

# Using BI to Streamline Supply Chain for a Product Line



## Applies to:

This article applies to SAP - BI / BW (release 3.5 as well as 2004s). For more information, visit the [Business Intelligence homepage](#).

## Summary

This article provides an approach on the ease of SAP-BI reporting in streamlining supply chain for a product line. The product managers can use this single report to pinpoint status of order in the fulfillment process, expected future cash flows, identify delivery and production related issues; all this within minutes and without running multiple reports.

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## Author Bio



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## Scenario

For a manufacturing and/or distribution company, controlling the logistics flow and reducing inefficiencies is very essential to improve profitability and sustain business especially in today's tough economic times. A simple reporting solution is required that will give on the fly information that is seamless across functional areas.

## Business Case

Product managers many times do not have much visibility into status of their orders in the order fulfillment cycle. The ease of use and slice and dice of the data is a problem.

Companies have ERP reports that run for hours and are not flexible to analyze and slice and dice data. Running the SAP reports require good knowledge on part of brand manager in multiple functional areas. Also these reports are not linked. All this makes tracking products in order fulfillment cycle very difficult.

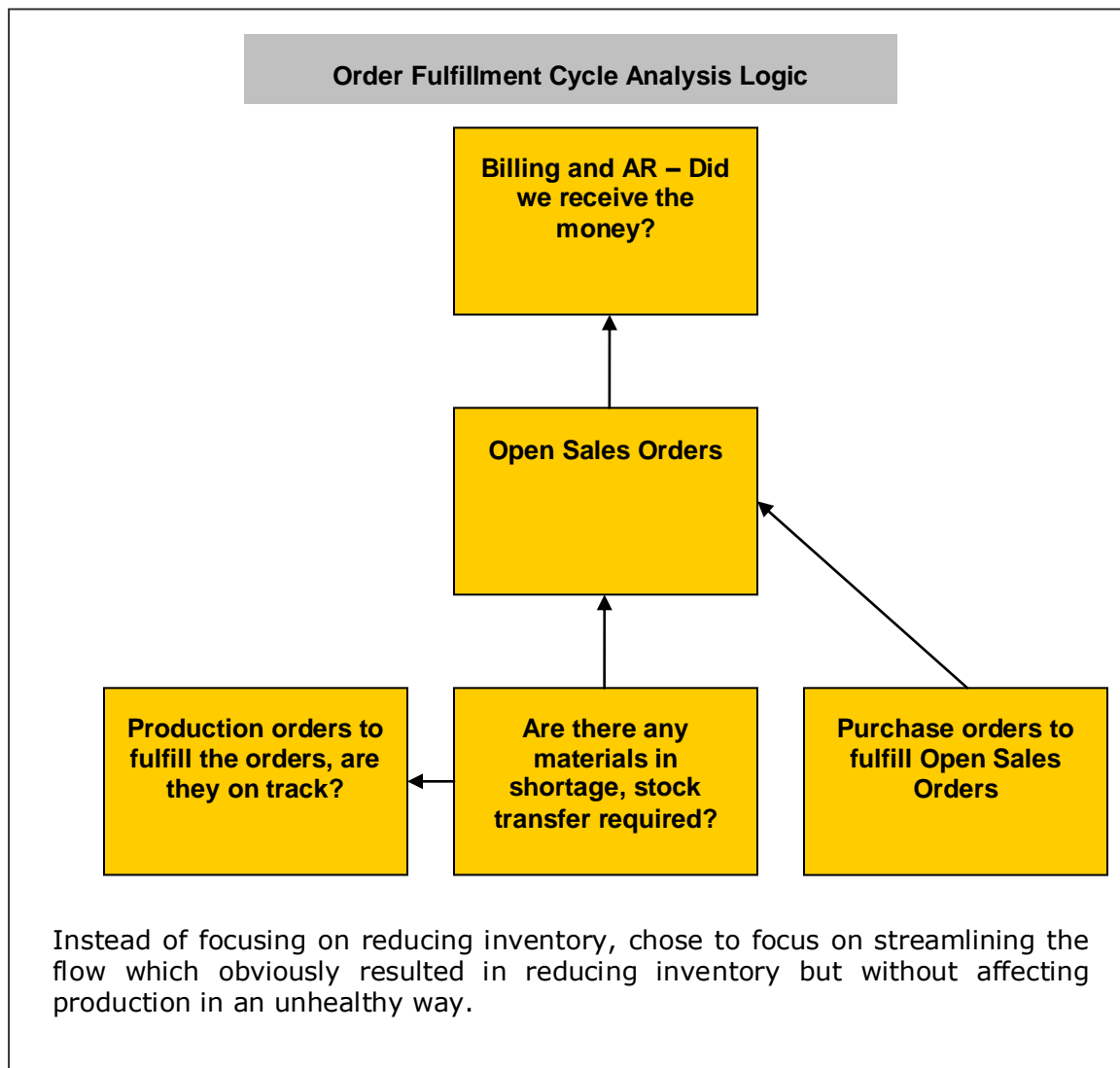
Here is a simple 5 key KPI approach using SAP BI in a typical manufacturing company to streamline the flow. Primary user group of this report is Product managers.

## Solution Details

Here is an example of one BI report which has 5 queries that would be a key tool for product manager to influence how to streamline the flow. The BI tool gives a simple single workbook interface for manager to easily explore flow for any particular sales order.

What the manager will do is sort open sales orders by high dollar values as a starting point and see if it is on track or not. If required, focus on an order and go to appropriate tab to analyze what is the source for fulfilling those orders, identify any bottlenecks and work on those.

Also the manager can run finance report to find dues from customers and follow-up on those.



	A	B	C	D	E	F	G	H	I
71	2293733	1	1	1J296D2F1	WEST	1 EA	0 EA	\$ 43,246.14	\$ 43,246.14
72			2	1J296D2F1	WEST	0 EA	1 EA	\$ 43,246.14	X
73	2293739	4	1	910J344F3	WEST	1 EA	0 EA	\$ 83,783.17	\$ 83,783.17
74	2298452	1	1	4J164D1C1	WEST	1 EA	1 EA	\$ 37,928.73	\$ 0.00
75	2299750	6	1	979E691F1	WEST	2 EA	0 EA	\$ 10,759.96	\$ 10,759.96
76			2	979E691F1	WEST	0 EA	2 EA	\$ 10,759.96	X
77	2301488	1	1	907N7-1	WEST	1 EA	1 EA	\$ 2,070.62	\$ 0.00
78	2305519	3	1	10J47F1	WEST	1 EA	1 EA	\$ 45,849.42	\$ 0.00
79	2310078	1	1	R64718D13	WEST	1 SET	0 SET	\$ 28,146.00	\$ 28,146.00
80	2311033	1	1	45Z91D42	WEST	2 EA	2 EA	\$ 12.70	\$ 0.00
81	2314772	1	1	14N1952	WEST	1 EA	1 EA	\$ 2,206.63	\$ 0.00
82	2314790	1	1	980H54-1	WEST	1 EA	1 EA	\$ 1,611.15	\$ 0.00
83		2	1	980H54-1	WEST	3 EA	3 EA	\$ 4,833.45	\$ 0.00
84	2315838	3	1	100P1006-1	WEST	1 EA	1 EA	\$ 5,815.32	\$ 0.00
85	2315841	2	1	19N11	WEST	5 EA	5 EA	\$ 11,549.10	\$ 0.00
86	2318484	2	1	18P4325D1	WEST	1 EA	0 EA	\$ 16,624.87	\$ 16,624.87
87			2	18P4325D1	WEST	0 EA	1 EA	\$ 16,624.87	X
88	2321319	1	1	12Z488	WEST	1 EA	1 EA	\$ 1,544.68	\$ 0.00
89	2321323	1	1	R15754D1	WEST	64 EA	0 EA	\$ 238,976.00	\$ 238,976.00
90			2	R15754D1	WEST	0 EA	64 EA	\$ 238,976.00	X
91		2	1	R15754D2	WEST	32 EA	0 EA	\$ 120,736.00	\$ 120,736.00
92			2	R15754D2	WEST	0 EA	32 EA	\$ 120,736.00	X
93		3	1	R15755F1	WEST	96 EA	0 EA	\$ 36,480.00	\$ 36,480.00
94			2	R15755F1	WEST	0 EA	96 EA	\$ 36,480.00	X
95	2321754	1	1	R25275D2	WEST	2 EA	2 EA	\$ 3,514.30	\$ 0.00
96	2321824	3	1	25Z259D214	WEST	2 EA	2 EA	\$ 4,293.86	\$ 0.00
97		4	1	25Z259D214	WEST	1 EA	0 EA	\$ 2,146.93	\$ 2,146.93
98			2	25Z259D214	WEST	0 EA	1 EA	\$ 2,146.93	X
99	2322531	15	1	R52541D1	WEST	13 EA	13 EA	\$ 926.77	\$ 0.00
100	2324299	21	1	25J177D2	WEST	1 EA	0 EA	\$ 2,110.32	\$ 2,110.32
101			2	25J177D2	WEST	0 EA	1 EA	\$ 2,110.32	X
102	2325914	2	1	12N577D2	WEST	1 EA	1 EA	\$ 972.20	\$ 0.00
103		4	1	R35089F3	WEST	2 EA	2 EA	\$ 14,020.74	\$ 0.00

Screenshot of the Report with various worksheets in it

Notes:

The final details of the report format and precise definitions of each of the KPIs would change from company to company.

The data comes from 5 functional areas and hence this document is about approach towards the solution and high level overview of the various components of the solution but is not a step by step how to guide.

The R/3 Sources and the data flow are given at the end.

## Pieces of the puzzle:

### A. Outstanding Sales Orders

Key step is defining sales orders that can bring future revenue. In this case assumption is, once PGI is done, item does not qualify for outstanding sales order from logistics tracking perspective.

	A	B	C	D	E	F	G	H	I	
53	Order Quantity In									Order Date GR
54										Pricing
55	Sales document	Item	Schedule Line	Material	Sales Office	Order quantity	Delivered quantity	Net value	Back Order Net Value	Company code
56	2132458	1	1	910J347-2	WEST	1 EA	1 EA	\$ 24,161.49	\$ 0.00	Overall Blocked Stat
57	2151847	1	1	18N2628D2	WEST	4 EA	4 EA	\$ 1,254.08	\$ 0.00	Delivery Status
58	2174144	4	1	100A3369-1	WEST	1 EA	1 EA	\$ 8,839.80	\$ 0.00	Payer
59	2181546	1	1	R31793F2	WEST	1 EA	0 EA	\$ 172,384.20	\$ 172,384.20	Sales group
60			2	R31793F2	WEST	0 EA	0 EA	\$ 172,384.20		Ship-To Party
61	2227601	1	1	24J284M1	WEST	2 EA	2 EA	\$ 9,138.86	\$ 0.00	Customer Price Group
62	2241934	1	1	R15627F1	WEST	1 EA	1 EA	\$ 17,368.13	\$ 0.00	Item
63	2250693	1	1	79F2010	WEST	3 EA	3 EA	\$ 4,713.96	\$ 0.00	Item bill.data
64	2254530	12	1	1N1481	WEST	1 EA	1 EA	\$ 54,945.01	\$ 0.00	Item deliv.data
65	2260547	3	1	75Q11D15	WEST	2 EA	2 EA	\$ 4,285.74	\$ 0.00	Reference document
66	2285510	11	1	18P8427D8	WEST	2 EA	2 EA	\$ 1,847.52	\$ 0.00	UpdateDateStatistics
67	2289685	2	1	100A3369-1	WEST	1 EA	1 EA	\$ 7,302.63	\$ 0.00	Customer PO Date
68	2289729	1	1	1033J23F2	WEST	1 EA	1 EA	\$ 6,790.50	\$ 0.00	Item Deleted
69	2292311	5	1	25Z259D215	WEST	1 EA	1 EA	\$ 184.86	\$ 0.00	Act.goods issue date
70		16	1	1J227C1	WEST	1 EA	1 EA	\$ 37,831.75	\$ 0.00	Requested deliv.date
71	2293733	1	1	1J296D2F1	WEST	1 EA	0 EA	\$ 43,246.14	\$ 43,246.14	Conf. Delivery Date
72			2	1J296D2F1	WEST	0 EA	1 EA	\$ 43,246.14		Plan. GI Date of SL
73	2293739	4	1	910J344F3	WEST	1 EA	0 EA	\$ 83,783.17	\$ 83,783.17	Last Act. GI Date
74	2298452	1	1	4J164D1C1	WEST	1 EA	1 EA	\$ 37,928.73	\$ 0.00	Actual Delivery Date
75	2299750	6	1	979E691F1	WEST	2 EA	0 EA	\$ 10,759.96	\$ 10,759.96	Last Act. Delivery
76			2	979E691F1	WEST	0 EA	2 EA	\$ 10,759.96		GI Status
77	2301488	1	1	907N7-1	WEST	1 EA	1 EA	\$ 2,070.62	\$ 0.00	Sched. Line Deleted
78	2305519	3	1	10J47F1	WEST	1 EA	1 EA	\$ 45,849.42	\$ 0.00	Record deleted
79	2310078	1	1	R64718D13	WEST	1 SET	0 SET	\$ 28,146.00	\$ 28,146.00	Overall status
80	2311033	1	1	45Z91D42	WEST	2 EA	2 EA	\$ 12.70	\$ 0.00	Overall Delivery status
81	2314772	1	1	14N1952	WEST	1 EA	1 EA	\$ 2,206.53	\$ 0.00	Sales Document First
82	2314790	1	1	980H54-1	WEST	1 EA	1 EA	\$ 1,611.15	\$ 0.00	Reason for rejection
83		2	1	980H54-1	WEST	3 EA	3 EA	\$ 4,833.45	\$ 0.00	Request ID
84	2315838	3	1	100P1006-1	WEST	1 EA	1 EA	\$ 5,815.32	\$ 0.00	Sales document
85	2315841	2	1	19N11	WEST	5 EA	5 EA	\$ 11,549.10	\$ 0.00	

Data can be filtered and sliced and diced accordingly to any of these characteristics.

## B. Purchasing

Key questions that BI query tries to address were:

Status on order placed with the supplier, is it on time or needs follow-up.

Material purchased is for a production order or direct supply to customer and not just for inventory.

Are suppliers supplying goods before required date that un-necessarily adds to inventory? Are suppliers being paid on or after due date and not before committed time unnecessarily because he delivered early.

	B	C	D	E	F	G	H	I	J	K	
7											Fiscal year/period
8											Purchasing org.
9											Key figures
10											Vendor
11											Material
12											Plant
13											Purchasing group
14											PO Number
15											PO Item
16											Material document
17											Item
18											Schedule line
19											Delivery Date
20											PO Hdr Dt.
21											PO Item Ch Dt
22											Posting Date
23											GR Score
24											Stat. del. date
25	Material	Plant	Factory Calendar ID	Purchasing group	PO Number	PO Item	Material document	Item	Schedule line	Delivery Date	
26	00572093-0018	200	ZA	217	4501547376	10	5005208639	1	1	12/19/2005	PO GR Delivery Sched
27	00602401-7016	200	ZA	212	4501547380	10	5005040397	1	1	11/21/2005	Base Unit
28	00541011-0110	200	ZA	232	4501547379	10	5005015689	1	1	11/7/2005	Expected LT Delivery
29	00541011-0110	200	ZA	232	4501547379	10	5005048979	1	1	11/7/2005	
30	100158371	200	ZA	232	4501547375	10	5005040193	1	1	11/21/2005	
31	100158371	200	ZA	232	4501547375	10	5005093259	1	1	11/21/2005	
32	01069127-0357	200	ZA	232	4501547377	10	5005043988	1	1	11/21/2005	
33	00572026-0001	200	ZA	232	4501547381	10	5005087135	1	1	11/16/2005	
34	100222629	200	ZA	232	4501547378	10	5005070909	1	1	11/7/2005	
35											
36											
37											
38											

Data can be filtered and sliced and diced accordingly to any of these characteristics.

## C. Production Orders

Identifying the production orders that correspond to a particular sales order and seeing the status on future delivery date. It also includes checking if the required sub-components are available and are on schedule in production cycle.

Identifying the orders for the material group that are not against an order but are for inventory.

	A	B	C	D	E	F	G	H
29								
30	Calendar Day	Calendar Year/Week	Person		LatestTargetStart	EarliestTargetFinish	Earl. Target Start	Act. Operation Sta
31	4/17/2009	16/2009	#	Not assigned	4/20/2009	5/4/2009	4/20/2009	4/17/2009
32	4/18/2009	16/2009	148244	148244	6/4/2009	5/5/2009	5/4/2009	4/18/2009
33	4/20/2009	17/2009	147687	147687	6/4/2009	5/5/2009	5/5/2009	4/20/2009
34			148244	148244	6/4/2009	5/5/2009	5/4/2009	4/18/2009
35							5/5/2009	4/20/2009
36	4/21/2009	17/2009	100200	Denis Malnar	6/4/2009	5/6/2009	5/5/2009	4/21/2009
37						5/8/2009	5/7/2009	4/21/2009
38			100207	Darrell Howells	6/4/2009	5/8/2009	5/7/2009	4/21/2009
39			100214	Joseph Yankovich	6/4/2009	5/6/2009	5/5/2009	4/21/2009
40						5/13/2009	5/11/2009	4/21/2009
41			147687	147687	6/4/2009	5/13/2009	5/11/2009	4/21/2009
42			148244	148244	6/4/2009	5/6/2009	5/5/2009	4/21/2009
43	4/22/2009	17/2009	100035	Tommie Yee	6/4/2009	5/13/2009	5/11/2009	4/21/2009
44			100207	Darrell Howells	6/4/2009	5/8/2009	5/7/2009	4/21/2009
45			126584	126584	6/4/2009	5/6/2009	5/5/2009	4/21/2009
46						5/8/2009	5/7/2009	4/21/2009
47			147687	147687	6/4/2009	5/13/2009	5/11/2009	4/21/2009
48			148244	148244	6/4/2009	5/13/2009	5/11/2009	4/21/2009
49	4/23/2009	17/2009	100035	Tommie Yee	6/4/2009	5/13/2009	5/11/2009	4/21/2009
50			100214	Joseph Yankovich	6/4/2009	5/13/2009	5/11/2009	4/21/2009
51			149375	149375	6/4/2009	5/14/2009	5/14/2009	4/23/2009
52	4/29/2009	18/2009	121248	Nancy Beiler	6/4/2009	5/15/2009	5/15/2009	4/29/2009
53			121438	Michael Carozza	6/4/2009	5/15/2009	5/15/2009	4/29/2009
54			150482	150482	6/4/2009	5/15/2009	5/15/2009	4/29/2009
55	4/30/2009	18/2009	121438	Michael Carozza	6/4/2009	5/15/2009	5/15/2009	4/29/2009
56	5/5/2009	19/2009	149001	149001	6/4/2009	5/27/2009	5/27/2009	5/5/2009
57			#	Not assigned	6/4/2009	5/19/2009	5/19/2009	5/5/2009
58	5/6/2009	19/2009	120885	RONALD READINGER	6/4/2009	5/27/2009	5/27/2009	5/5/2009
59			148792	148792	6/4/2009	5/27/2009	5/27/2009	5/5/2009
60	5/9/2009	19/2009	100156	James Rankin	6/4/2009	5/29/2009	5/28/2009	5/9/2009
61	5/11/2009	20/2009	123703	ROBIN BORGER	6/4/2009	6/2/2009	6/2/2009	5/11/2009

Company code
Calendar Year/Month
Fiscal year/period
Order type
Event
Request ID
Actual Start
Act. Start Exec. Time
Sales document
Calendar Day
Calendar Year/Week
Person
LatestTargetStart
EarliestTargetFinish
Earl. Target Start
Act. Operation Start
Material Type
Material
Work Center
Material Group
ProdHier
Order
Transaction
Plant

Data can be filtered and sliced and diced accordingly to any of these characteristics.



### D. Inventory

In case the production is stuck for a key ingredient or there is shortage of finished product, quick inventory report by material can reveal global availability and hence proposed action (stock transfer, purchase or production).

	A	B	C	D	E	F	G	H	I
31	Fiscal Year								
32	Material								
33									
34	Period	Plant	Material type	Fiscal Year	Material	CEP Quantity	Cost Center Quantity	Sales Quantity	Service Quantity
35	10	4B1	CEP	2009	RP00600306-0171	0 EA	0 EA	0 EA	0 EA
36					RP100J5900F2	0 EA	0 EA	0 EA	0 EA
37					RP100J5949F4	0 EA	0 EA	0 EA	0 EA
38					RP1074Z174	0 EA	0 EA	0 EA	0 EA
39					RP1074Z318	0 EA	0 EA	0 EA	0 EA
40					RP1088Z521	0 EA	0 EA	0 EA	0 EA
41					RP2375Z526F1	0 EA	0 EA	0 EA	0 EA
42					RP2375Z621D1	0 EA	0 EA	0 EA	0 EA
43					RP2375Z622D1	0 EA	0 EA	0 EA	0 EA
44					RP36A161896AAG31	0 EA	0 EA	0 EA	0 EA
45					RP36B469700ACG07	0 EA	0 EA	0 EA	0 EA
46					RP41D735771G4	0 EA	0 EA	0 EA	0 EA
47					RP65550-4	0 EA	0 EA	0 EA	0 EA
48					RP75Q226D1	0 EA	0 EA	0 EA	0 EA
49					RP81880-4	0 EA	0 EA	0 EA	0 EA
50					RP82921-2	0 EA	0 EA	0 EA	0 EA
51					RP82921-6	0 EA	0 EA	0 EA	0 EA
52					RP82928-3	0 EA	0 EA	0 EA	0 EA
53					RP82949-342	0 EA	0 EA	0 EA	0 EA
54					RP82965-2	0 EA	0 EA	0 EA	0 EA
55					RP82995-5	0 EA	0 EA	0 EA	0 EA
56					RP98-190110412	1 EA	0 EA	0 EA	0 EA
57					RP98-AA0033SX	0 EA	0 EA	0 EA	0 EA
58					RPEBM1144F1	0 EA	0 EA	0 EA	0 EA
59					RPEBM1144F3	0 EA	0 EA	0 EA	0 EA
60					RPEBM1155F1	1 EA	0 EA	0 EA	0 EA
61					RPEBM1238F3	0 EA	0 EA	0 EA	0 EA
62					RPEBM1498F1	0 EA	0 EA	0 EA	0 EA
63					RPEBM1511F3	0 EA	0 EA	0 EA	0 EA

Safety Stock
Proc Type
INV: Source of Suppl
Price Controller
Action control: plan
Purchasing Group
Division
AcctAssgGr
Item category
Source Of Supply
MaterialGroup 1
Vendor
MaterialGroup 2
Prod.hierarchy
MRP Controller
MaterialGroup 4
Valuation class
Production scheduler
MaterialGroup 5
Region / Primary Pla
MaterialGroup 3
Replenishment Lead T
MRP Type
standard
Key Figures
Period
Plant
Material type
Fiscal Year
Material

Data can be filtered and sliced and diced accordingly to any of these characteristics.

## E. Accounting

Once PGI has been done it goes for billing and raises invoices. AR keeps a tab on outstanding payments from customers.

A comparison report between AR and Billing would reveal items for follow-up with the customers for payment and discrepancies.

	A	B	C	D	E	F	G	H
40								
41	Customer		BW: Document Number	Billing Amount	Billing Amount - OE	Billing Amount- NonOE	AR Balance	AR -0 Days
42	10028	Ste	9402507375	\$ 105.84		\$ 105.84		
43			9402507376	\$ 54.00		\$ 54.00		
44			9402508486	\$ 6,016.00		\$ 6,016.00		
45			9402508487	\$ 1.44		\$ 1.44		
46			9402511722	\$ 90.32		\$ 90.32		
47			9402511723	\$ 77.92		\$ 77.92		
48			9402512258	\$ 2,061.02		\$ 2,061.02		
49			9402512259	\$ 23.94		\$ 23.94		
50			9402512956	\$ 442.80		\$ 442.80		
51			9402513002	\$ 252.40		\$ 252.40		
52			9402513003	\$ 6.56		\$ 6.56		
53			9402513004	\$ 6,493.50		\$ 6,493.50		
54			9402513055	\$ 2,174.30		\$ 2,174.30		
55			9402514706	\$ 107.57		\$ 107.57		
56			9402514707	\$ 199.67		\$ 199.67		
57			9402514708	\$ 126.96		\$ 126.96		
58			9402514709	\$ 4,010.50		\$ 4,010.50		
59			9402514710	\$ 978.46		\$ 978.46		
60			9402514711	\$ 194.70		\$ 194.70		
61			9402514712	\$ 3,050.55		\$ 3,050.55		
62			9402514713	\$ 157.60		\$ 157.60		
63			9402514714	\$ 160.88		\$ 160.88		
64			9402514742	\$ 2,175.91		\$ 2,175.91		
65			9402514743	\$ 1,032.98		\$ 1,032.98		
66			9402514744	\$ 1,652.62		\$ 1,652.62		
67			9402514745	\$ 4,768.50		\$ 4,768.50		
68			9402514746	\$ 3,651.54		\$ 3,651.54		
69			9402515848	\$ 12,012.00		\$ 12,012.00		
70			9402515849	\$ 978.46		\$ 978.46		
71			9402515850	\$ 28.23		\$ 28.23		
72			9402515851	\$ 8,033.00		\$ 8,033.00		

Sales Organization
Distribution Channel
Material Group
Division
Sales document
Billing document
Cust. sales viewpnt
Billing Doc No
Fiscal year/period
Sold-to party
InfoProvider
Request ID
Clearing Doc.Number
Cust. Account Group
MPG
Payer
Document type
Document date
Net payment due date
Doc.number
Material
Account group
BW: Document Line No
Calendar Day
Sales district (Master Data)
Sales District
Sales office (Master Data)
Sales Office
Customer group
Item Text
Sales group
Chart of accounts
G/L Account

Data can be filtered and sliced and diced accordingly to any of these characteristics.

## Technical Details: Source of ERP data and the dataflow

### A. Outstanding Sales Orders

Order details come from 2LIS\_11\_VASCL extractor whereas delivery and PGI data comes from 2LIS\_11\_V\_SSL extractors. Data is stored in SAP standard cube OSD\_C02.

### DataSource: Customer version Display

**Header Data**

DataSource	2LIS_11_VASCL	Package	
Description	Sales Document Schedule Line		

**Extraction**

ExtractStruct.	MC11VA0SCL
Direct Access	D
Delta Update	<input checked="" type="checkbox"/>
DataSource for Reconciliation	<input type="checkbox"/>

Field Name	Short text	Selection	Hide field	Inversion	Field only	
ABGRU	Reason for rejection of quotations and sal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▲
ABSTA	Rejection status for SD item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▼
AEDAT	Changed On	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ANGDT	Quotation/Inquiry is valid from	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
APOPLANNED	Planning in APO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AUART	Sales Document Type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AUDAT	Document Date (Date Received/Sent)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
AUGRU	Order reason (reason for the business tra	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AWAHR	Order probability of the item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BMENG	Confirmed Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BNAME	Name of orderer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BNDDT	Date until which bid/quotation is binding (\	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BSTDK	Customer purchase order date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BSTDK_E	Ship-to party's PO date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BSTKD	Customer purchase order number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▲
BSTZD	Purchase order number supplement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	▼

## DataSource: Customer version Display

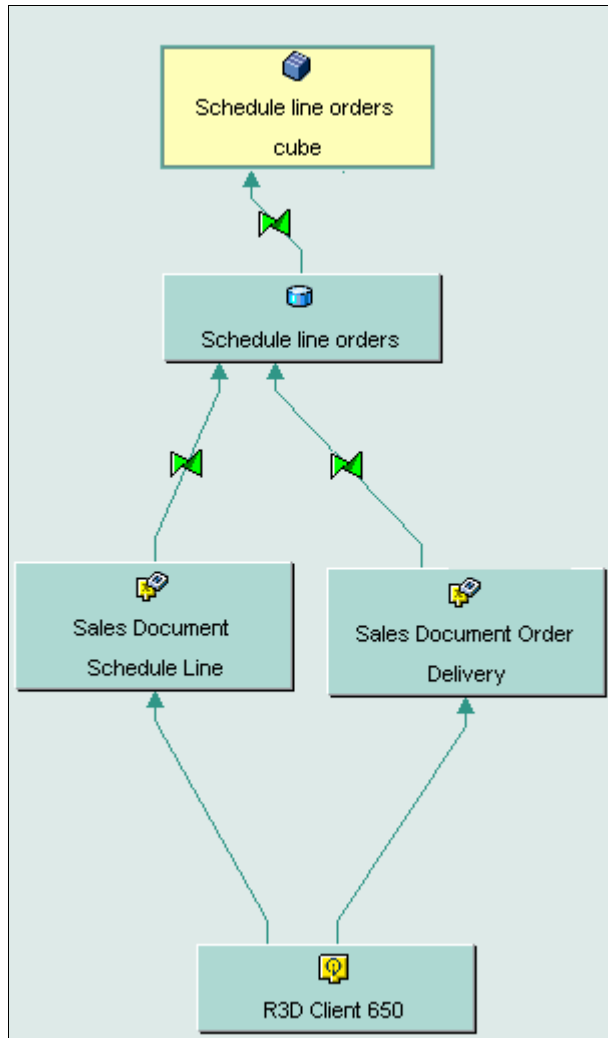
### Header Data

DataSource: 2LIS\_11\_V\_SSL Package:   
 Description: Sales Document Order Delivery

### Extraction

ExtractStruct: MC11V\_0SSL  
 Direct Access: D  
 Delta Update:  DataSource for Reconciliation:

Field Name	Short text	Selection	Hide field	Inversion	Field only
BMENG	Confirmed Quantity of Sales Order Sched.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ETENR	Delivery Schedule Line Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LF6SA	Overall delivery status of the item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LFSTA	Delivery status	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIFSP	Default delivery block	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_B_LFD	Confirmed Delivery Date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_B_LFU	Confirmed Delivery Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_B_WAD	Planned Goods Issue Date of Confirmed :	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_I_LFD	Actual Delivery Date of Delivery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_I_LFU	Last Actual Delivery Date of Order Item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_I_LFU	Actual Delivery Time of Delivery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_I_LFU	Last Actual Delivery Time of Order Item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_I_WAD	Actual Goods Movement Date of Delivery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_I_WAD	Last Actual Goods Movement Date of Orde	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_WBSTA	Smallest Goods Movement Status of Orde	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MCEX_W_LFD	Requested Delivery Date of Sales Order S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## B. Purchasing

Similar to Sales order schedule line and delivery data; purchasing data comes from following extractor 2LIS\_02\_SCL, 2LIS\_02\_SGR.

## C. Production Orders

Production order details come from Work center wise analysis extractor 2LIS\_04\_P\_ARBPL and the data is loaded in SAP standard cube OPP\_C04.

## DataSource: Customer version Display

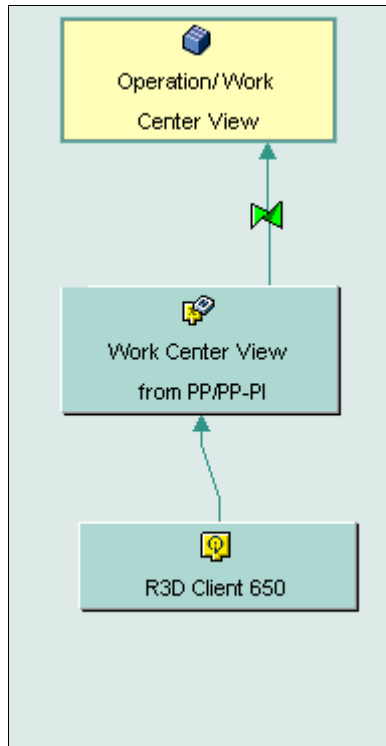
### Header Data

DataSource	2LIS_04_P_ARBPL	Package	
Description	Work Center View from PP/PP-PI		

### Extraction

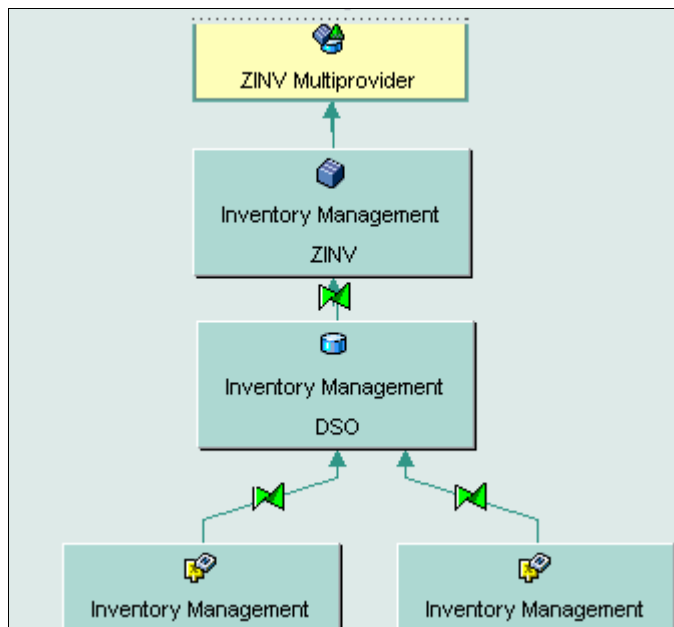
ExtractStruct.	MC04P_0ARB
Direct Access	D
Delta Update	<input checked="" type="checkbox"/>
DataSource for Reconciliation	<input type="checkbox"/>

Field Name	Short text	Selection	Hide field	Inversion	Field only	
ABRUE	Scheduled teardown time	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	▲
AEDAT	Change date for Order Master	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	▼
AMEIN	Unit of measure for in-house production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARBII	Actual operating resources object identific	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARBPL	Work center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ARBPLI	Work center	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARUZE	Unit of measure for teardown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ASVRG	Operation scrap	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
AUART	Order Type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
AUFNR	Order Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AUTYP	Order category	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
A_TAB	Deviation in scheduled output date	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BEARZ	Scheduled processing time	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BEAZE	Unit of measure for processing time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BMSCH	Base Quantity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	▲
BUDAT	Posting date of last confirmation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▼



#### D. Inventory

Standard procedure for implementing inventory should be followed to extract and update stock levels.



## E. Accounting

Billing data is extracted from 2LIS\_13\_VDITM extractor and is loaded in OSD\_C03 billing cube. Accounts receivables data is extracted from OFI\_AR\_4 extractor and loaded in OFIAR\_C04 cube.

### DataSource: Customer version Display

Header Data					
DataSource	OFI_AR_4	Package	ZJIM		
Description	Customers: Line Items with Delta Extraction				

Extraction					
ExtractStruct	DTFIAR_3				
Direct Access	D				
Delta Update	<input checked="" type="checkbox"/>	DataSource for Reconciliation	<input type="checkbox"/>		

Field Name	Short text	Selection	Hide field	Inversion	Field only
AUGBL	Document Number of the Clearing Docum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AUGDT	Clearing Date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWKEY	Reference Key	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AWTYP	Reference Transaction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BELNR	Accounting Document Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BLART	Document Type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BLDAT	Document Date in Document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BSCHL	Posting Key	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BSTAT	Document Status	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUDAT	Posting Date in the Document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUKRS	Company Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUZEI	Number of Line Item Within Accounting Do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CPUDT	Day On Which Accounting Document Was	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMBE2	Amount in Second Local Currency	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMBE3	Amount in Third Local Currency	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DMBTR	Amount in Local Currency	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## DataSource: Customer version Display

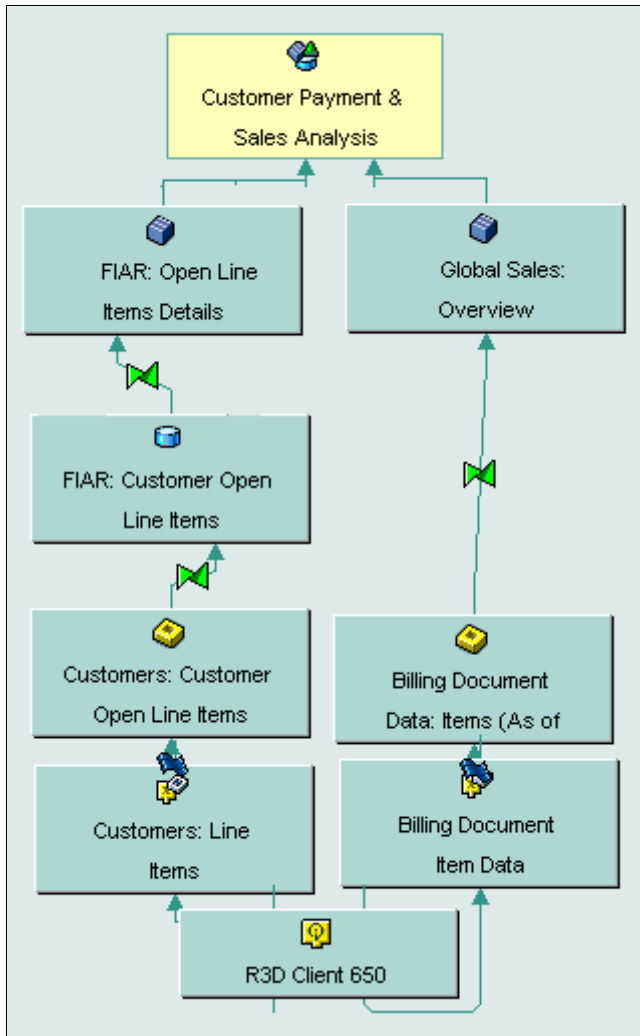
Header Data					
DataSource:	2LIS_13_VDITM	Package	ZJIM		
Description	Billing Document Item Data				

Extraction					
ExtractStruct.	MC13VD0ITM				
Direct Access	D				
Delta Update	<input checked="" type="checkbox"/>	DataSource for Reconciliation	<input type="checkbox"/>		

Field Name	Short text	Selection	Hide field	Inversion	Field only	
AEDAT	Changed On	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▲
AKTNR	Promotion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▼
ANZFKPOS	Number of billing items	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
AUBEL	Sales Document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AUPOS	Sales Document Item	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BELNR	Accounting Document Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BONBA	Rebate basis 1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BONUS	Volume rebate group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BRGEW	Gross weight	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BRTWR	Gross value of the billing item in documen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BSTNK_VF	Customer purchase order number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BUKRS	Company Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BUPLA	Business Place	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BVTYP	Partner Bank Type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BWAPPLNM	Application Component	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▲
BWVORG	SAP BW transaction key	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	▼



## Related Content

[How to Handle Inventory Management Scenarios in BW \(NW2004\)](#)

For more information, visit the [Business Intelligence homepage](#).

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