

SCM Consulting Solutions

Error Monitor 2011.1

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December, 13th 2011

Released
for
customer

Agenda

1. **The challenge: Daily trouble shooting in materials planning**
2. The solution: SCM Consulting Solution error monitor
3. Details on error monitor

The challenge: Daily trouble shooting in materials planning

During the daily trouble shooting your MRP planners encounter often the following problems:

- No central tool for daily trouble shooting available
- Processing of SAP MRP list too time-consuming
- MRP list doesn't point to main problems
- No overview about important orders or orders with problems
- No provident analysis of foreseeable errors

Agenda

1. The challenge: Daily trouble shooting in materials planning
- 2. The solution: SCM Consulting Solution error monitor**
3. Details on error monitor

The solution: SCM Consulting Solution error monitor

Questions and answers about SAP's error monitor:

Which prerequisites must be fulfilled by the customer?

- Use of SAP R/3 Material Management and Production Planning

Which advantages does the SAP error monitor offer?

- Overview of all existing and foreseeable exceptions in the MRP planning, e.g. per MRP planner
- Overview of master data errors from MRP list
- Overview of exceptions concerning transactional data like SD orders, MM orders, PP orders and inventory levels

Is the error monitor a modification?

- No, it is a add-on tool.

Is there any customizing necessary to use the error monitor?

- No, there are no customer specific adjustments necessary.

How time-consuming is the installation?

- The consulting solution will be installed within one day and is immediately available.

How much does the the error monitor cost?

- Please send an inquiry to Marc Hoppe

Goal's of SCM Consulting Solution error monitor

The error monitor helps to reduce the amount of time that is necessary for the daily trouble shooting in the materials planning process.



- MRP planners can easily focus on the important exceptions and solve them individually.
- MRP planners can concentrate on strategic topics like optimization of MRP parameters and a continuous inventory controlling.

Agenda

1. The challenge: Daily trouble shooting in materials planning
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
Details on error monitor

Program Error monitor

Analysis range MRP Errors Column display Demand calculation Coverage and stock Missing parts

Analysis scope



Plant	2007 			
MRP Controller	<input type="text"/>	to	<input type="text"/>	
Current Date	<input type="text"/>	to	<input type="text"/>	
Supplier for purch. req.	<input type="text"/>	to	<input type="text"/>	
Supplier reserv./dep. req.	<input type="text"/>	to	<input type="text"/>	
Sales Document Type	<input type="text"/>	to	<input type="text"/>	
Purchasing Doc. Type	<input type="text"/>	to	<input type="text"/>	
Order Type	<input type="text"/>	to	<input type="text"/>	
Plant-sp.matl status	<input type="text"/>	to	<input type="text"/>	
Procurement type	<input type="text"/>	to	<input type="text"/>	
Individual/coll.	<input type="text"/>	to	<input type="text"/>	
Special procurement	<input type="text"/>	to	<input type="text"/>	
MRP Type	<input type="text"/>	to	<input type="text"/>	
Purchasing Group	<input type="text"/>	to	<input type="text"/>	
Deletion flag plant level	<input type="text"/>	to	<input type="text"/>	

Performance settings

☐ Performance-optimized SD-queries (F1 for help)

Details on error monitor

Program Error monitor








 

Analysis range | **MRP Errors** | Column display | Demand calculation | Coverage and stock | Missing parts

Displayed MRP errors



- ☒ Group delays
- ☒ Group overcoverage
- ☒ Group undercoverage
- ☒ Group master data
- ☒ Group missing parts
- ☒ Group others
- ☒ Group changed purch. proposal

Grouping field numbers

Group delays	<input type="text" value="02"/>	to	<input type="text"/>	
Group overcoverage	<input type="text" value="40"/>	to	<input type="text"/>	
Group undercoverage	<input type="text" value="25"/>	to	<input type="text"/>	
Group Master data	<input type="text" value="50"/>	to	<input type="text"/>	
Group missing parts	<input type="text" value="02"/>	to	<input type="text"/>	
Group others	<input type="text" value="01"/>	to	<input type="text"/>	
Group changed order proposal	<input type="text" value="42"/>	to	<input type="text"/>	

Details on error monitor

Program Error monitor

Analysis range MRP Errors **Column display** Demand calculation Coverage and stock Missing parts

Columns of result table

- ☒ Stock: current backlog
- ☒ Stock: future backlog
 - Basis for Stock Range of Coverage
 - ☒ Replenishment Lead Time
 - ☐ In-House Production Time



- ☒ All sales orders
- ☒ Unconfirmed sales orders
- ☒ Delayed customer orders

- ☒ Delayed purchase orders
- ☒ Reservations

- ☒ Prod. orders w. missing parts
- ☒ Backlog production orders
- ☒ Replenishment orders
- ☒ Erroneous goods movements

Details on error monitor


Program Error monitor


 

Analysis range MRP Errors Column display Demand calculation Coverage and stock Missing parts

Stock calculation parameters

Receipt elements

☒ Purchase requisitions
Supplier pur. req. to 

☒ Purchase orders
Supplier pur. orders to 

☒ Planned orders

☒ Production orders

Requirements



☒ Planned independent requirem.

☒ Sales Orders

☒ Reservations and depend. dem.

Details on error monitor

Program Error monitor

Analysis range | MRP Errors | Column display | Demand calculation | Coverage and stock | Missing parts

Coverage and inventory paramters

Coverage to

Color settings of MRP planner view






Coverage = 0	<input type="checkbox"/>	Color code
Coverage infinite	<input type="checkbox"/>	Color code
Projected inventory = 0	<input type="checkbox"/>	Color code
Projected inventory < 0	<input type="checkbox"/>	Color code
Receipt elements	<input type="checkbox"/>	Color code
Requirement elements	<input type="checkbox"/>	Color code
Entires of error sums	<input type="checkbox"/>	Color code

Determine intervals for coverage/replenishment time

Number of intervals	<input type="text" value="4"/>
Interval 1 to...	<input type="text" value="5"/>
Interval 2 to...	<input type="text" value="10"/>
Interval 3 to...	<input type="text" value="20"/>
Interval 4 to...	<input type="text" value="999"/>



Colors

1	Grey-blue
2	Light-grey
3	Yellow
4	Blue-green
5	Green
6	Red
7	Orange

Details on error monitor

Program Error monitor


 


Analysis range MRP Errors Column display Demand calculation Coverage and stock Missing parts

Shortage view parameters


Only production orders? ☐ Yes ☒ No


Date 21.11.2011

Plant 2007 

MRP controller to 

Procurement type

Material to 

Subgroup to 

☐ Select dependent requirements?

☐ With safety stock?

☒ Display first receipt element

Details on error monitor

On one screen the MRP planners can check the number of exceptions in the different categories. The colors indicate areas with high numbers of exceptions.

SAP

<div> <div>SD orders</div> <div>MM orders</div> <div>Stocks</div> <div>PP orders</div> <div>Exceptions from MRP list</div> </div>																	
M...	Rush order	TAs	Cr. o.(NB)	Cr.O.(t.I)	Replenish	Purch.t.la	Backl.Stoc	f.backl.st	Ord.mis.pa	Ord.backl.	Delays	Undercov.	Overcov.	Master data	Miss. par.	others	ch.pur.pr.
☐	259	320	148	235	2.429	3.602	1.472	2.353	0	0	0	0	0	0	0	0	0
001	2.846	4.346	1.760	2.811	3.122	4.683	1.842	3.084	165	242	3	39	12	0	3	238	1
101	511	731	301	484	1.301	1.973	784	1.298	135	206	37	66	1	1	37	178	6
000	3	4	2	1	1	0	0	1	8	13	1	1	0	1	1	3	0
004	2	3	0	3	16	33	11	26	9	11	0	33	3	0	0	82	0
010	25	41	18	30	6	6	6	1	6	7	0	16	0	0	0	25	0
AP0	1	2	1	2	0	0	0	0	1	1	0	0	0	0	0	0	0
002	203	302	128	192	124	144	65	77	5	9	4	2	0	0	4	10	0
030	0	1	1	1	1	1	1	1	5	7	2	1	0	0	2	9	0
R30	0	0	0	1	355	504	198	336	0	0	0	0	0	0	0	0	0
J00	2	3	1	2	9	9	0	9	2	2	1	0	0	0	1	0	0
C...	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0
D...	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
B01	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
EH	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0
LSS	0	0	0	0	2	4	0	3	0	0	0	0	0	0	0	0	0
R10	0	0	0	0	217	360	126	249	0	0	0	0	0	0	0	0	0
003	0	0	0	0	3	4	1	3	6	8	0	1	0	0	0	4	0
005	0	0	0	0	1	1	1	0	1	7	0	1	0	0	0	4	0

Details on error monitor

Error Monitor - Coverage View

Overview

MRP Controller

Coverage

Shortage

Coverage

Coverage-replenishment time-matrix

TRLT \ Covera	0-5	5-10	10-20	20-999
0-5	8	0	1	49
5-10	0	0	0	0
10-20	0	0	0	0
20-999	1	0	0	3

</

Details on error monitor

Error Monitor - MRP Controller View

Overview MRP Controller Coverage Shortage

Materials MRP Planner 001

Material	Plant	Material Description	P	T	LS	A	MT...	Matl Group	Resub.Dat.	Resub.Flg.	Open.Meas.	Value of valuated stock	Crcy	Valuated stock	Safety Stock	f
1907	2007		E	PD	EX	EX	FERT	001		<input type="checkbox"/>	<input type="checkbox"/>	140,00		7,000	0,000	
1908	2007		E	PD	SP	SP	FERT	001		<input type="checkbox"/>	<input type="checkbox"/>	140,00		7,000	0,000	
1909	2007		E	PD	SP	SP	FERT	001		<input type="checkbox"/>	<input type="checkbox"/>	0,00		0,000	0,000	
1910	2007															
1911	2007															
1913	2007															
1915	2007															
1916	2007															
1917	2007															
1918	2007															
1919	2007															
1920	2007															
1923	2007															
1926	2007															
CPU 6400	2007	CPU 6400	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>	0,00		0,000	0,000	
CPU 6600	2007	CPU 6600	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>	0,00		0,000	0,000	
CX 6400F+	2007		E	88	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
CX 6600F+	2007	PC 6600	E	88	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
DVD2000R+	2007	DVD 2000R+	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
FP 4 TB	2007	Hard Disk 4 TB	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
GF1	2007		F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
GF2	2007	GB	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
GK 2GLS	2007	GK 2GLS	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
GR1	2007		F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
GR2	2007	GR2	F	Z9	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
H21	2007		X	PD	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
H22	2007		X	PD	EX	EX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>					
H23	2007		X	PD	FX	FX	FERT	0001		<input type="checkbox"/>	<input type="checkbox"/>	0,00		0,000	0,000	

Measures for Material

This Month History

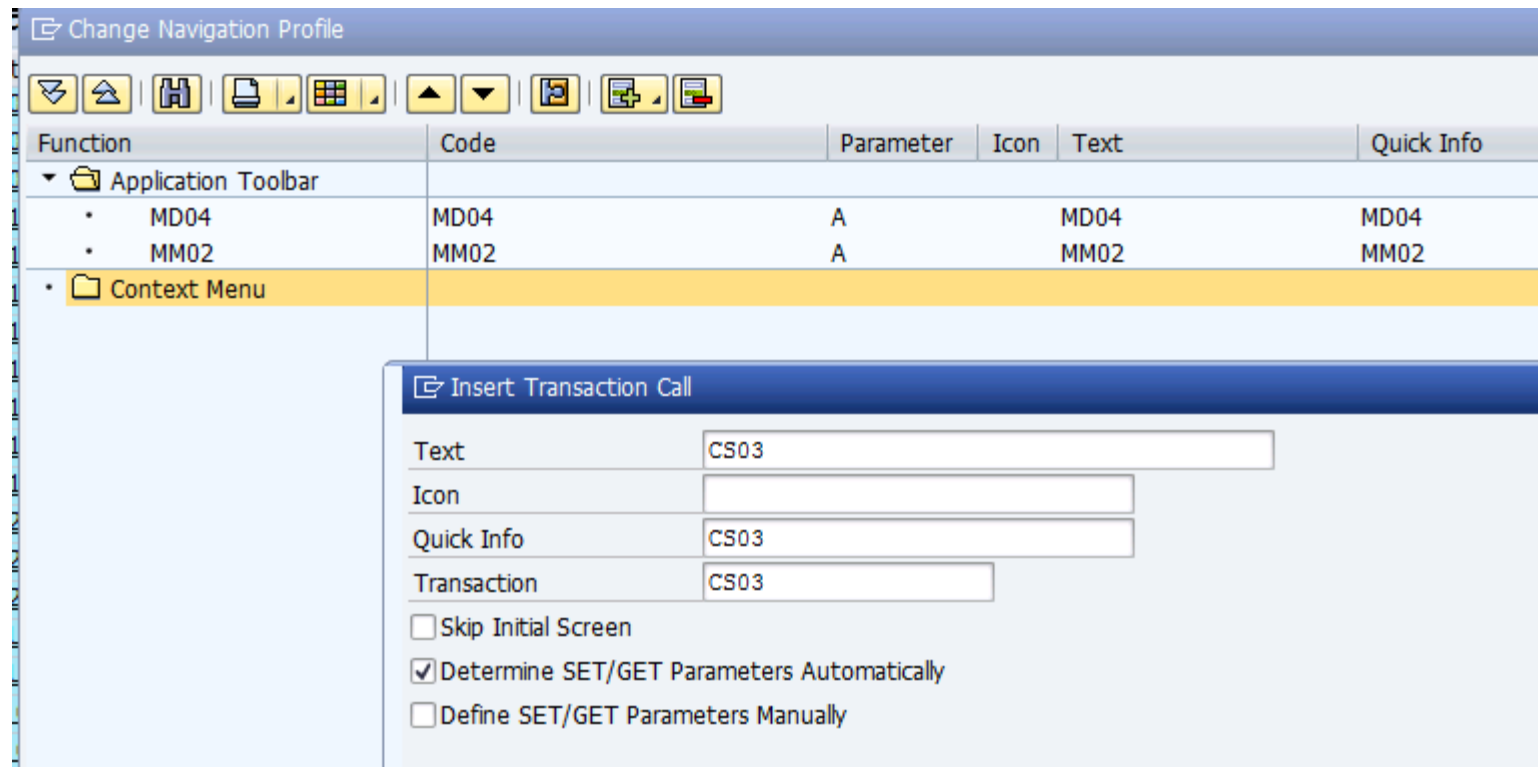
Save MRP Controller View Filters Menu

Meas.	Material	Plant	Created on	Created at	Curr.DISPO	Descr.	M	Resub.Flg.	Fin.Date	Finished	Planned Stock Reduction	Created by	Last DISPO	BU
255	1842	2007	13.12.2011	09:55:19	001	TEST I MI		<input type="checkbox"/>	29.12.2011	<input checked="" type="checkbox"/>	25.000	D048563		001

Please populate a resubmission date

Date 24.01.2012

Details on error monitor



Where can I get more information on SCM CS?

Go to SAP service marketplace and search for note 1493943!

Or ask for more information:

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