



PP 1: Display Stock/Requirements List

Exercise Use the SAP Fiori Launchpad to display the Stock/Requirements List.

Time 5 min

Task Review the material status of your Deluxe Touring bike (finished good) in the Dallas plant using the Stock/Requirements list.

Name (Position) Lars Iseler (Production Order Worker)

The Stock/Requirements list contains up-to-date information on the current status of inventory on hand, requirements, and receipts. It is a dynamic list that allows you to view changes made to material status.

Stock/Requirements List

To review the material status, use the app *Monitor Stock / Requirements List*.

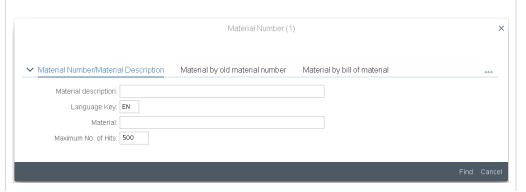
Fiori App



First of all, you need to find the material number(s) for your Deluxe Touring bikes. In order to do so, click in the Material field and press **F4** (or click on

the search icon next to the field). This will produce the Material Number search screen.

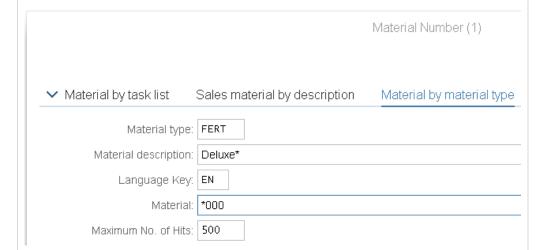
F4



Go to the Material by Material Type tab. Use the corner) to display a list of all search tabs available.

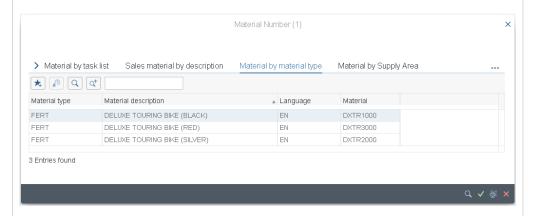
In the Material Type field, select **Finished Product** (**FERT**). In order to display your Deluxe Touring bikes only, you need to define two more search criteria. First, in the Material Description field type **Deluxe***. Second, in the Material field (which is the field for the unique material number) type *###. Remember to replace ### with your three-digit number, e.g. *014 if your number is 014.

Compare your entries with the screen below before pressing Enter or clicking on to start the search.



The result of this search should give you a list of:

- a) all finished goods,
- b) which name (short description) starts with Deluxe,
- c) which material numbers end with your number (###).



You should get a list of three different Deluxe Touring bikes – black, red and silver (please note that the material numbers in your screen will be different).

Finished Product

Deluxe*

DXTR1###

DL00

Double-click on your black Touring bike which will copy its unique material number (**DXTR1**###) into the Material field.

In addition to the material number, in the Plant field select GBI's manufacturing facility in Dallas (**DL00**). Then, press Enter. You should be displayed a screen similar to the one shown below.

8 < SAP	Stock/Requirements List				
Show Overview Tree	Refresh More ∨	Q	< ⁺ = =	<u>a</u>	Exit
Material:	DXTR1000				
Description:	Deluxe Touring Bike (black)				
MRP Area:	DL 00 DC Dallas			Е	x. manuf
Plant:	DL00 MRP type: M1 Material type:	FERT	L	Jnit: EA	
[68] [8] [8] [8]	Na Date GR ST On CON Vei	endor	Cust		
Date MRF	MRP element data Rescheduli Receipt/Reqm	mt	Availab	ole Qty	
② 29.05.2018 Stoo	k				240
Repeat the same	GBI has currently 240 black Deluxe To procedure for the other two deluxe bike Deluxe Touring Bikes are available in D	es (r	ed and		
p	ieces				
How many silve	Deluxe Touring Bikes are stored in th	ie DI	L00 pla	ınt?	
p	ieces				
Click to re	eturn to the SAP Fiori Launchpad.				



PP 2: Display Bill of Material

Exercise Use the SAP Fiori Launchpad to display a bill of material.

Time 10 min

Task Review the components of your black Deluxe Touring bike and the components of the Touring Aluminum Wheel Assembly within the finished bike bill of material.

Name (Position) Jun Lee (Production Supervisor)

A bill of material (BOM) is a list of the components that are needed to create a given product. The list contains the description, the quantity, and unit of measure. The BOM can contain items of different item categories such as stock items, non-stock items, document items, and text items.

Bill of Material (BOM)

To review a bill of material, use the app *Maintain Bill Of Material – Create, change & display*.

Fiori App



lant

Enter for material number **DXTR1**### and use the **F4** help to find your plant in **Dallas**.

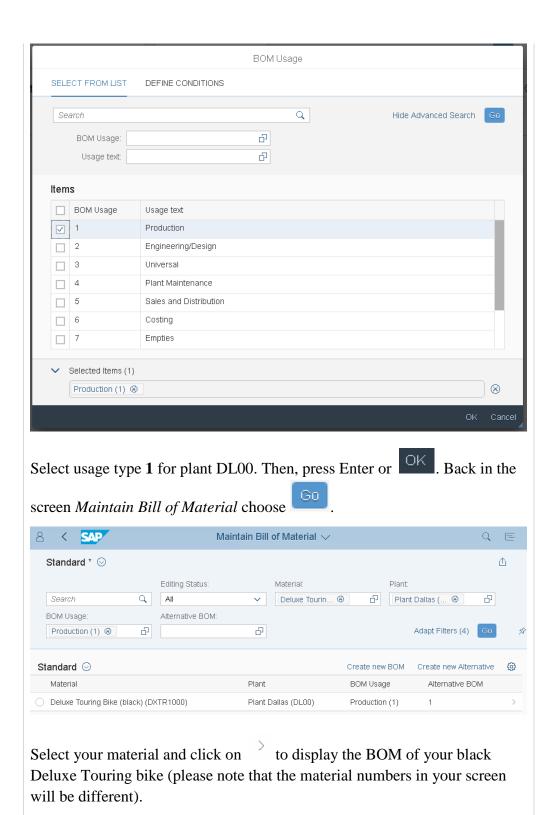
F4

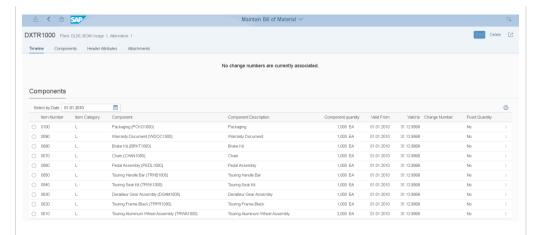
DL00

DXTR1###

Click in the BOM Usage field and use **F4** to display possible usage types. In the pop up *BOM Usage* enter nothing and press just

1

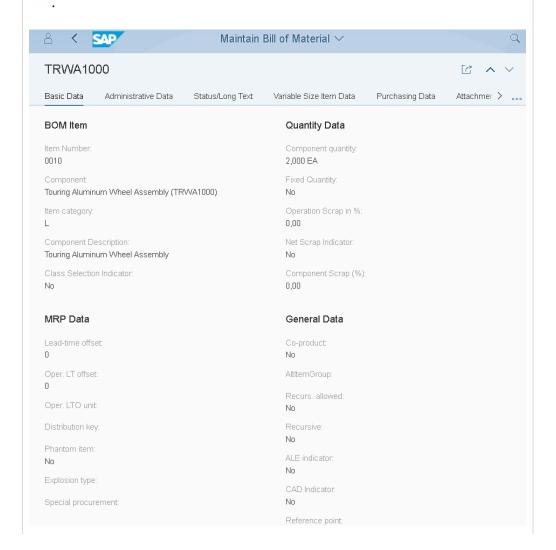




Scroll down to display information about the Base unit of measure or the Bill of Material number.

Select the Touring Aluminum Wheel Assembly (TRWA1###) and click on

TRWA1###



Choose once to go back to the Bill of Material of your material DXTR1###.	
What is the Base unit of measure of the material?	
Repeat the procedure for your red and the silver Deluxe Touring bike to identify the differences in their bills of materials.	
Click to return to the SAP Fiori Launchpad.	
	П



PP 3: Display Multi-Level Bill of Materials

Exercise Use the SAP Fiori Launchpad to display a multi-level BOM.

Time 5 min

Task Review the BOM for your black Deluxe Touring bike from a multi-level hierarchy level.

Name (Position) Jun Lee (Production Supervisor)

To display a multi-level BOM, use the app Multilevel BOM.

Fiori App



In the following screen, enter (or find) Material **DXTR1**### (replace ### with your number), Plant **DL00**, and BOM Application **PP01** (Production-General). Under *Selection* enter **1** for quantity.

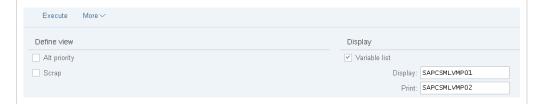
DXTR1### DL00 PP01

Then, click on to display the BOM structure for your bike valid today. If a pop-up occurs click Continue.

Material Plant/Usag Description Base Qty (E Reqd Qty (E	e/Alt. DL00 Delu (A) 1,000		ng Bike (black)					
Level no.	Item	Ob	Component number	Object description	Ovfl	Comp. Qty (CUn)	Un	lct
.1	0010	0	TRWA1000	Touring Aluminum Wheel As		2	EΑ	L
2	0010	0	TRTR1000	Touring Tire		2	EΑ	L
2	0020	-0-	TRTB1000	Touring Tube		2	EΑ	L
.2	0030	- 😂	TRWH1000	Touring Aluminum Wheel		2	EΑ	L
.2	0040	-	HXNT1000	Hex Nut 5 mm		2	EΑ	L
2	0050	-0-	LWSH1000	Lock Washer 5 mm		4	EΑ	L
2	0060	-0-	BOLT1000	Socket Head Bolt 5x20mm		2	EΑ	L
.1	0020		TRFR1000	Touring Frame-Black		1	EΑ	L
1	0030	-	DGAM1000	Derailleur Gear Assembly		1	EΑ	L
1	0040	-0-	TRSK1000	Touring Seat Kit		1	EΑ	L
1	0050	-	TRHB1000	Touring Handle Bar		1	EΑ	L
1	0060	0	PEDL1000	Pedal Assembly		1	EΑ	L
1	0070	0	CHAN1000	Chain		1	EΑ	L
1	0080	-	BRKT1000	Brake Kit		1	EΑ	L
1	0090	0	WDOC1000	Warranty Document		1	EΑ	L
1	0100	0	PCKG1000	Packaging		1	EΑ	L

Click on to go back to the initial screen. There, you click on the following screen, in the Display field group select **Variable list** and click on Execute.

Variable list



You will get an overview of all used items.

Material		Alt. 1 Usage 1
	Deluxe Touring Bike (black)	Valid 01.01.2010
Reqd qty	1,000 EA Base quar	nt 1,000 EA
Level no.	Item Component no.	Quant Un Ict
	Description	Ex.
.1	0010 TRWA1000	2,000 EA L
	Touring Aluminum Wheel Assembly	
2	0010 TRTR1000	2,000 EA L
	Touring Tire	
2	0020 TRTB1000	2,000 EA L
	Touring Tube	
2	0030 TRWH1000	2,000 EA L
	Touring Aluminum Wheel	
2	0040 HXNT1000	2,000 EA L
	Hex Nut 5 mm	4 000
2	0050 LWSH1000 Lock Washer 5 mm	4,000 EA L
2	0060 BOLT1000	2,000 EA L
	Socket Head Bolt 5x20mm	2,000 EA L
.1	0020 TRFR1000	1,000 EA L
	Touring Frame-Black	1,000 EA E
.1	0030 DGAM1000	1,000 EA L
	Derailleur Gear Assembly	,

Select the line of the component TRWA1000 (Touring Aluminum Wheel Assembly) and choose $\frac{\text{Where-used list}}{\text{Where-used list}}$.

Which materials are using the Touring Aluminum Wheel Assembly and how much are needed?

Click	命	to return to the SAP Fiori Launchpad.	



PP 4: Display Routing

Exercise Use SAP Fiori Launchpad to display a routing.

Time 10 min

Task Review the routing for your black Deluxe Touring bike.

Name (Position) Jun Lee (Production Supervisor)

A routing is a series of sequential operations carried out to produce an end product. Routings contain information on where work is to be performed, steps that need to be completed, and time lines assigned for each operation.

Routing

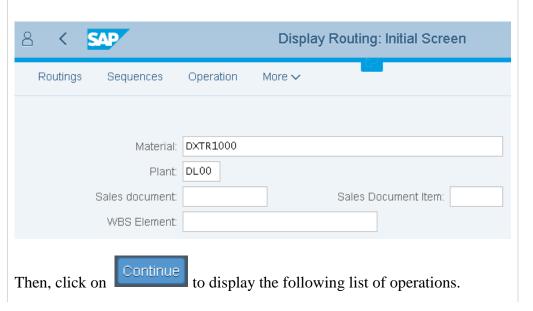
To review a routing, use the app *Display Routing*.

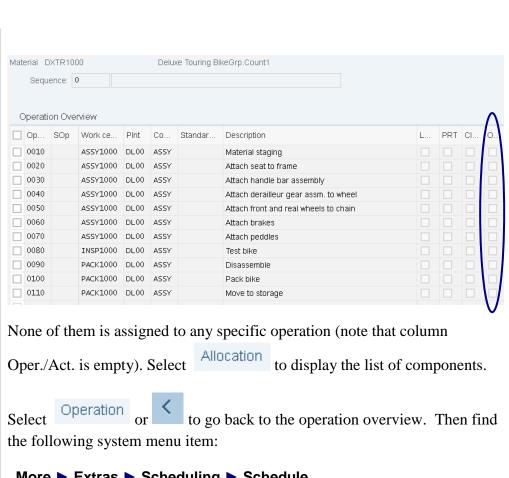
Fiori App



Enter Material **DXTR1**### and Plant **DL00**.

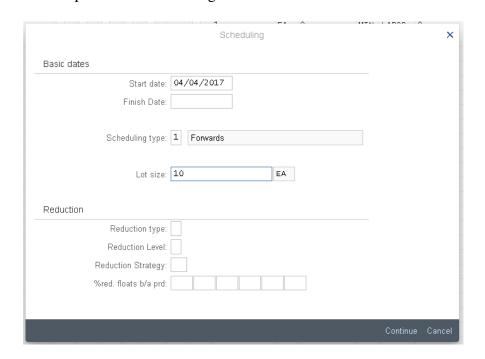
DXTR1### DL00





More ▶ Extras ▶ Scheduling ▶ Schedule

This should produce the following screen.



Enter Scheduling type 1 and Lot size 10. Click on Continue. In the following screen, find or enter overview variant 0000000001 (Operation segments). Confirm your entry with Continue

10 00000000001

How long does sequence 0090 take?	
Choose Header. What is the Usage?	
Click to return to the SAP Fiori Launchpad.	



PP 5: Display Work Center

Exercise Use the SAP Fiori Launchpad to display a work center.

Time 15 min

Task Review a work center in GBI's plant in Dallas.

Name (Position) Jun Lee (Production Supervisor)

A work center is a location where operations are carried out for a production order. Capacities (setup, machine, and labor) are assigned to work centers so that they can be allocated and consumed within an order in a controlled and predictable manner. The work center capacity is created in and assigned to a single work center.

Work center

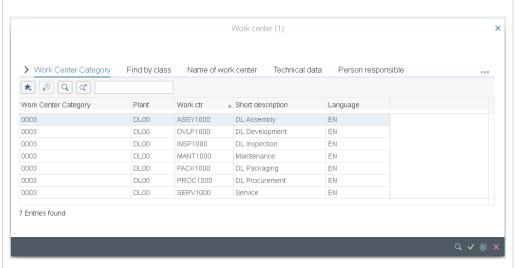
To review a work center and the capacity assigned to it, use the app *Display Work Center*.

Fiori App



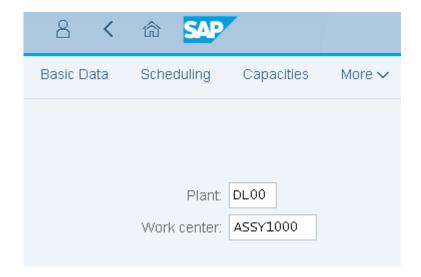
Enter Plant **DL00**. In the Work center field, use the **F4** help and choose Enter to display all work centers in Dallas.

DL00 F4



ASSY1000

In the search results, double-click on the DL Assembly work center to select it which should copy its number (ASSY1000).



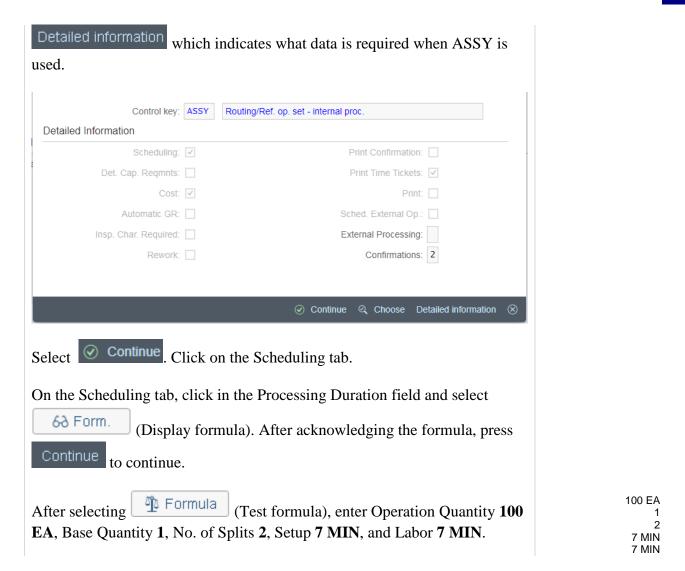
Back in the Display Work Center: Initial Screen choose Enter.

On the Basic Data tab, find out who is the person responsible.

HR assignment Hierarch	ıy S	Gervices for Obj	ect 🗸	More 🗸	
Plant:	DL00	_G		Plant Dallas	
Work center:	ASSY1	000		DL Assemb	ly
Basic Data Default Val	ues	Capacities	Sc	cheduling	Costing
General Data					
Work Center Category:	0003			Labor	
Person Responsible:	000			Steven Bart	on
Location:					
QDR System:					
Supply Area:					
Usage:	009			All task list t	ypes
Backflush:					
Advanced Planning:					

On the Default Values tab, click in the Control key field (**ASSY**) and select **F4**. On the following screen, single-click on the ASSY. Then, select

ASSY F4



General values				
*Operation Quantity:	100	EA		
*Base Quantity:	1			
*No. of splits:	2			
itandard values		,	√alues for internal processin	g
Setup:	7 M3	I N	Normal duration:	
Machine:	M	[N	Work:	
Labor:	7 M3	[N	Number of employees:	1,00
			Number	1
ser fields				
Field key:				
			= .= .	la Test - Calculate
n, select Calculate			creen will appear	
		lowing s	creen will appear	
n, select Calculate	Segments	Test Formu	creen will appear	
	n Segments Setup Dura	Test Formu	creen will appear.	
	Segments	Test Formu	creen will appear.	
	n Segments Setup Dura	Test Formulat.: 7,000	creen will appear.	MIN
n, select Calculate Duration with Operation	Segments Setup Dura Process. Dura Teardown Du	Test Formulat.: 7,000	creen will appear.	MIN MIN
	Segments Setup Dura Process. Dura Teardown Du	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000	creen will appear.	MIN MIN MIN
	Segments Setup Dura Process. Dura Teardown Du	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000	creen will appear.	MIN MIN MIN
Duration with Operation	Segments Setup Dura Process. Dura Teardown Du	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000 thr: 357,000	creen will appear.	MIN MIN MIN
Duration with Operation	Segments Setup Dura Process. Dura Teardown Du Tot. Dura	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000 thr: 357,000	creen will appear.	MIN MIN MIN
Duration with Operation	Segments Setup Dura Process. Dura Teardown Du Tot. Dura	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000 thr: 357,000	creen will appear.	MIN MIN MIN
Duration with Operation	Segments Setup Dura Process. Dura Teardown Du Tot. Dura	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000 thr: 357,000	creen will appear.	MIN MIN MIN
Duration with Operation	Segments Setup Dura Process. Dura Teardown Du Tot. Dura	Test Formulat.: 7,000 at.: 350,000 ur.: 0,000 thr: 357,000	creen will appear.	MIN MIN MIN MIN
Duration with Operation Duration of Internal Proc	Segments Setup Dura Process, Dura Teardown Du Tot, Dura Cessing Duration Int, Proces	Test Formulat.: 7,000 at.: 350,000 tn: 357,000 ss.: 0,000	creen will appear.	MIN MIN MIN MIN
Duration with Operation Duration of Internal Proc	Segments Setup Dura Process, Dura Teardown Du Tot, Dura Cessing Duration Int, Proces	Test Formulat.: 7,000 at.: 350,000 tn: 357,000 ss.: 0,000	creen will appear.	MIN MIN MIN MIN
Duration with Operation Duration of Internal Process to Continue	Segments Setup Dura Process. Dura Teardown Du Tot. Dura cessing Duration Int. Proces	Test Formulat.: 7,000 at.: 350,000 at.: 0,000 th: 357,000	mula for process	MIN MIN MIN MIN MIN MIN
Duration with Operation Duration of Internal Process to Continue	Segments Setup Dura Process. Dura Teardown Du Tot. Dura cessing Duration Int. Proces	Test Formulat.: 7,000 at.: 350,000 at.: 0,000 th: 357,000	creen will appear.	MIN MIN MIN MIN MIN MIN

Select End Formula Test to go back.

Click to return to the SAP Fiori Launchpad.