payment" setting.

This has now been remedied so the Payment Expires is also goverend by the above mentioned selected property

Nullexception in PW02 and PW03 when Selected Property 36 - Valid Delivery Note Id characters is set up

Only occurs when DeliveryNoteld is missing from the transaction. A blank value still works.

This exception has been remedied.

Create Order Line if orderline is missing in PW02 is not working

The functionality for creating orderlines if the line is missing (by the attribute CreateOrderLineIfMissing) in OrderHead Element was missing from PW02.

Functionality restored. Note that you still need to have an Order to be able to create an order line by this attribute.

Release Notes Summary

PipeChain 4.7.0



Minimum Order Quantity Field in Product Group screen implemented

MOQ (Minimum Order Quantity) field in the Product Group Screen is implemented. The field is editable for Configuring users.

Please note that the users settings (locale) for showing numbers is not used - MOQ uses a decimal dot and no separators.

Also implemented "Product Family" checkbox. The box is automatically checked if MOQ is set.

POC: Customer Product Id Added to the Invoice Rows Table

The table Invoice Rows on the web page Create Invoice Detail, is now completed with the following columns:

- *) Customer Product Id,
- *) Product Variant
- *) EanNo

POC: New value in selected property 50 ALLOWCOMPLETESHIPMENT

The selected property ALLOWCOMPLETESHIPMENT has got a new value (4=Automatic Uncheck) which means that the checkboxes on the despatch page are editable and initially unchecked. To have them initially checked, use value 1 instead (1 = Manual check). 2 = Always checked means not changeable and checked (no part deliveries). 3 = Not allowed to check means not changeable and unchecked (part deliveries until full quantity is shipped).

Invoice roundings corrected, Auto roundoff now functioning.

PipeChain is now showing the same, and full number of decimals up to a maximum of six decimals for price information. (Minimum two)

Quantities are shown with up to two decimals. (Minimum zero).

The same number of decimals are shown both in java and web client, as well as supplied in CS80 för rapport, web, java och transaction (CS80 ut) vad gäller skapandet av invoice och order.

Auto Roundoff functionality in Create Invoice screen is now working, and rounds of "To Pay", not "Total". Default value of the checkbox is fetched from Selected property 1390 - use automatic roundoff.

Release Notes Summary

PipeChain 4.7.0



Forecast generation was not started when scheduling in Japan time zone

Forecast generation was not started when scheduling in Japan time zone. This is now corrected.

Note Also corrected in PipeChain 4.2.0 SP51

POC: Cancel Despatch Page

The fields Demanded Shipment Time and Receipt Time are now changed to none-editable mode on the Cancel Despatch page.

Too many yellow receipt time in inbound delivery overview

Both receipt time and shipment time is yellow in inbound delivery overview - receipt time should only be yellow if the deliveries are shipped or if the shipment is not expected. Applies if receipt time is passed.

Shipped deliveries had their quantities destroyed, CS38 DeliverySchedules

Shipped deliveries disappeared if they were different shipped than the new plan in the CS38 DeliverySchedule transaction. Shipped Deliveries should not be affected. A "Processed with error" is logged and the delivery remains unchanged.

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 03

Release Date: 2011-03-14

Handle missing order when generating invoice report

The event of a missing order in the invoice report generating was not handled after changes in 4.7.0 SP2, and the user got only a dump page.

The missing order error is now handled, with informative text about the reason the report cannot be generated, and no dump text.

PW02 CreateOrderLine when missing does not create Order or CS05

If the "CreateOrderLine" attribute in PW02 is set to true, PipeChain creates an orderline. It does not, however, create an Order if there is none. Without an order, the CS05 InboundOrderResponse transaction cannot be sent.

Changed the functionality so that if an order is created if there is none, and the orderline is created as per above.

PartyId is now an unique identifier for Addresses

Addresses that are commonly referred to in business objects as MainAddress, DeliverTo, InvoiceTo, ShipTo, etc, are now identified uniquely (for each business) with the PartyId attribute.

Other unique identifiers are: EanLocNo, OrgNo, and ConnectionNo.

PW01 InboundOrders generated from CS40 PurchaseOrders could contain addresses with faulty references

Where an OrderHead address is missing in CS40, "OrderHead.DeliveryTo" for example, the resulting transaction PW01 could contain data from another address, for example "OrderHead.InvoiceTo".

The problem only occurred where the CS40 element was missing. This has now been rectified.

The same problem might have been present in other transactions with similar structure.

Release Notes Summary

PipeChain 4.7.0



Automatic roundoff on invoice rounds downwards on .5

The automatic roundoff function in the Invoice screen was set to round downwards on any half number. This functionality has been changed to round up on 0.5.

Confirmation margin was not always calculated correctly

When using automatic confirmation and running delivery suggestion generation rarely (i.e. once a week) then there is a function that extends confirmation margin. This function was not working in previous version and the result was that suggestions was not always automatically confirmed. This error is now corrected.

The function for extending confirmation margin is to add frozen margin to next planned delivery suggestion generation start time and use that as confirmation horizon.

Forecast Delivery Period Overview does not show Demand if more than one page

The webb interface Forecast Delivery Period Overview screen does not show the coulumns displaying the Demand for any other page than page 1. This has been rectified.

- Also corrected the First Demand Date
- First Demand Date is now show as date, week, or month depending on the selected view setting
- Improved week and month abreviations

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 04

Release Date: 2011-03-28

Received line does not disappear from delivery schedule, change of forecast status triggers cancel+add (CS38)

Received line does not disappear from delivery schedule. It's stuck because the receipt has been processed once before.

A change of forecast status triggers cancel of the forecast line and add of a firm. Should just be update of the existing line from forecast to firm.

Applies to CS38.

The errors have been corrected.

When shipping a delivery schedule with PW03 and contract number lines are shipped order by demand shipment time

Lines are shipped ordered by demand shipment time when contract is the only id. The confirmed shipment time won't do as it changes when the line is shipped.

Also partly shipped lines are shipped prior to not shipped lines now.

Forecast History Detail shows forecast history for other suppliers with same product

The Forecast History Detail screen in the web access shows forecast history for other suppliers with same product.

This is now corrected

Delivery schedule line disappears when shipped and customer tries to change it

When a delivery schedule line is shipped and the new delivery schedule tries to update it it disappears because update is not allowed.

Now this is handled better but the line is still not updated with new shipment date from the delivery schedule.

Release Notes Summary

PipeChain 4.7.0



Database cleanup performing goods receipt on indeliveries

This issue is due to a bug that cleans indeliveries belonging to a forecast when that forecast is deleted, and mistakenly cleans indeliveries not belonging to a delivery schedule. This only occurs if the forecast number of the forecast is blank.

The issue is now resolved.

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 05

Release Date: 2011-04-19

Database cleanup of delivery schedules CS38 Delivery Schedule

A forecast or delivery schedule that has been not modified for History Lifetime (usually 30) days, or it expired at least the same amount of days ago, is automatically deleted by the database cleanup program.

However, if you have not set an expiration date (forecast end date), only the "last modified" date is taken into account. This can cause Delivery Schedules/Forecast to be deleted premature to what was intended.

Corrected functionality in the CS38 Delivery Schedule reader now sets the forecast end date to current date + 400 days, if the forecast end date is not supplied.

PipeChain Supply: Receipt Time warning for VMI

The receipt time field of the VMI deliveries (DelivType: VMI, 10) is show with a warning (yellow color) if the receipt time is in the past time.

Problem with calculation of duration on new suggestions

Initial and resulting duration is below safety time on new suggestions. Applies to some products and some suppliers depending on demand on the receipt time of the suggestion. The problem only applies to flow models of type production plan daily.

The error is now corrected.

Problem with inventory report

Inventory report (CS04 own balance) fails when built on schema för 2.3.1.

The error is now corrected.

Release Notes Summary

PipeChain 4.7.0



PipeChain Supply: Cannot cancel shipping

The user cannot cancel shipping due to transaction conflict in the Inbound Order Detail screen in the PipeChain Supply client application.
This error is now correct.

PipeChain 4.7.0 06

Release Date: 2011-04-26

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 07

Release Date: 2011-04-29

Transaction CS04 Inventory Report Customer AssignedBy attribute implemented

The XML element Message/Data/Customer has the AssignedBy attribute to provide reverse lookup from Customers designated identifiers (AssignedBy="Customer", default is "Supplier").

This was not implemented in the CS04 transaction. This has now been remedied.

Also implemented for the AssignedBy in the Message/Data/Site/InventoryReport/InventoryReportOperation.

Supply: Diffrent number of suggestions errors between PipeChain overview screen and Inbound delivery suggestion screen

Diffrent number of suggestions errors between PipeChain overview screen and Inbound delivery suggestion screen. This was related to not correct calaulation of confirmation horizon date when using automatic confirmation

DeliverySchedule transaction CS38 does not handle supplier address id

Due to a bug in DeliverySchedule transaction CS38, the delivery address id of the supplier element "/PC:Message/Data/Business/Site/DeliverySchedules/DeliverySchedule/Supplier/@SupplierAddressId" was not properly read. This issue has now been resolved.

DeliverySchedule transaction CS38 does not update supplier product id and variant, or demand shortdescription

Due to a conflictning bussiness rules in DeliverySchedule transaction CS38, the attribute element "/PC:Message/Data/Business/Site/DeliverySchedules/DeliverySchedule/Product/SupplierProduct/@ProductId and @ProductVarint" was not updated. This is now resolved.

Also, the attribute .../Product/Demand/ShortDescription was not updated either.

These issues has now been resolved.

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 08

Release Date: 2011-05-16

Analyzer: Two errors corrected.

Two errors were introduced among the changes in PipeChain Analyzer 4.7.0.

Reception Registrations were no longer saved, which caused miscalculation (too high) of the Inventory cubes "Real Outflow" and "Received Quantity" measures. The error was corrected, but already saved values are not corrected.

In a new Analyzer installation, Deliveries (order lines) were not saved until their shipment time had reached the installation date. The error was corrected.

CS01 Orders Orderline Operation never new

Due to a bug, a replenishment orderline was always given the status "New" in CS01. This issue has now been remedied.

Transaction CS41 Purchaseorder does not include price information

The attributes Price, ContractPrice, Accepted Price, Total Row Amount, Percentage and Currency are missing from the CS41 Purchaseorder generated by PipeChain.

This has now been remedied.

Transaction conflict in PW40 WebpurchaseOrder transaction resolved

The old problem where prodnode is updated multiple times, causing a transaction conflict, has resurfaced.

The error occurs when a PW40 WebpurchaseOrder contains multiple items of the same product. The workaround is to split up the PW40 into several files, each containing no more than one item of each product.

The issue has now been resolved.

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 09

Release Date: 2011-05-20

Background Job Statistics not complete

Due to a bug, not all (Single Run) Background Job runs were logged in Background Job Statistics. That problem is now fixed.

Action on installation

None

Manual recalculation of following suggestions was not always correct

Manual recalculation of following suggestions after updating a suggestion was not always calculated correctly. The calculation of following suggestions was not correct when the virtual balance was inconsistent (different from aggregated quantity of transit deliveries). This error is now corrected.

Action on installation

None

POC: Transport Unit Label using barcode 128

From this version on, it is possible to configure the system for using either barcode type 39 or 128.

Use the following selected property:

BARCODEPARAMETERS, Barcode parameters for transport unit label. Use the Setting field. Allowed code types are 39 and 128. Default (ModuleWidth=0.4&WideFactor=3.0&CodeType=39).

It is possible to print the goods recipient on the upper left corner of the page.

It is possible to print the order line number on the page.

Reception Time was not recalculated when changing shipment time in processing of PW03

Reception Time was not recalculated when changing shipment time in processing of PW03. If shipment time is changed more than a certain percent from its original shipment then should the reception time changed also. The percent value is controlled by property: se.masystem.pipeline.ship.matchShipmentPercent, default value is 10 (%). This recalculation is now also added when shipping manually from PipeChain Web.

Release Notes Summary

PipeChain 4.7.0



PW02 Inbound OrderResponse and CS72 ProductRequisitionResponse nullexception when there is no order

When there is no order for a orderline, and a order are not allowed to be created, the missing order will cause a nullexception. This is rarely the case for PW02, but most often for CS72.

The message looks like "Failed to execute se.masystem.pipeline.bo.BOInDeliv.addToOrder with object BOInDeliv: [orderline identifiers]. Error cause is null."

This issue has now ben remedied.

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 10

Release Date: 2011-06-21

Java Client: Color indication in column "Inv. Resp. Status" in Inbund Delivery Agreement Overview.

The color indication in column "Inv. Resp. Status" in Inbund Delivery Agreement Overview was missing. The problem is now corrected

Action on installation

None

Fixed NullPointerException when cancelling (finished) delivery.

A NullPointerException could occur when cancelling a (finished) delivery when the delivery's product was not defined in PipeChain. That problem is now fixed.

Suggestions generation can end up with suggestions with status Wait For Move and Merge

Suggestions generation can end up with suggestions with status Wait For Move and Merge. This was the case when deliveries was confirmed with demand reception time long afterward (long time in future). This problem is solved by using confirmed values from database instead of demand values.

Transactions PW40 PurchaseOrders (Customers) and CS40 PurchaseOrders (Suppliers) does not check Finished state

PW40 PurchaseOrders does not check if Orders or OrderLines are in the Finished state. This leads to that Finished Order/lines can be re-created once again with the same data from the incoming transactions. This leads to mutiple problems for the PipeChain users. These issue have now been remedied.

The very same problem also affects CS40 PurchaseOrders, where it also have been resolved. CS40 now also checks the Finished state for original row information in case of a split row.

Deliveries has not always correct status after cancel goods reception

When making goods reception and using suggestions instead of shipped deliveries then should these deliveries be changed back to status Suggestion when cancelling the goods reception. This was not the case, the status was confirmed which is not correct. To solve this is all deliveries that are implicit confirmed (confirmed during processing of despach advice or reception registration) marked with a new text attribute with text "Implicit confirmed by Despach Advice" or "Implicit confirmed by Arrival registration"

Release Notes Summary

PipeChain 4.7.0



The virtual balance was not always correct after cancelling reception

The virtual balance was not always correct after cancelling reception. This is now corrected.

PipeChain 4.7.0 11

Release Date: 2011-07-14

Orderline Operation corrections for transactions CS71 ProductionRequisitions and CS73 ProductionRequisitionChanges

The Orderline operation attribute for CS71 ProductionRequisitions was erroneously set to "Not Changed" when the status should have been "New".

The same attribute for CS73 ProductionRequisitionChanges was erroneously set to "Not Changed" when the status should have been "Updated".

These issues have now been corrected.

Supply: A bug with available balance for outbound deliveries was fixed

There was a bug with the column available balance including suggestions in screen displaying outbound deliveries. Under certain conditions a grid cell could change value when the row was selected. That problem is now fixed.

Action on installation

None.

Analyzer: Changes for the Delivery fact table

These changes affect customers which

- runs Pipechain versions 4.7.0 or 4.8.0
- use the PipeChain Analyzer OLAP, in particular the Delivery Precision KPI
- splits deliveries when shipping less than the full orderline quantity

The change is a reversal of a function added in version 4.7.0. Split shipments were "merged" in PipeChain Analyzer. "Merges" but not "splits" were used in the OLAP cube.

After versions 4.7.0 SP11 and 4.8.0 SP05, "merges" are no longer created, and "splits" are again used in the OLAP cube.

Action on installation

If the above conditions are true, a script which removes all constructed "merged" deliveries can be obtained via PipeChain Support.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2011-09-21

Analyzer, Dashboard:

FlowModel Accuracy per Day was often missing in the Dashboard.

The cause of the problem is that FlowModel Accuracy per Day is computed against the previous day (-s computed outflow), whereas the Inventory data are computed against today. When data was moved incrementally from Analyzer to the DashBoard KPItables, "Today's data" never found any corresponding FlowModel Accuracy per Day.

The error was corrected by NOT moving today's data to the DashBoard KPItables.

Shipped Quantity is not set in Finished Outbound Delivery

Shipped Quantity is now set in Finished Outbound Delivery

Night job Database Consistency Check improved and corrected

Performance problems and transaction conflicts in the night job "Database Consistency Check" have been solved.

Action on installation

None

Purchase Order report (printout) Price Rounding

Removed the fixed rounding of Price and Quantities on Order Report. Now they are variably rounded according to the decimal settings for the items, depending on how many decimals that are actually used. (Quantities: 0-2 decimals, Prices: 2-6 decimals, Totals 2: decimals).

Joint invoices now printable!

Joint invoices (invoices for more than one order) could formerly not be printed. The error shown was that no order was found. This issue has now been remedied.

Also made the report writer less dependent on still having an existing order. Previously, if the order was deleted, the printout of the invoice could not be shown. Now, some data are simply omitted if the order is no longer present. (I.e. supplier reference).

Release Notes Summary

PipeChain 4.7.0



InboundOrderResponse Transaction CS02 does not ship new line

If a new orderline is created by CS02, InboundOrderResponse Transaction, and the line is also marked as shipped, it does not get shipped in PipeChain. This issue has now been remedied.

Calculate Reception Time from Shipment Time in InboundOrderResponse Transaction CS02

if the Reception Time in the InboundOrderResponse Transaction CS02 is missing on the orderline, or is set to earlier than the shipment date, it is now calculated from the Shipment time and from the suppliers transport schedule and leadtime. See separate documentation.

Previously the Reception Time could only be calculated if it was an update of a previous orderresponse.

Change so PurchaseOrderId and PurchaseOrderLineId gets optional in CS04 also in application

A change has been made so PurchaseOrderId and PurchaseOrderLineId are optional in CS04 also in application just as in the schemas

DelivSubTypeLabel on replenishment orders set to "SMI"

To be able to distinguish between POC orders and SMI orders the DelivSubTypeLabel on replenishment orders (VMI) is now set to "SMI" on insert

Search in Forecast History Detail on forecast date

The search in Forecast History Detail on forecast date was disabled but works again now.

Release Notes Summary

PipeChain 4.7.0



Send one PW05 for each order from the customer

When purchase orders are confirmed for a customer that is connected with the GUSI converter (customer order flow) the customer might not be able to process an order response containing more than one order at a time. So to be able to send one PW05 for each order from the customer the processing of CS02 has been changed and now it creates one PW05 for each customer order and not only one as it did before.

This can be configured per customer, per site, per business or for a whole server. The split is only applied to purchase orders, not to replenishment orders.

Note that you have to add a new selected property to activate the split.

Action on installation

Set selected property 121 "Send One PW05 for each purchase order included in CS02" to true. If set to false one PW05 including all lines is sent.

The screen for Selected Properties is located in the cog wheel menu on the right hand side. To set a selected property you just create a new item and enter as few keys as possible, the Property value category and then true or false in the Setting field.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2011-10-07

Cannot print invoice if despatch is missing

In 4.7, you assume that the despatch exist when you are trying to print the invoice. If it's missing for some reason, the operation crashes.

Corrected so the procedure works even if the despatch is missing

Delivery suggestion reception time was not correct during days of changing Day light Saving Time

Delivery suggestion reception time was not correct during days of changing Day light Saving Time. This was the case when using reception days. This error is now corrected.

Supply:PW02 InboundOrderResponse and Deviation limits

Inbound Order Response (PW02) will no longer fail if a deviation limit is exceeded.

Duration Meter symbol "S" is now shown in Own Bucket Detail even if there are several suppliers for one product

Duration Meter symbol "S" is now shown in Own Bucket Detail even if there are several suppliers for one product. If there are both SMI and none-SMI suppliers then is star "*" display instead. Note the start is not displayed in Own Bucket Duration Screens as duration meters in this screen only representing one relation to supplier

Supply: Deliveries with reception after calculated suggestion caused errors in suggestion generation

Deliveries with reception time beyond demand reception time where used to match deliveries with new suggestion. This is not correected so that only deliveries with reception time before suggestion reception time will be used for match.

Also corrected in PipeChaini 4.6, 4.8 and 4.9

Release Notes Summary

PipeChain 4.7.0



Supply: Consignment Consumption Report transaction can be converted to a csv-file

The file "Consignment_Consumption_Report.xml" converts the outbound Consumption Report transaction (PW55) to a ".csv"-file which can be opened in Excel. The instruction below is also present as a file in the "plugins" folder.

The following three steps are required:

- There must exist an MCom-channel with "Communication Type"="E-Mail", "Data Format"="XML" and "Outgoing E-Mail" settings in working order.
"Modify" must be unchecked. It should map only the PW55 transaction.
In "Transaction Sender", use "XSLT Converter 1.0", the "Consignment_Consumption_Report.properties"-file should be modified to point out the xml-file.
- There must exist one suitable user for each mail recipient (per "Partner Agreement" or per "Supplier").
"E-mail Address" and "E-mail Subject" is set here. "Send as"="attachment" and "Extension"=".csv".
- In "Inbound Partner Agreement/Business Node Agreement/MCom Settings", the above channel and the corresponding user are selected.

A Consumption Report transaction is generated according to the settings in "Partner Agreement/Advanced" or by pushing a button in "Delivery Agreement/Consignment". Note that output is only generated if there are new Consumption Lines registered OR if "Send Empty Consumption Reports" is checked.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2011-11-08

CClosing Inventory in Inventory Chart for Customer Buckets

There was an error in the "Closing Inventory" tab of the Inventory Chart for Customer Buckets when the same product had agreements with more than one Customer. The error is now corrected.

Numerous fixes in CS03 DespatchAdvice and CS48 OutboundDespatchAdvice

CS03 now has look up of missing order data, like replenishment order id.

CS03 nonger assumes that bestBeforeDate och manufacturingDate is the current date, even though information is missing.

PW48 top level customer node is missing data.

PW48 has reversed the customer and supplier produkt values.

These issues above has been remedied.

Also, the functionality has been changed, so if PW48 is set upp to be sent, and PW05 is not, and the CS03 is missing the despatch packages that are necessary for PW48, the CS03 will fail with an error message.

If both transactions are set up and despatch packages are missing, PW05 will be generated.

Delivery schedule: Status updated on quantity change

A shipped line now is updated to shipped if demand quantity on the line is decreased to the shipped quantity.

Only applies to delivery schedules sent in to PipeChain from ERP using transaction CS38.

Delivery schedule: Time update fails

When the demand time in CS38 was changed the update was blocked and the line disappeared if the line was shipped. This is now corrected so the line is kept and updated with new shipment time.

Only applies to delivery schedules sent in to PipeChain from ERP using transaction CS38.

Release Notes Summary

PipeChain 4.7.0



Supply: Min Delivery Quantity when analyzing a Delivery Agreement

When analyzing a Delivery Agreement with Multiple Unit Demand, the Minimum Delivery Quantity was sometimes erroneously reported as not being a multiple of the Multiple Unit Quantity, even though it was. That problem is now solved.

PipeChain 4.7.0 15

Release Date: 2011-11-11

When order is finished, the invoice is missing data.

Fixed a known bug: If the order is finished, i.e. it has been fully goods received, before you create the invoice, the invoice will be missing some data from the order.

This has now been remedied, as the data is picked up from Finished Inbound Order instead.

PipeChain 4.7.0 16

Release Date: 2011-11-15

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 17

Release Date: 2012-01-11

POC:Possible to control if user is allowed to change quantity when shipping

Selected property 56 "It is allowed to set total shipped qty >= delivery qty when shipping (true, default)" is now change to handle more control.

Selected property 56 changed to "Allow to ship other quantity than confirmed qty (10 = Always(Default), 20 = Not allowed to decrease qty, 30= Not allowed to increase qty, 40 = Never)"
10 Always(Default). All changes of shipped quantity are allowed.
20 Not allowed to decrease. It's not allowed to ship less than confirmed quantity
30 Not allowed to increase. It's not allowed to ship more than confirmed quantity
40 Never. It's not to ship less or more than the confirmed quantity

Action on installation

Change selected property 56 from true/false to 10,20,30 or 40

According to:

- false change to 30
- all other values change to 10

There is a script that makes this update:

PIPECHAIN_040700_TO_040700_SP17_PASS_01_ALLOW_TO_SHIP_OTHER_QTY_SelectedProperties_MSS.sql

Possible to use calendar to decide when delivery suggestion generation should be executed when using trigger start with CS34

Possible to use calendar to decide when delivery suggestion generation should be executed when using trigger start with CS34. This can be configured by setting Strategy For Exporting Data in Partner Agreement to "Triggered". The calendar is checked to determine if the trigger from CS34 should cause Delivery Suggestion Generation (if calendar open) or just Save Demand Plan in Suppliers History (If calendar closed).

Note that Time Window: Start Time in Partner Agreement is still used if using Automatic Confirmation and using "Triggered" This time should be set the time (or just after) the CS34 is expected to be received.

Supply, Analyzer: The Exclude From Reports attribute was cleared by the CS10 Delivery Agreement transaction

The error was corrected.

The error was NOT present in the Partner Agreement-, Product Definition- (CS08, which also updates Delivery Agreement) or Partner- (which also updates Partner Agreement) transactions.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2012-02-22

EANNo missing in transaction PW48

The field DespatchAdviceLine.EANNo, fetched from EAN/GTIN in own bucket, is missing in PW48 and the underlying data from the database.

This issue has now been remedied.

CS05 is not sent for the confirmed delivery when shipping with split

CS05 was not sent for the confirmed delivery when shipping with split. If a confirmed delivery is split the remaining part that is still confirmed must also be sent in CS05 Inbound Order Response as the quantity is decreased. This is now corrected.

Export delivery forecast to suppliers with PW39

When the supplier wants a delivery forecast with all suggestions and "orders" this can be handled now using PW39. A list is created including all suggestions within the next X days. It includes both shipment time and reception time.

Selected property 122 controls how many working days to include (suppliers calendar, compared to shipment time).

Selected property 123 controls highest status to include. Set to 40 to include up to confirmed. Set to 10 to only include suggestions

The transaction is sent out at same time as CS67. To configure it, Set "Send summed suggestions" to "After generation wait" or "After generation at" and link a channel to the inbound partner agreement and link PW39 to that channel.

You must also configure "Main Address" on Own Site. To get Site Id in the transaction set Party Id to same value as Site Id.

The Goods Recipient, Delivery Recipient and Invoice Recipient will also be added to the transaction if defined on Own Site.

Compared to delivery schedules from Volvo, Scania and Thule there are no received delivery notes and accumulated quantities in PW39.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2012-03-13

ProductDefinition transaction CS08 update of EanNo/GTIN.

ProductDefinition transaction CS08 does not create or update the ProductDefinition object with the EanNo/GTIN supplied in the ProductDefinition.EANNo attribute in the transaction.

The problem is due to a faulty mapping implementation. This issue has now been resolved.

Database access hangs in Socket Read

Long running database access could cause the server to hang indefinitely. Most likely caused by sockets timing out. Problem solved by turning on the drivers socketKeepAlive flag.

Action on installation

None

PipeChain 4.7.0 20

Release Date: 2012-03-30

CS02 Orderresponse does not add/subtract leadtime to reception-/and shipmenttime

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.

Added more tracking possibilities in background job Supply Database Clean Up job

Add more tracking possibilities in background job Supply Database Clean Up job. There are two new selected properties that can be used for tracking errors related to Supply Database Clean Up job:

[1490] Delay in minutes after midnight that Supply Database Clean Up job should start

[1491] Extend logging for Supply Database Clean Up (true/false, default false)

Database statement is not always closed when processing CS06 Receiving Advice

Database statement is not always closed when processing CS06 Receiving Advice. This was the case when continue to receive on an existing finished inbound delivery. This is now Corrected.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2012-05-11

Analyzer: Three changes/corrections

1 - Changes to the Inventory cube.

All measures "Avg (%)" cube.

Error could cause that value did not show up in the

All measures of "(Curr)" type.

Two decimals were added to the format, causes

zeroes and small values to appear in the cube.

All measures of "(Days)" and "(Units/Day)" type. One decimal was added to the format, causes zeroes and small values to appear in the cube.

Requires that the OLAP database definition is updated (using the "restore" operation), or an Analyzer upgrade is performed.

2 - Changes to the Inventory database view.

The logic for "Active" measures was changed.

A record where "In Transit" balance has unlimited duration (run-out time) will no longer be regarded as "inactive" as long as the balance on hand has limited duration.

Note that records where "In Transit" balance has unlimited duration are still removed (NULL-ed) from "In Transit, Active" measures.

Requires that a SQL script "ANALYZER_CORRECTION_View_FactInventory.sql" is run on the Analyzer database, or an Analyzer upgrade is performed.

3 - Error correction for PipeChain POC users where "Split order line at Confirmation" is allowed and PipeChain Analyzer is used.

A "Split" flag was not set on the original line, which could cause PipeChain Analyzer to react erroneously (and remove split lines).

Requires that the PipeChain.jar file is updated.

Optionally, a script "SUPPORT_DEV2022_FIX_SPLIT_FLAG_ERROR.sql" can be run.

It sets the "Split" flag on the original lines, then sets a flag which causes both original lines and split lines to be resaved to PipeChain Analyzer.

Action on installation

All three problems are handled automatically for new installations in versions 4.7.0, 4.8.0, 4.9.0 or 4.9.1.

All three problems are handled automatically when upgrading to latest service pack of versions 4.7.0 (SP21), 4.8.0 (SP23), 4.9.0 (SP22) or 4.9.1 (SP00).

All three problems are handled by PipeChain for SAAS installations in versions 4.7.0, 4.8.0, 4.9.0 or 4.9.1.

Any customer wishing to apply these changes to their existing version (4.7.0 or later) may do so by contacting PipeChain Support.

Release Notes Summary

PipeChain 4.7.0



Possible to close MACom processing when running Supply Database Clean Up job

Possible to close MACom processing when running Supply Database Clean Up job. This makes it possible to solve problem with dead lock problems among threads.

New selected property controlling stop of macom processors

[1492] Stop MACom processing during Supply Database Clean Up (true/false, default false)

PipeChain 4.7.0 22

Release Date: 2012-07-02

Inventory Chart: Correction in Partner's Resulting Balance on In & Out Deliveries tab

There was a bug in the calculation of the Partner's Resulting Balance in the Inventory Chart's "In & Out Deliveries" tab. That bug is now corrected.

Release Notes Summary

PipeChain 4.7.0



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Release Date: 2012-11-13

LoadPlanner: Outbound order change (CS42) is now sent when a confirmed delivery is moved or has changed shipment time in the LoadPlanner

Outbound order change (CS42) is now sent when a confirmed delivery is moved or has changed shipment time in the Load Planner. The moved deliveries (order lines) has status "Changes sent to order system" after a move or change of shipment time. The Shipment has in this case status "Sent to order system". The logic or when it's allowed to change shipment time is also updated so that it's not allowed when an order line has status "Changes sent to order system"

Split flag for order line was not always set as it should which could cause transaction conflict in Analyzer Poll

Split flag for order line was not always set as it should, which could cause transaction conflict in Analyzer Poll. This error is now corrected.

Analyzer Poll is also made more robust against inconsistent split flag data.

Web user deadlocked at logout

When logging out, a web user could sometimes hit a deadlock, that in rare cases locked the entire server. That problem is now fixed.

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Release Date: 2012-12-12

Release Notes Summary

PipeChain 4.7.0



PipeChain 4.7.0 25

Release Date: 2013-11-15

Last Confirmed Qty not set correct when therse already exist a splited delivery thats is received but not shipped when processing CS06

Last Confirmed Qty not set correct when therse already exist a splited delivery thats is received but not shipped. This error is now corrected.

PipeChain Client: Stopped unnecessary server communication

Detail screens for Suplier and Customer have an indicator, that displays if the background job for creating Suggestions is running. The indicator is kept updated by a thread that repeatadley queries the server. Under certain circumstances, that thread kept running after the user had logged out. This resulted in error printouts uín the server's log. This problem is now fixed.

Tomcat 7 instruction metadata-complete="true" in web.xml

The instruction metadata-complete="true" should speed up the start of Tomcat 7.

Previous Confirmed Quantity Sent in PW05

The previously confirmed quantity, PrevConfirmedQty, is now sent in PW05, in addition to the existing fields OriginalQty (First Confirmed) and ConfirmedQty (Last Confirmed).

Release Notes Summary

PipeChain 4.7.0



Analyzer: Operation to undo a Delivery Precision error in PipeChain Supply and Analyzer

This operation may be used if a Delivery Precision error has been registered, but afterwards it was concluded that the supplier was not to blame after all.

The operation "Undo Delivery Precision Error" is applied in the PipeChain client, on one delivery at a time. It is available in the Inbound Delivery Overview or Finished Inbound Delivery Overview screens as a menu choice.

Site Administrator privileges are required. The function works in two steps, 'analyze' followed by a conditional 'undo'.

The operation checks if Delivery Precision is measured against Shipment or Receipt parameters.

If there is no DP error, a dialog box replies so, otherwise a dialog asks the user to confirm the operation.

Ths 'analyze' and 'undo' steps are made in PipeChain Supply and changes propagate to PipeChain Analyzer at the next Analyzer Poll.