

S/4 HANA Fiori Apps
for MRP

Edition 01

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Note: This document is not intended to cover the standard WebDynPros used in S/4 HANA Fiori Launchpad

Technical Set-up of Fiori in S/4 HANA

This document's purpose is to explain the features and use of the MRP Fiori Apps associated with S/4 HANA Cloud and On-Premise products.

See appendix for further details on technical Fiori set-up.

Use of Fiori for MRP

The apps that begin with **Monitor** support you in monitoring your materials, both with and without shortages, and detecting uncovered requirements as well as any issues regarding process orders or production orders, such as late orders, missing components, or process delays. If you find any issues, you can use the apps that begin with **Manage**, which can be used to quickly solve these issues to avoid delays or disruptions due to missing items. If solving the issues requires changing a purchase order or stock transport order, you can ask your vendor if it is possible to change the order. You can then manage these requests using the Manage Change Requests app.

Starting the Apps

You can start the Monitor apps from the tiles delivered by SAP on your SAP Fiori home page. Two tiles are provided for the Monitor Production Orders or Process Orders app, one for each order type.

Since the Manage apps provide detailed information and proposed solutions for specific materials or items, you first have to select which materials or items you want to manage. **Therefore, no tiles are delivered for the Manage apps.** To open a Manage app, you first have to start the related Monitor apps and make various settings to display only those items you want to monitor. After selecting one or more items in the list, you can navigate to the related Manage app where you can solve your issues. If you save your personalized settings as a variant tile, you can access the Manage apps directly from your SAP Fiori home page.

If you want to view the planning situation for one material only, you can start the Manage Material Coverage app directly from the Check Material Coverage tile, which is also delivered by SAP.

Working with the Apps

MRP Settings

Area of Responsibility

When starting the application for the first time, you have to specify your area of responsibility by selecting your MRP controller name and the plant for which you are responsible. Based on these

settings, only the items for which you are responsible are displayed in the apps. You can change the area of responsibility at any time in the app settings for your user.



Figure 1 – Area of Responsibility in the user preferences for MRP apps

Note: When you select your area of responsibility, you can only choose the combinations of plant and MRP controller that you specified in Customizing under Production > Material Requirements Planning > Master Data > Define MRP Controllers

Due to performance and usability reasons, a maximum of 20,000 entries are processed in the Monitor apps. To ensure that this number is not exceeded, do not choose too many areas and make sure that your area of responsibility has not been assigned more than 20,000 materials or customers, for example.

Change Requests

You can switch the change request function on and off for your user. If it is switched on, you have options in the Managing apps for requesting order changes. You can then use the four delivered tiles for managing your change requests.

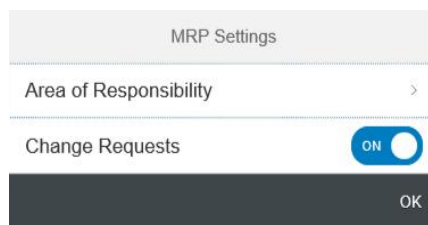


Figure 2 – Activate Change Requests in User Settings for MRP apps

Settings in the Monitor Apps

In the Monitor apps, you see a list of materials, both with and without shortages, or requirements that are uncovered. In these apps, you can choose a shortage definition to influence the items displayed in the list. In the Monitor Material Coverage app, the shortage definition also influences the colors that are displayed in the stock availability chart.

Material Shortages and Uncovered Demand

In material requirements planning, one of the main tasks of an MRP controller is to monitor the material shortage situation and solve any issues on time. Another main task is to ensure that sufficient supplies have been planned to cover your requirements – whether from sales orders, stock transfer orders, or from your own production, for example.

To enable the MRP controller to fulfill these goals, you can define a material shortage profile and material shortage definitions in Customizing.



Figure 3 – Material Shortage Customizations

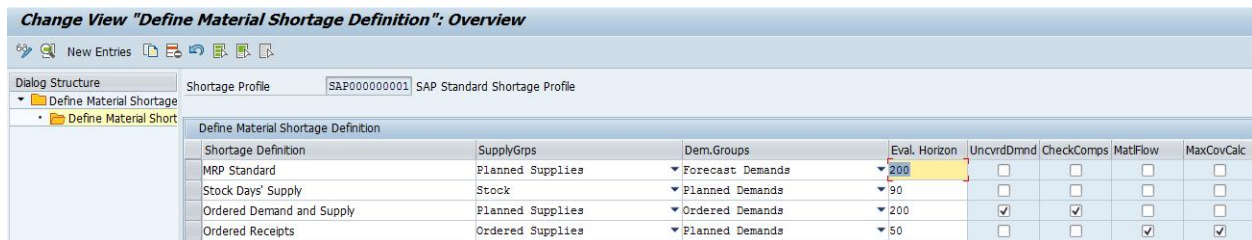


Figure 4 – Configuring Material Shortage Definitions

For more information about shortage definitions, see [Calculation of Material Shortages and Uncovered Demand](#) and [Definition of the Material Shortage Threshold Type](#).

The selected material shortage definition also influences the ability to solve material shortages or to cover external or internal requirements in the respective managing apps: If you select a shortage definition that does not include all receipts that are relevant for solving an issue, the system does not propose any solutions in the Manage apps.

In the apps for monitoring internal requirements and external requirements, you can further restrict the list of items by specifying a time horizon.

In all the Monitor apps, you can set various filters to further narrow down the list of displayed items. You can save your personalized settings as a variant.

Variants

In the Apps *Monitor Material Coverage*, *Monitor External Requirements*, *Monitor Internal Requirements*, and *Monitor Production Orders and Process*, you have the option of restricting the selection of the displayed materials and documents according to specific criteria.

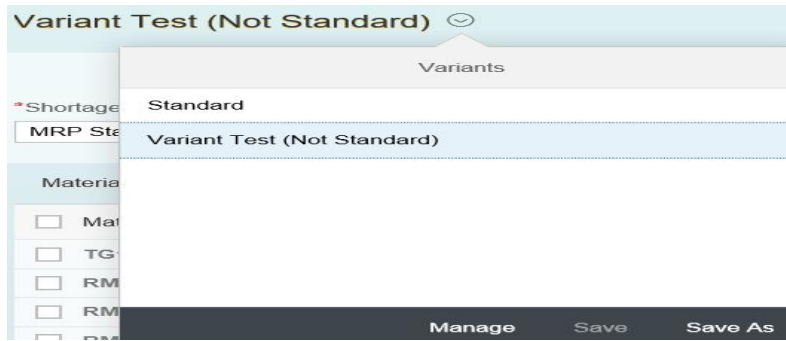


Figure 5 – Setting up MRP app screen variants

For more information, see [Working with Variants](#).

Features of the Manage Apps

The Manage apps consist of a list of the selected items with essential information, a detailed view for each item with additional important information, and an overview of the stock/requirements situation. You can change the shortage definition that you chose in the Monitor apps. You can switch between a table view, an aggregated table view, and a chart view to get a clear overview of the situation.

Based on the selected shortage definition, shortages are also indicated by specific colors: Red indicates a shortage as defined in the shortage definition and orange indicates available quantities above the shortage threshold but below the safety stock.

If the system can propose a solution for a shortage, you can navigate to the solution view by choosing the row with an arrow in the stock/requirements list.

Solution Card Proposal

In the Manage apps, ***the system proposes solution options for materials with procurement type F (external procurement)***. The solution options are displayed as cards and help you solve material shortages and process uncovered or late requirements. You can click or tap somewhere on a solution card to simulate the effects of the solution or you can choose a solution card to apply the changes.

Although the system might find more than one solution (increase, reschedule/change, procure, and transfer), ***it does not propose the same type of solution more than once for each source of supply***. If multiple supplies are available on the date closest to the start of the shortage, the system displays all of them, independent of the source.

Trading Good 0011,PD,Regular Proc.							
TG0011 (Plant 1710)							
Shortage							Accept Shortage
Date	MRP Element	Additional Information	Quantity (PC)	Available (PC)	Proposed Changes	Rating	Actions
01.08.2016	IndReq VSF	Planning with Final Assembly	50 ▾	-50			
01.08.2016	[New Purchase Order]	Domestic US Supplier 1			50	★★	Simulate Apply
	[New Purchase Order]	Domestic US Supplier 2			50	★★	Simulate Apply
	[New Purchase Order]	Domestic US Supplier 60 (Ariba Netw)			50	★★	Simulate Apply

Figure 6 – Solution Card Proposals

A solution card with **2 stars** solves the shortage completely and the required quantity can be procured on the first shortage date. A solution card with **1 star** only partially solves your issue because only part of the required quantity can be provided on the first shortage date, or because although the entire quantity can be provided earlier than currently planned, it cannot be provided as early as the first shortage date.

For more information about solution cards, see [Solution Card Proposal](#).

If there are scheduling agreements for certain materials, you can solve the issues by opening the delivery schedule and creating or changing schedule lines, as well as creating releases. **Please note that only scheduling agreements with Agreement Type LPA are supported.**

In the solution view, the shortage lines are marked with red or orange. By clicking or tapping somewhere on a proposed solution card, the system simulates the effects of the solution. The data record that corresponds to the simulated solution is marked with blue. Some or all of the shortage lines marked red or orange change to green. This indicates that the selected solution will solve your shortages. After simulating the possible solutions, you can choose the solution card that best solves your issue to apply the changes. If you are not able to apply the changes to a purchase order or stock transport order immediately, you can contact the vendor to request the changes. You can then find all the change requests you have either already placed or have collected for your vendors in the Manage Change Requests app.

In the solution view, you always have the option of accepting the shortages, especially if no other solution is possible. When you accept a shortage, any other solution cards are disabled and the system sets the status of the item to `processed`. A new card is displayed with which you can revoke your acceptance. Shortages that have been accepted are marked with gray.

When you refresh your list or start the app again, the processed items whose shortages have been completely solved or accepted are no longer displayed in your list. If the shortage of an item is solved only partially or it has another shortage, this item is still displayed in the list.

You can find the materials for which you accepted one or more shortages in the Monitor Material Coverage app. There you also have the option of revoking your acceptance so you can process the materials again.

MRP Fiori Apps

Role: Material Planner

Role Name	Fiori App Name	App Type	UI Technology
Material Planner	<i>Monitor External Requirements</i>	Transactional	Fiori UI5
Material Planner	<i>Monitor Material Coverage</i>	Transactional	Fiori UI5
Material Planner	<i>Manage External Requirements</i>	Transactional	Fiori UI5
Material Planner	<i>Manage Material Coverage</i>	Transactional	Fiori UI5
Material Planner	<i>Monitor Internal Requirements</i>	Transactional	Fiori UI5
Material Planner	Monitor Production Orders or Process Orders	Transactional	Fiori UI5
Material Planner	<i>Manage Internal Requirements</i>	Transactional	Fiori UI5
Material Planner	Manage Production Orders or Process Orders	Transactional	Fiori UI5
Material Planner	Manage Change Requests	Transactional	Fiori UI5
Material Planner	MRP Cockpit Reuse Component	Reuse Component	Fiori UI5
Material Planner	Manage PIRs	Transactional	Fiori UI5
Material Planner	Schedule MRP Runs	Transactional	Generic UI5 Job Scheduling Framework
Material Planner	Maintain MRP Controllers	Transactional	Generic UI5 Config. Framework

Material Planner	Display MRP Material Issues	Transactional	Generic UI5 Config. Framework
Material Planner	Display MRP Key Figures	Transactional	Generic UI5 Config. Framework
Material Planner	Analyze PIR Quality	Analytical	Web Dynpro

Figure 6

Monitor Material Coverage

With the transactional app Monitor Material Coverage, you can monitor all the materials in a selected area of responsibility. You can specify a shortage definition to determine which of the materials have shortages. You can use the default filter Time Till Shortage to check the coverage of materials within a specific time frame.

Key Features

- Select an area of responsibility
- Select a shortage definition and specify a time horizon to determine which materials you want to monitor
- Narrow down the scope of the material list by using facet filters
- View a material list according to the selected shortage definition as well as other selection criteria
- Personalize the table by choosing which table columns are shown and how table entries are sorted
- Display a chart showing the stock availability of a selected material over the next 21 days
- Tailor the app to your needs and save the combination of shortage definition, time horizon, and filters as a variant
- Save your personalized variants as tiles on your home page from which you can access this Monitor... app or directly navigate to the respective Manage ... app. For more information about variants, see Working with Variants.
- View details of the selected materials and check different solutions in the Manage Material Shortages app

Material No.	Material Description	Vendor Name	Vendor Number	First Shortage On	Shortage Quantity	Stock Availability
TG11	Trad.Good 11,PD,Reg.Trading	2 Vendors		19.07.2016	43.715 pc	[Red bars]
RM120	RAW120,PD,QualityManaged	Domestic US Supplier 1	17300001	22.07.2016	15 pc	[Green bars]
RM122	RAW122,PD,Batch-Fifo,ProcureImport	Domestic US Supplier 1	17300001	22.07.2016	15 pc	[Green bars]
RM128	RAW128,PD,Consignment	Domestic US Supplier 1	17300001	22.07.2016	15 pc	[Green bars]
RM16	RAW16,PD			22.07.2016	15 pc	[Green bars]
RM17	RAW17,PD	Domestic US Supplier 1	17300001	22.07.2016	15 pc	[Green bars]
RM18	RAW18,PD	Domestic US Supplier 1	17300001	22.07.2016	15 pc	[Green bars]
RM20	RAW20,PD	Domestic US Supplier 1	17300001	22.07.2016	15 pc	[Green bars]
RM27	RAW27,PD,PackagingBox			22.07.2016	15 pc	[Red bars]
SG124	SEMI124,PD,Subassembly			22.07.2016	15 pc	[Red bars]

Figure 7 – Opening Screen for Monitor Material Coverage

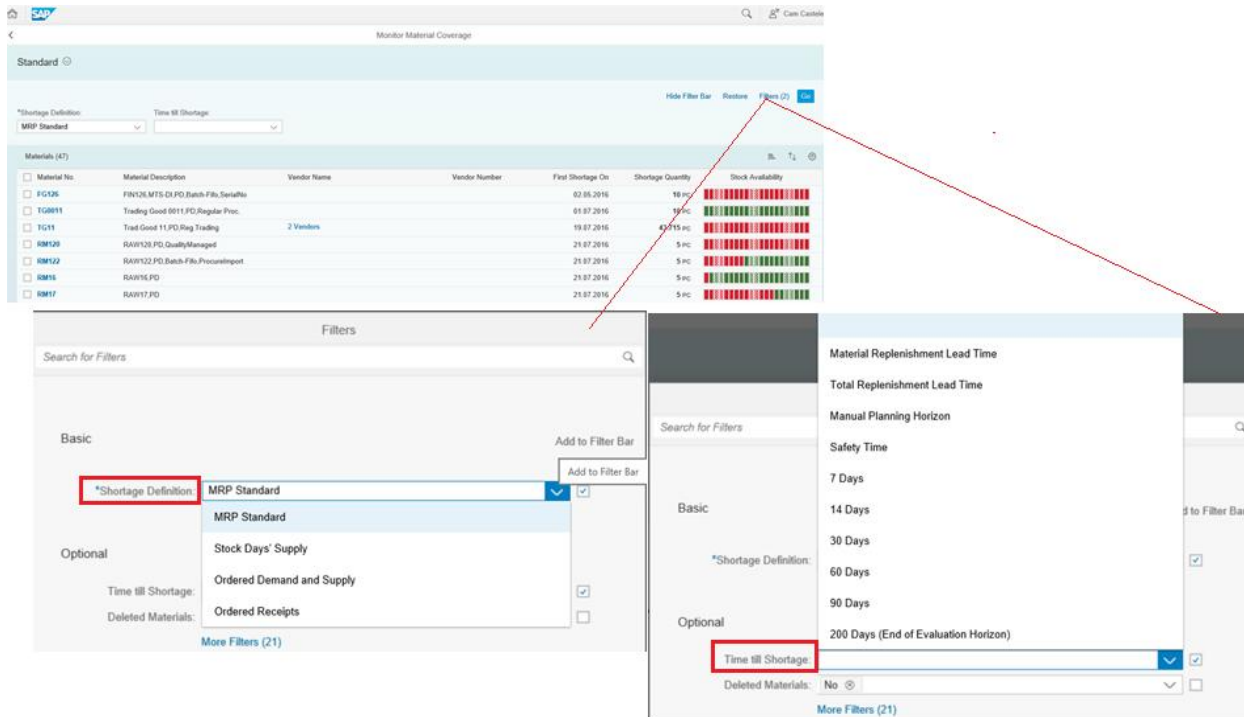


Figure 8 – Shortage Definition Options and Filters for Monitor Material Shortage

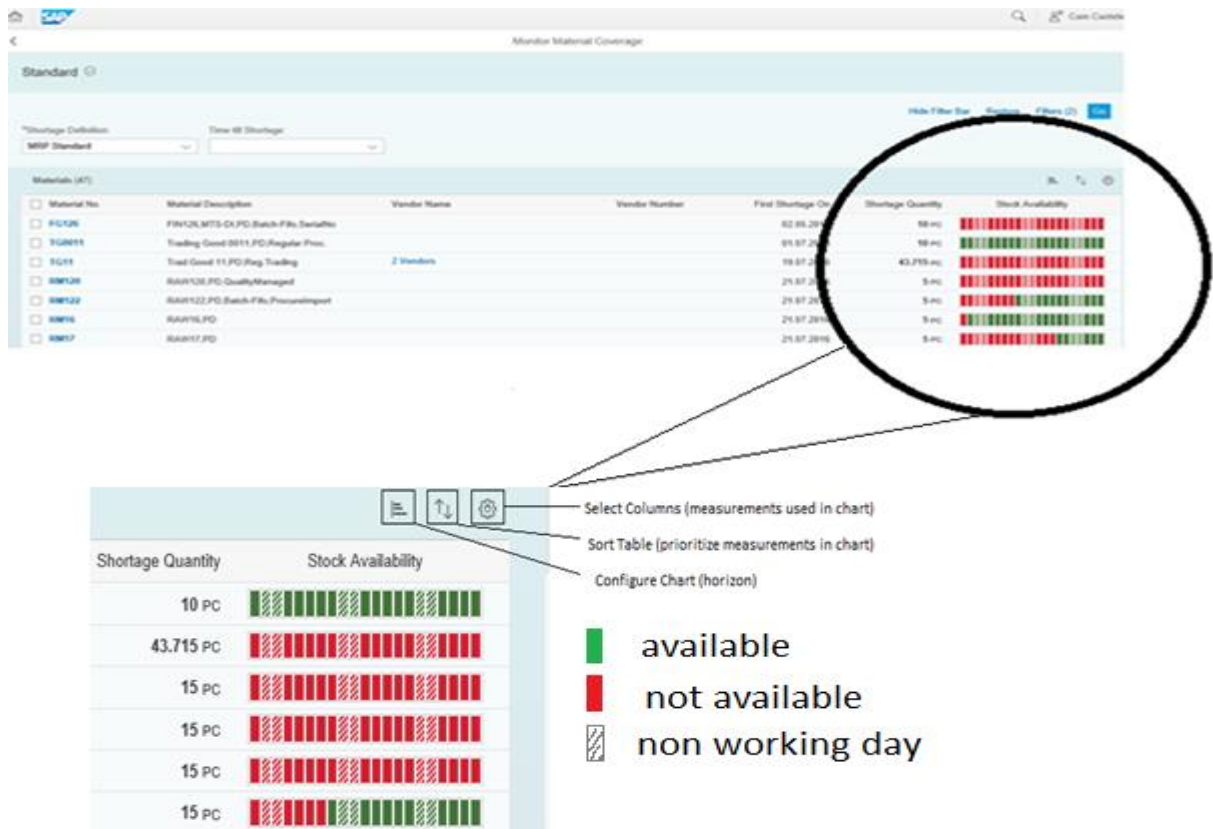


Figure 9 – Column Selection, Sorting and Color Coding for Material Coverage

Materials (47)

Material No.	Material Description	Vendor Name	Vendor Number	First Shortage On	Shortage Quantity	Stock Availability
<input type="checkbox"/> TG11	Trad Good 11,PD,Reg Trading	2 Vendors		19.07.2016	43,715 PC	
<input checked="" type="checkbox"/> TG0011	Trading Good 0011,PD,Regular Proc.			01.08.2016	50 PC	
<input type="checkbox"/> RM120	RAW120,PD,QualityManaged			22.07.2016	15 PC	
<input type="checkbox"/> RM122	RAW122,PD,Batch-Fifo,ProcureImport			22.07.2016	15 PC	
<input type="checkbox"/> RM17	RAW17,PD			22.07.2016	15 PC	
<input type="checkbox"/> RM18	RAW18,PD	Domestic US Supplier 1	17300001	22.07.2016	15 PC	
<input type="checkbox"/> RM20	RAW20,PD	Domestic US Supplier 1	17300001	22.07.2016	15 PC	
<input type="checkbox"/> FG126	FIN126,MTS-DI,PD,Batch-Fifo,SerialNo			26.07.2016	5 PC	
<input type="checkbox"/> RM27	RAW27,PD,PackagingBox			22.07.2016	5 PC	
<input type="checkbox"/> SG124	SEMI124,PD,Subassembly			22.07.2016	5 PC	
<input type="checkbox"/> SG21	SEMI21,PD,RepetitiveManuf.			22.07.2016	5 PC	
<input type="checkbox"/> SG25	SEMI25,PD,ExternalProcurement			22.07.2016	5 PC	
<input type="checkbox"/> FG226	FIN226,MTQ,PD,Batch-Fifo,SerialNo					

Revoke Acceptance of Shortages Manage Material

Figure 10 – transitioning to Manage Material Coverage

Manage Material Coverage

With the transactional app Manage Material Coverage, you can check the coverage of your materials based on the settings you made in the **Monitor Material Coverage** app. To help you solve your shortages, the system proposes different solutions. You can simulate the solution to preview its effects and you can apply the solution that best solves your issue.

Materials (1) Material Details

Search TG0011 -50 PC in 6 days

Trading Good 0011,PD,Regular Proc. (Plant 1710)

Trading Good 0011,PD,Regular Proc. (Plant 1710) -50 PC in 6 days

STOCK/REQUIREMENTS LIST MATERIAL INFORMATION NOTES

Stock/Requirements List (1 Shortage)

Shortage Definition MRP Standard

Date	MRP Element	Additional Information	Quantity (PC)	Available (PC)
	Stock	No Safety Stock	0	0
01.08.2016	IndReq VSF	Planning with Final Assembly	50	-50

Click to solve this shortage

Materials (1) Material Shortage

Search TG0011 -50 PC in 6 days




Trading Good 0011,PD,Regular Proc. (Plant 1710)

Trading Good 0011,PD,Regular Proc. (Plant 1710) -50 PC in 6 days

Shortage

Date	MRP Element	Additional Information	Quantity (PC)	Available (PC)	Proposed Changes	Rating	Actions
01.08.2016	IndReq VSF	Planning with Final Assembly	50	-50			
01.08.2016	[New Purchase Order]	Domestic US Supplier 1			50	★★	Simulate Apply
	[New Purchase Order]	Domestic US Supplier 2			50	★★	Simulate Apply
	[New Purchase Order]	Domestic US Supplier 80 (Ariba Netw			50	★★	Simulate Apply

Figure 11 – Reviewing Solution Proposals in *Manage Material Coverage* for a material shortage

Trading Good 0011,PD,Regular Proc.							
TG0011 (Plant 1710)							
Shortage Accept Shortage  							
Date	MRP Element	Additional Information	Quantity (PC)	Available (PC)	Proposed Changes	Rating	Actions
01.08.2016	IndReq VSF	Planning with Final Assembly	10 	-10			
01.08.2016	[New Purchase Order]	Domestic US Supplier 80 (Arba Netw			10	★★	Simulate Apply
08.08.2016	[New Purchase Order]	Domestic US Supplier 1			10	★	Simulate Apply
04.11.2016	[New Purchase Order]	Domestic US Supplier 2			10	★	Simulate Apply

Two stars - Vendor can meet the quantity and date

One star - Vendor can meet the quantity, late on date

Vendor who can not meet the requirement (due to requirement restrictions) or is blocked would not show up as an alternative

Figure 12 – Reviewing the Solution Card ratings for a particular solution proposal

Monitor External Requirements

With the transactional app Monitor External Requirements, you can monitor the uncovered requirements originating from sales orders and stock transport orders in a selected area of responsibility. You can specify a shortage definition and a time horizon to determine which uncovered external requirements you want to check.

Key Features

- Select an area of responsibility
- Select a shortage definition and specify a time horizon to determine the scope of the uncovered external requirements you want to check
- Narrow down the scope of the requirements list by using facet filters
- View a table of sales orders and stock transport orders according to the selected shortage definition as well as other selection criteria
- Personalize the table by choosing which table columns are shown and how table entries are sorted
- Tailor the app to your needs and save the combination of shortage definition, time horizon, and filters as a variant
- Save your personalized variants as tiles on your home page from which you can access this Monitor... app or directly navigate to the respective Manage... app. For more information about variants see Working with Variants.
- View details of selected materials and check different solutions on the Manage External Requirements app

Manage External Requirements

With the transactional app Manage External Requirements, you can check your uncovered and delayed items required for sales orders and stock transport orders based on the settings you made in the [Monitor External Requirements](#) app. To help you cover these requirements and fulfill the external orders, the system proposes different solutions. You can simulate the solution to preview its effects and you can apply the solution that best solves your issue.

Key Features

- View a list of your uncovered and late external requirements

- View details of the stock/requirements situation as a table or as a chart
- View additional material information
- Click on an MRP element link to open a quickview with further details
- Select an uncovered item to check the different solutions proposed by the system
- Preview the effects of the proposed solutions as a table or as a chart
- Choose a solution to apply the changes
- Navigate to the Monitor External Requirements app to get an overview of the missing items
- Navigate to fact sheets and back-end transactions to access further information or change material data

Monitor Internal Requirements

With the transactional app Monitor Internal Requirements, you can ensure that components are available in the right quantity and in time so that internal requirements originating from production orders, process orders, maintenance orders, and network orders can be fulfilled. You can specify a shortage definition to determine which receipts and requirements are included in the coverage calculation as well as a time horizon to limit the scope you want to check.

Key Features

- Select an area of responsibility
- Select a shortage definition and specify a time horizon to determine the scope of the uncovered internal requirements you want to check
- Narrow down the scope of the requirements list by using predefined facet filters
- View a table of the relevant orders according to the selected shortage definition as well as other selection criteria
- Personalize the table by choosing which table columns are shown and how table entries are sorted
- Tailor the app to your needs and save the combination of shortage definition, time horizon, and filters as a variant
- Save your personalized variants as tiles on your home page from which you can access this Monitor... app or directly navigate to the respective Manage... app. For more information about variants see Working with Variants.
- View details of selected materials and check different solutions on the Manage Internal Requirements app.

Component	Requirement Date	Quantity Overview	Requirement Quantity	Coverage Status (Working Days)	Affected Order
RM120 RAW120,PD,QualityManaged	22.07.2016	15 PC	15 PC	uncovered	PrdOrd-1000001 FG126
RM122 RAW122,PD,Batch-Fifo,ProcureImport	22.07.2016	15 PC	15 PC	5 days late and uncovered	PrdOrd-1000001 FG126
RM17 RAW17,PD	22.07.2016	15 PC	15 PC	9 days late and uncovered	PrdOrd-1000001 FG126
RM18 RAW18,PD	22.07.2016	15 PC	15 PC	5 days late	PrdOrd-1000001 FG126

Figure 13 – Opening Screen for **Monitor Internal Requirements**

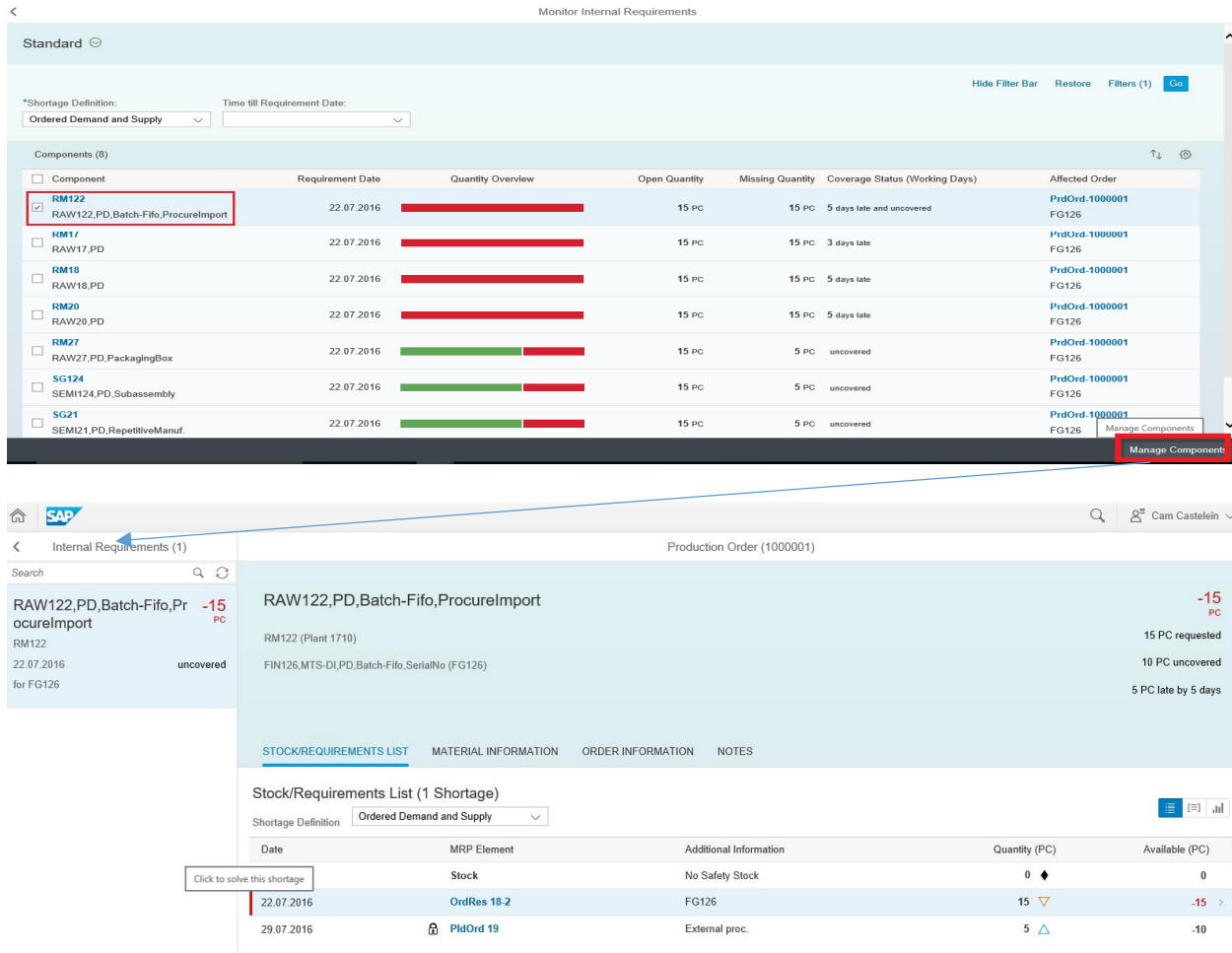


Figure 14 – reviewing an internal requirement shortage detail in the Manage Internal Requirements App

Manage Internal Requirements

With the transactional app Manage Internal Requirements, you can check the coverage of components required for in-house production orders, process orders, maintenance orders, and network orders based on the settings you made in the **Monitor Internal Requirements** app. To help you cover these requirements and fulfill the internal orders, the system proposes different solutions. You can simulate the solution to preview its effects and you can apply the solution that best solves your issue.

Key Features

- View a list of your missing components for internal requirements
- View details of the stock/requirements situation as a table or as a chart
- View additional material information
- Click on an MRP element link to open a quickview with further details
- Select an uncovered item to check the different solutions proposed by the system
- Preview the effects of the proposed solutions as a table or as a chart
- Choose a solution to apply the changes
- Navigate to the Monitor Internal Requirements app to get an overview of the missing components
- Navigate to fact sheets and back-end transactions to access further information or change material data

Monitor Production Orders or Process Orders

With the transactional app Monitor Production Orders or Process Orders, you can monitor the status of the production orders or process orders in your area of responsibility. Two tiles are provided for this app, one for each order type. In the list you can view if materials will be finished too late for the pegged requirements, if the components required for these materials will not be available in time, and if milestones and operations are delayed. The system determines if materials will be finished too late based on the shortage definition you select. You can use filters to limit the scope of your selection.

Key Features

- Select an area of responsibility
- Select a shortage definition to determine the scope of the uncovered requirements you want to check
- Narrow down the scope of the requirements list by using filters. You can use the default filters Order Status, Material Delay, Component Delay, Delay in Process or choose additional filters.
- View a table of production orders or process orders according to the selected shortage definition as well as other selection criteria
- Get a quick overview of the current status of your materials, components, and milestones represented by symbols in one table column
- Personalize the table by choosing which table columns are shown and how table entries are sorted
- Tailor the app to your needs and save the combination of shortage definition, filters, and table personalization as a variant
- Save your personalized variants as tiles on your home page from which you can access this Monitor... app or directly navigate to the respective Manage... app. For more information about variants, see Working with Variants.

Manage Production Orders or Process Orders

With the transactional app Manage Production Orders or Process Orders, you can manage your production orders or process orders that have issues based on the settings you made in the **Monitor Production Orders or Process Orders** app. You can view details regarding delayed materials, missing components, as well as the status of operations and milestones.

Key Features

- View a list of your orders with uncovered items
- View details of the stock/requirements situation as a table or as a chart
- Click on an MRP element link to open a quickview for further details about the element
- View details about the components
- View details about operations and milestones
- Navigate to the Manage Internal Requirement app to solve your shortage
- Navigate to the Monitor Production Orders or Process Orders app to view all uncovered requirements
- Navigate to fact sheets and back-end transactions to access further information or to change material data

Manage Change Requests

With the transactional app *Manage Change Requests*, you can follow up on changes you have requested from your vendor as well as place requests for changes you have collected. You create change requests when using the apps for managing material shortages or uncovered requirements. You can request that

the vendor change the quantity or delivery date in a purchase order or stock transport order so that material availability can be ensured and customer requirements can be fulfilled. At the end of the process, you either apply the changes, which automatically updates the order, or you discard the request.

Key Features

- View a list of vendors and contacts from whom you have requested or want to request changes
- View details of the change requests in a table
- View additional information about the MRP elements in a quickview
- Add notes to the change request
- Send an email to the vendor to request changes
- Enter the response from your vendor
- View additional information about the item in a stock/requirements list
- Apply the changes to the purchase order or stock transport order
- Discard the change request if it is outdated or no longer needed

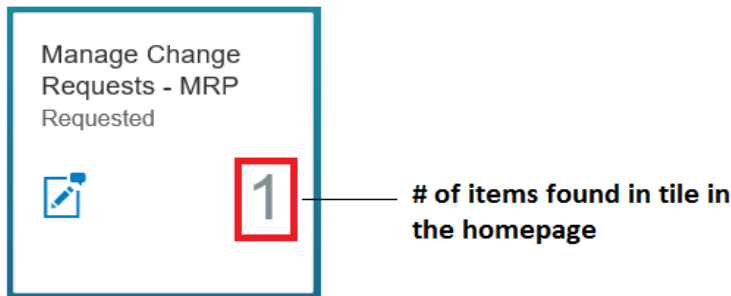


Figure 15 – Manage Change Request Tile on Fiori homepage (tile provides # of relevant items)

Material	Order Item	Ordered	Requested
TG11 Trad.Good 11,PD,Reg.Trading	4500000007-10	25.07.2016 10 PC	25.07.2016 15 PC

Figure 16 – Opening Screen of **Change Request**

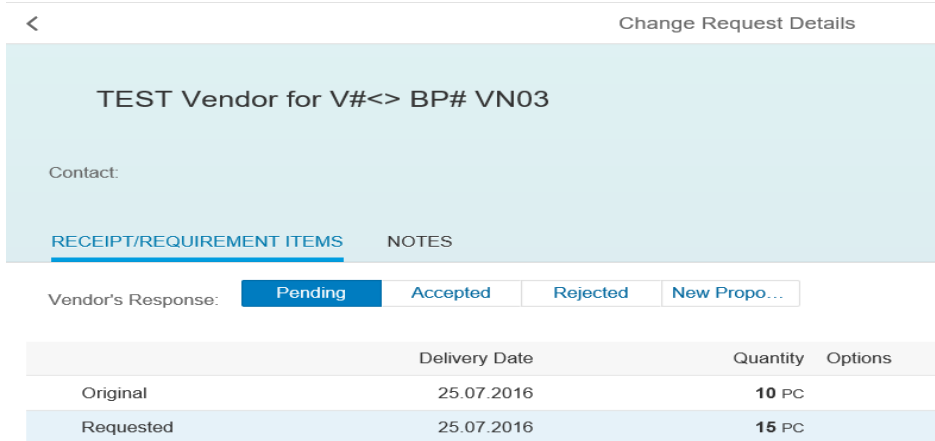


Figure 17 - Details of Change Request

Manage PIRs

With this app you can create and monitor planned independent requirements (PIRs). You use PIRs as a forecast to procure materials or components required to produce a material prior to receiving sales orders. Working with such a forecast of future demand is particularly important, for example, if the lead times demanded by your customers are shorter than those to which your suppliers can commit. This app helps you to detect forecast errors early enabling you to produce or purchase sufficient quantities of inventory to cover future sales demands on time.

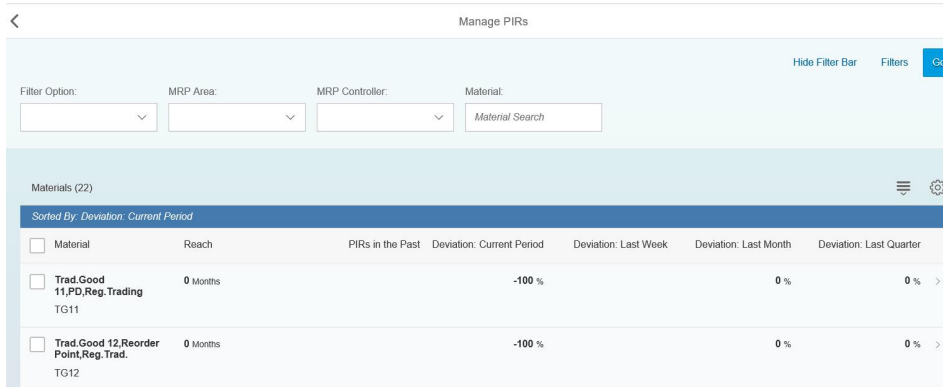


Figure 18 – Manage PIRs Opening Screen

Manage PIRs

Total PIRs in the Past 0 PC

Accepted PIRs in the Past 0 PC

Planned Independent Requirements

Period	Draft PIRs	Released PIRs	Actual Consumption
30/2016	10 PC	10 PC	0 PC
31/2016	10 PC	0 PC	0 PC

Active in ERP (for 30/2016)

Not Active in ERP (for 31/2016)

Figure 19 – Creating Active (released) and non-active (drafts) of PIRs in Fiori

Note: Forecast period dates used in the Manage PIRs app for period selection are set in the MRP 3 view of the Material Master in ERP

Schedule MRP Runs

With this app you can create and schedule a job for executing your MRP runs. To automate the planning process, the MRP run is carried out on a regular basis so you can use this app to create a job that performs this task for you; reducing your workload by running this task smoothly in the background. During the MRP run, the system checks whether current material demand can be covered by current inventory and expected material receipts. In regenerative planning, the system plans all materials irrespective of whether they have been changed since the last MRP run. In net change planning, the system only plans materials that have changed since the last planning run. If current demand is not covered, the system creates purchase requisitions.

Application Jobs

Standard ☺

Status: Date From-To: 25.07.2016 - 27.07.2016

Hide Filter Bar Filters (1) Go

Application Jobs (2) Standard ☺

Status	Log	Description	Planned Start	Start	End	Duration	Created By
Scheduled		Material Requirements Planning (MRP)	27.07.2016, 12:29	Not Started	Not ended	Not Started	I007744
Scheduled		Material Requirements Planning (MRP)	26.07.2016, 12:29	Not Started	Not ended	Not Started	I007744

Figure 20 – Opening Screen for **Schedule MRP Runs**

Maintain MRP Controllers

With this app you can create, change, and delete MRP controllers per plant. Every material that is included in material requirements planning is assigned to an MRP controller in the material master record. This determines the person or team responsible for the availability of the material.

Plant	Plant Name	MRP controller	MRP Controller Name	Assigned Materials
1710	Plant 1 US	001	MRP Controller 001	47
9710	Plant 1 US	001	MRP Controller 001	0

Figure 21 – Opening Screen for **Maintain MRP Controllers**

Display MRP Material Issues

With this app you can view the materials in a specific plant for which an issue occurred in the last MRP run. You can see the materials for which messages were created in the MRP run and that may not have been planned at all. You also have information on the responsible MRP controller and the date and time that the last planning run was carried out. You can use this information to find and analyze materials for which problems occurred in the planning run or which could not be planned at all. You have the information you need to solve these issues so that the materials can be planned correctly in future planning runs.

Display MRP Key Figures

With this app you can view detailed information on each MRP run. This information is available if the MRP run has been completed, is still running, or was terminated. For each MRP run you can check all available key figure information such as durations, the number of materials planned, the number of documents either read, created, deleted, or updated, and the parameters used to perform the planning run, for example. Using the information available in this app, you can check whether the MRP run has been carried out successfully and you can analyze the runtime information.

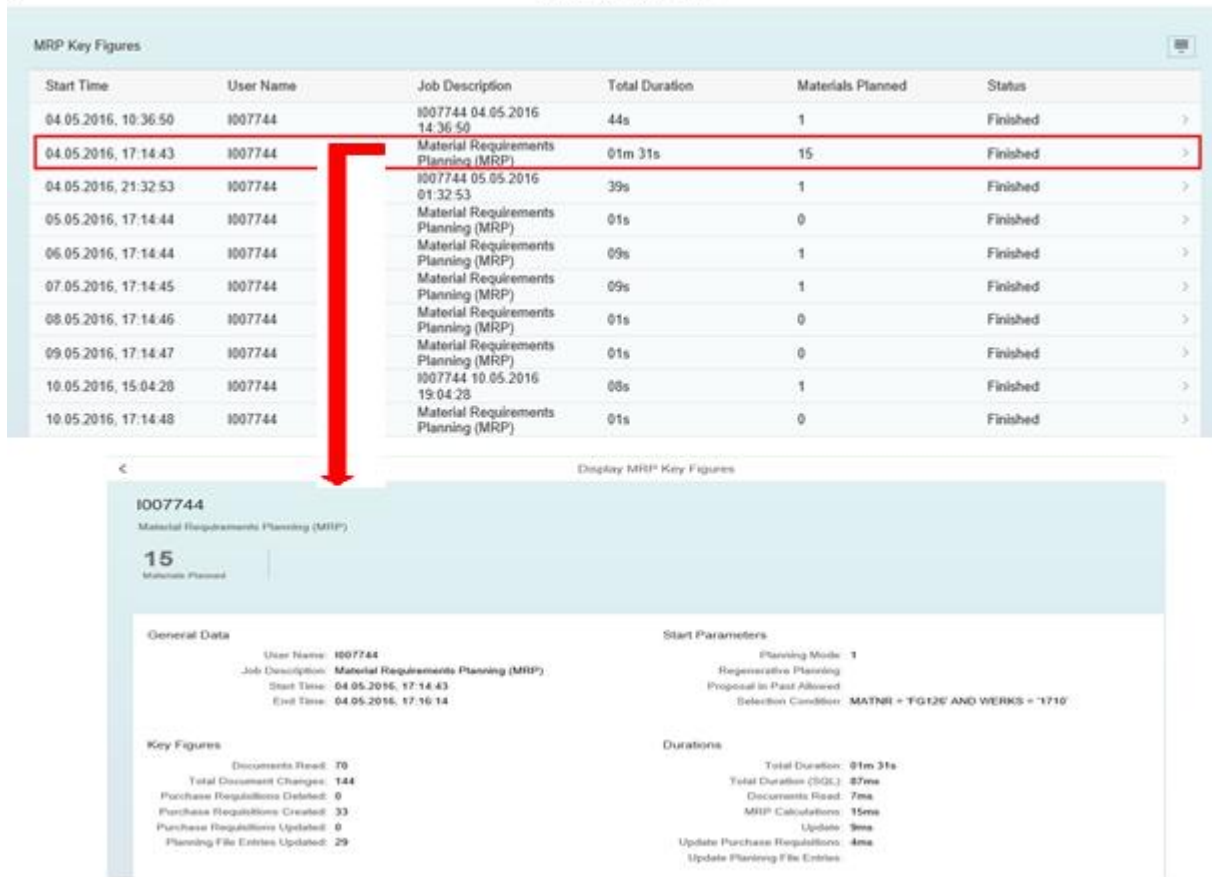


Figure 22 – Opening Screen for *Display MRP Key Figures* leading to details of job

Analyze PIR Quality

With this app you can analyze how accurately you forecasted your planned independent requirements for materials. You can determine how well your forecasted demands for sales orders matched the quantities that were actually delivered to customers. You can analyze this data for monthly periods in the past.

Key Features

- Monitor the maximum positive forecast deviation per month. This value is calculated using the formula: $(\text{MaximumForecastQuantity} - \text{AvgForecastQty}) * 100.0 / \text{AverageForecastQuantity}$
- Monitor the maximum negative forecast deviation per month. This value is calculated using the formula: $(\text{MinimumForecastQuantity} - \text{AvgForecastQty}) * 100.0 / \text{AverageForecastQuantity}$
- Monitor the deviation between actual sales quantity and forecasted quantity per month in the past. This value is calculated using the formula: $(\text{LastValidForecastQuantity} - \text{SoldQuantity}) * 100.0 / \text{SoldQuantity}$
- Monitor the maximum and minimum forecast quantities and the number of forecasts per period.

Year Month	Material	Last Valid Fcst Qty	Max. Forecast Qty	Minimum Forecast Qty	Number of Forecasts	Average Fc
201605	FG126	0 PC	10 PC	10 PC	1	

Figure 23 – *Analyze PIR Quality* Opening Screen

MRP Cockpit Reuse Component

Reuse library with reusable artefacts for MRP Cockpit applications The MRP Cockpit reuse component (or reuse library) is a technical prerequisite for being able to implement and use the MRP apps. The reuse component itself is not an app and therefore does not have a tile on the Launchpad.

Appendix

Technical Set-Up

Details to come

System Prerequisites

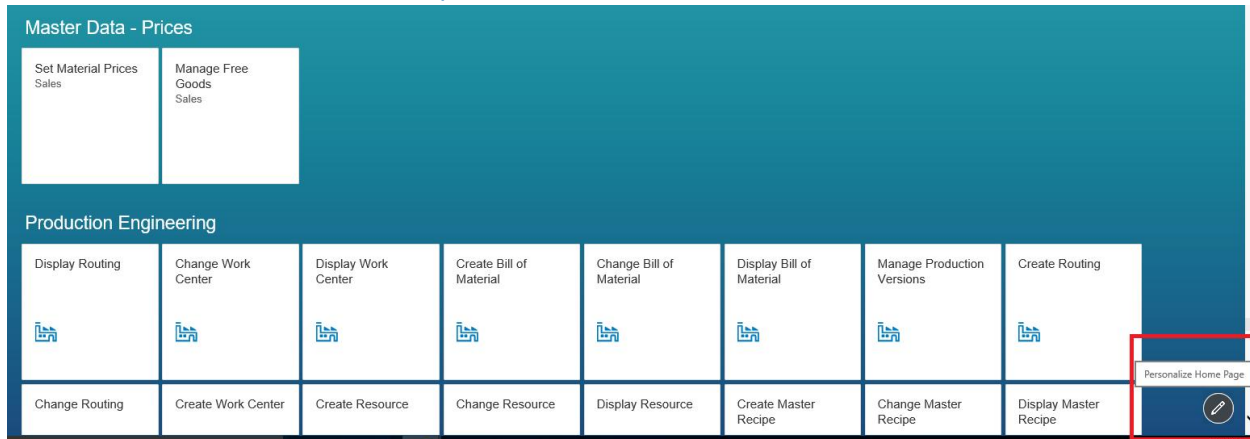
- S/4 HANA 1511 On-Premise
- S/4 HANA 1602 Cloud

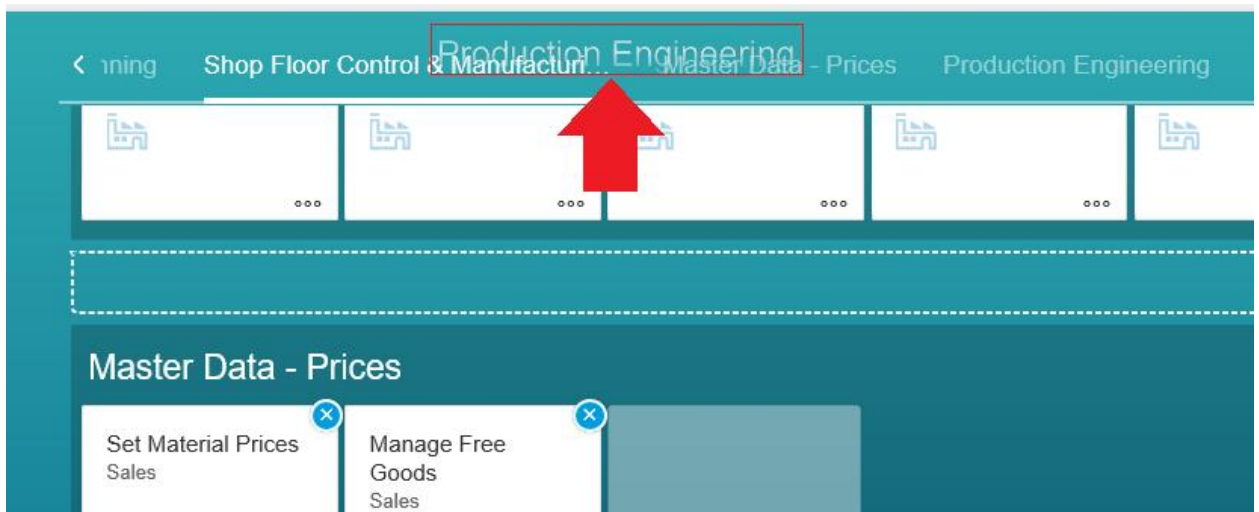
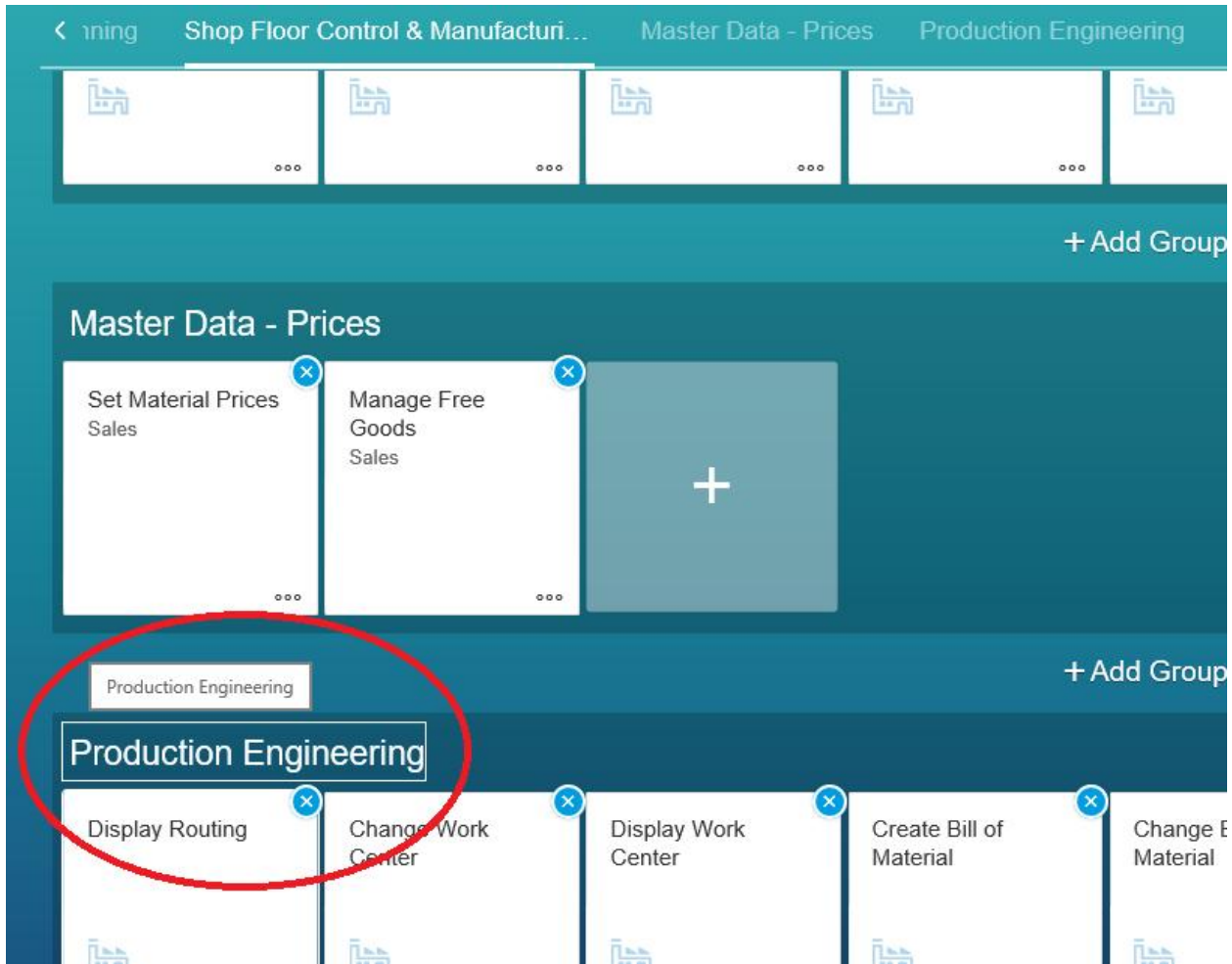
Launch Pad Catalogs

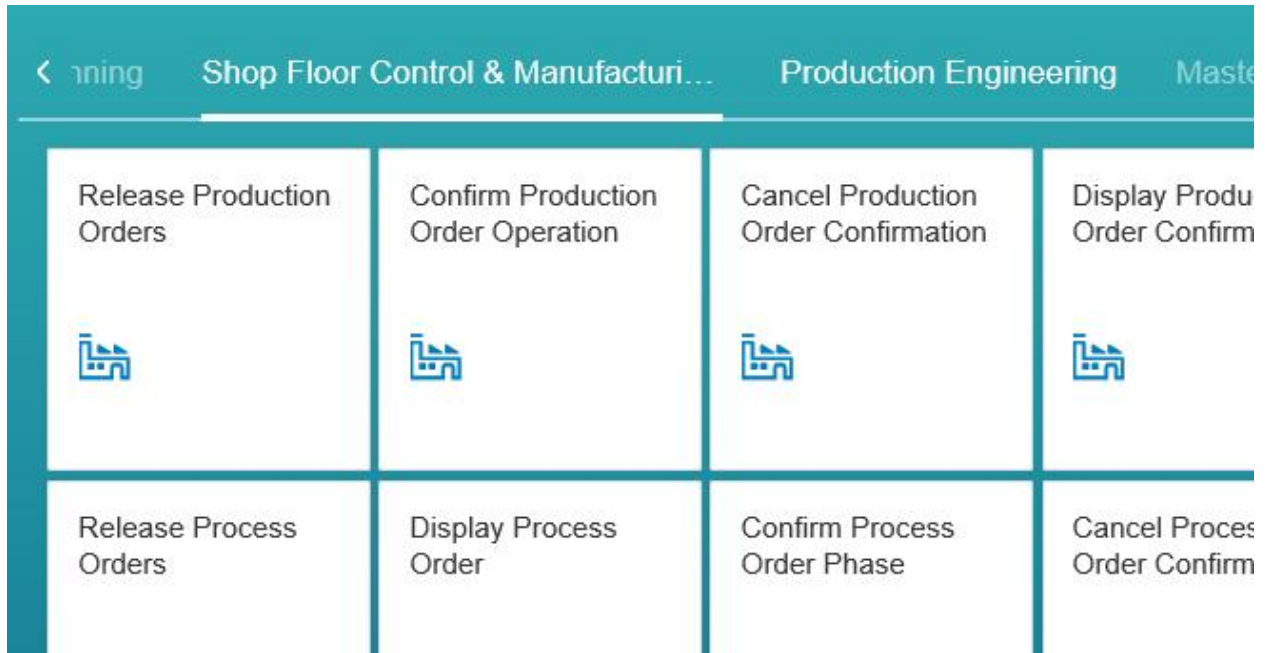
Details to Come

Fiori Launchpad/Homepage Navigation

Move a set of tiles in the Fiori Launchpad







Important Notes

<https://launchpad.support.sap.com/#/notes/1955289>

S/4 HANA Fioris -Roles: Material Planner, Purchaser, Inventory Manager, Production Planner

Role Name	Fiori App Name	App Type	UI Technology	Comments
Material Planner	Monitor External Requirements	Transactional	Fiori UI5	
Material Planner	Monitor Material Coverage	Transactional	Fiori UI5	
Material Planner	Manage External Requirements	Transactional	Fiori UI5	
Material Planner	Manage Material Coverage	Transactional	Fiori UI5	
Material Planner	Monitor Internal Requirements	Transactional	Fiori UI5	
Material Planner	Monitor Production Orders or Process Orders	Transactional	Fiori UI5	

Material Planner	Manage Internal Requirements	Transactional	Fiori UI5	
Material Planner	Manage Production Orders or Process Orders	Transactional	Fiori UI5	
Purchaser	Purchase Order	Object Pages	Fiori UI5 - Smart Template	
Purchaser	Purchase Requisition Item	Object Pages	Fiori UI5 - Smart Template	
Purchaser	Purchase Contract	Object Pages	Fiori UI5 - Smart Template	
Purchaser	Purchasing Info Record	Object Pages	Fiori UI5 - Smart Template	
Purchaser	Supplier	Fact Sheet	Fiori UI5	
Purchaser	My Inbox - Approve Purchase Orders	Transactional	Fiori UI5 - My Inbox based	On Premise Only
Purchaser	My Purchasing Document Items	Transactional	Fiori UI5	
Material Planner	Manage Change Requests	Transactional	Fiori UI5	
Purchaser	Manage Sources of Supply	Transactional	Fiori UI5	
Purchaser	Manage Purchase Orders	Transactional	Fiori UI5	
Material Planner	MRP Cockpit Reuse Component	Reuse Component	Fiori UI5	
Purchaser	Manage Purchase Requisitions	Transactional	Fiori UI5	
Inventory Manager	Manage Stock	Transactional	Fiori UI5	
Inventory Manager	Stock - Single Material	Analytical	Fiori UI5	
Material Planner	Manage PIRs	Transactional	Fiori UI5	

Material Planner	Schedule MRP Runs	Transactional	Generic UI5 Job Scheduling Framework	
Material Planner	Maintain MRP Controllers	Transactional	Generic UI5 Config. Framework	
Inventory Manager	Material Inventory Values - Balance Summary	Analytical	Web Dynpro	
Inventory Manager	Material Inventory Values - Line Items	Analytical	Web Dynpro	
Material Planner	Display MRP Material Issues	Transactional	Generic UI5 Config. Framework	
Material Planner	Display MRP Key Figures	Transactional	Generic UI5 Config. Framework	
Inventory Manager	Stock - Multiple Materials	Analytical	Fiori UI5	Cloud Only
Purchaser	Manage Purchase Contracts	Transactional	Fiori UI5	
Purchaser	Purchase Requisition	Object Pages	Fiori UI5 - Smart Template	Cloud Only
Purchaser	Purchase Contract Item	Object Pages	Fiori UI5 - Smart Template	
Purchaser	Schedule Purchasing Jobs	Transactional	Generic UI5 Job Scheduling Framework	Cloud Only
Production Planner	Schedule Order Conversion Runs	Transactional	Generic UI5 Job Scheduling Framework	
Inventory Manager	Material Document	Object Pages	Fiori UI5 - Smart Template	
Purchaser	Manage Source Lists	Transactional	Fiori UI5	Cloud Only
Material Planner	Analyze PIR Quality	Analytical	Web Dynpro	On Premise Only
Inventory Manager	Inventory Turnover Analysis	Analytical	Fiori UI5	Cloud Only
Purchaser	Manage Purchasing Info Records	Transactional	Fiori UI5 - Smart Template	Cloud Only

Purchaser	Procurement Overview Page	Hybrid	Fiori UI5 - Overview Page	Cloud Only
Purchaser	Manage Supplier Quotation	Transactional	Fiori UI5 - Smart Template	Cloud Only