

Demand Planning Integration Best Practices: SAP SCM Perspective – PART 3

Rajesh Azmeera

Technology Professional, Department of Information and Technology, Stryker, USA

ABSTRACT

SAP Supply Chain Management is one of the key modules in SAP ERP and controls Production Planning, business forecasting and demand planning. It helps the organization to manage their supply chain process in a dynamic environment. SAP SCM is a complete software to cover key processes such as supply chain networking, supply chain planning and coordination, and supply chain execution.

*Corresponding author

Rajesh Azmeera, Technology Professional, Department of Information and Technology, Stryker, USA.

Received: September 05, 2022; **Accepted:** September 14, 2022; **Published:** September 29, 2022

Introduction

Demand planning integration we now offer an integration of key figures from SAP Integrated Business Planning (SAP IBP) into the new flexible constraint framework available in SAP S/4HANA Production Planning and Detailed Scheduling (PP/DS). Will detail all the steps in Demand Planning. The purpose of this article is to describe the general configuration steps required to manually set up the configuration within the system landscape that has already been installed using the corresponding installation or configuration guides for installation.

This article supplements the existing Customizing documentation in the Implementation Guide (IMG) and provides additional information where required

Configuration

Create Process Chain – Data Preparation:

Now, you can create the process chain to be used to prepare the planning area and the data. Transaction code: RSPC, SAP SCM Menu Demand Planning → Environment → Maintain Process Chains.

On the Process Chain Display Planning View screen, choose Create. In the New Process Chain window, enter values as follows:

Field name	User action and values	Comment
Process chain	YDP_LOAD_PRE	
Long description	YDP – Data Preparation	

Choose Continue.

On the Insert Start Process screen, choose Create. In the prompt Start Process window, make the following entry:

Field name	User action and values	Comment
Process variants	YDP_LOAD_PRE	
Long description	YDP Data Preparation	

Choose Enter. Then choose Save

In the Create Object Directory Entry, choose Local Object, choose Continue.

In the process chain maintenance window, the starting process is now visible.

Choose the Process Type pushbutton.

Now add the 2nd step of the process chain. Expand the node: SCM – Demand Planning. Choose the process type: Generate Characteristic Combination.

In the Insert Generate Characteristic Combination window, choose Create to create a process variant. Enter the Process Variants YDP_GENERATE_CVC and variant description. Then choose Enter.

On the Process Maintenance: Generate Characteristic Combination screen, choose the program variant YDP_CVC you created before with F4 input help and choose continue. Choose Save. In the Create Object Directory Entry, choose Local Object, then go back till the new job is displayed on the right screen area.

Now add the 3rd step to the process chain. Choose the process type: Initialize (Create Time Series Objects) under the node: SCM – Demand Planning. In the Insert Initialize (Create Time Series Objects) window, choose Create to create a process variant. Enter the Process Variants YDP_INIT_PA and variant description. Then choose Enter. In the Process Maintenance: Initialize (Create

Time Series Objects) screen, choose the program variant YDP_PAREA_I you created before with F4 input help and choose continue. Choose Save. In the Create Object Directory Entry, choose Local Object, then go back and continue. The selected job is now on the right screen area. Now add the 4th step to the process chain. Choose process type: Load Data from InfoCube under the node: SCM – Demand Planning. In the prompt Insert Load Data from InfoCube window, choose Create to create a process variant. Enter the Process Variants YDP_LOAD and variant description. Then choose Enter. In the Process Maintenance: Load Data from InfoCube screen, choose the program variant YDP_LOAD you created before with F4 input help and choose continue. Choose Save. In the Create Object Directory Entry, choose Local Object, then go back and continue. The selected job is now on the right screen area. Now add the 5th step to the process chain. Choose process type: Calculate proportional factors under the node: SCM – Demand Planning. In the popup Insert Calculate proportional factors window, choose Create to create a process variant. Enter the Process Variants YDP_PROP and variant description. Then choose Enter. In the Process Maintenance: Load Data from InfoCube screen, choose the process variant YDP_PROP you created before with F4 input help and choose continue. Choose Save. In the Create Object Directory Entry, choose Local Object, then go back and continue. The selected job is now on the right screen area.

Now add the 6th step to the process chain. Choose process type: DP Background Processing under the node: SCM – Demand Planning. In the prompt Insert DP Background Processing window, choose the planning job YDP_PRE you created before with F4 input help and choose continue. The selected job is now on the right screen area. Now link these jobs by the same sequence they are created, by selecting the start job and dragging a line to the linked job, choose ...successful in the Action for... dialog box.

Choose Activate to make the process chain active.

Schedule Process Chain – Data Preparation. Now you can schedule when the process chain should be run, periodically or manually trigger. Because this process chain is called as a local process chain, we schedule this process chain as immediate start.

Procedure

Choose the Process Chain you have just created, and make sure you are in the change mode. Double-click on the Start Job. On the Maintain Start Process screen, choose Change Selections. On the Start Time screen, choose Immediate (Immediate start checkbox is selected). Choose Save. On the Maintain Start Process screen, choose Save and Go back. Process Chain – Data Load and Preparation from ECC. This process chain is used to upload the master data and transaction data from SAP ECC. Then you make preparation at APO side for further demand planning in DP. It includes 3 process chains that is, load ECC transaction data, load ECC master data, and make preparation in APO side. The following process chains have been maintained: Master Data Load from ECC, for detail, please reference Building Block Y93 configuration guide. Transaction Data Load from ECC, for detail, please reference Building Block Y93 configuration guide. Data Preparation. Create Process Chain – Data Load and Preparation from ECC.

Methodology

To access the activity, use one of the following navigation options

Transaction code	RSPC
SAP SCM Menu	Demand Planning → Environment → Maintain Process Chains

On the Process Chain Display Planning View, choose Create, then make the following entries:

Field name	User action and values	Comment
Process chain	YDP_DATA_LOAD_PRE_ECC	
Long description	YDP – Data Load and Preparation from ECC	

Choose Continue.

In the Insert Start Process window, choose Create. In the Start Process window, enter the following values:

Field name	User action and values	Comment
Process variants	YDP_DATA_LOAD_PRE_ECC	
Long description	Data Load and Preparation from ECC	

Choose Enter, then choose Save. In the Create Object Directory Entry window, choose Local Object, Go back then choose Continue. In the Process Chain Maintenance Modified Version window, the starting process is now visible.

Choose Process Type

Now add the 2nd step of the process chain. Expand the node: General Services. Choose the process type: Local Process Chain. In the prompt Insert Local Process Chain window, choose the process chain ZBPR_Y93_ZDPA_PC01 using F4 input help and choose continue. The selected job is now on the right screen area. Repeat step 7- 8 to add the other two process chains: BPR_Y93_ZDPA_PC02, and YDP_LOAD_PRE. Now link these jobs by the same sequence they are created, by selecting the start job and dragging a line to the linked job, choose ...successful in the Action for... dialog box. Schedule Process Chain – Data Load and Preparation from ECC. Normally you need to load data and do preparation at the beginning of each planning cycle, for example, at the beginning of each month. So you would schedule this process chain to run periodically. You also would manually trigger this process chain when necessary.

Methodology

Choose the Process Chain you just created, and make sure you are in the change mode. Choose Start Job.

On the Maintain Start Process screen, choose Change Selections. On the Start Time screen, if you want to manually trigger this process chain, choose Immediate (Immediate start checkbox is selected). Or if you want to run periodically, you choose Date/ Time, and specify the date, time and Period values. On the Start Time screen, choose Save. On the Maintain Start Process screen,

choose Save and Go back.

Data Load and Preparation from Flat File

Instead from ECC, this process chain is used to upload data from flat file. After that you can make preparation at APO side for further demand planning in DP. It includes 2 process chains, load data from flat file, and make preparation in APO side.

The following process chains have been maintained.

Data Load from Flat File and Data Preparation

To access the activity, use one of the following navigation options: Choose Enter, then choose Save

In the Create Object Directory Entry, choose Local Object, Go back then choose Continue. In the Process Chain Maintenance Modified Version window, the starting process is now visible. Choose Process Type.

Now add the 2nd step of the process chain. Expand the node: General Services. Choose process type: Local Process Chain. In the Insert Local Process Chain window, choose the process chain YDP_DATA_LOAD_FLAT using F4 input help and choose continue. The selected job is now on the right screen area. Repeat the steps 7 - 8 to add the other process chain YDP_LOAD_PRE. Now link these jobs by the same sequence they are created by selecting the start job and dragging a line to the linked job.

Choose Activate to make the process chain active.

Create Planning Jobs – Forecast

To access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MC8D
SAP SCM Menu	Demand Planning → Planning → Demand Planning in the Background → Create Demand Planning in the Background

Enter values according to the following table:

Field name	User action and values	Comment
Job number	YDP_FC1	
Job name	Initialize Corrected Sales	

Choose Execute.

On the next Create Planning Job screen, maintain values according to the following table:

Field name	User action and values	Comment
Planning Book	YDP_PB_MASS_JOB	
Data View	YDP_DV_FORECAST	
Version	001	

Choose Execute,

On the next Create Planning Job screen, maintain values according to the following table:

Field name	User action and values	Comment
Control Parameters for background planning		
Activity	YDP_FC1	The activity you have created
Planning job information		
Generate Log	X	Select the check box
Do Not Create Spool List	X	
Chars		
One	YDP_MP_ALL_PROD_LOC	

Choose Aggregation level, in the Choose chars dialog box, select all characteristics except navigation attributes. Then choose Continue. Choose Save.

Now create the 2nd job for the forecasting. Repeat step 2 – 4 with Job Name YDP_FC Description Forecasting, then assign activity YDP_FC to this planning job. Choose Aggregation level, in the Choose chars dialog box, select only product and location characteristics. Then choose Continue. Choose Save.

Now, create the 3rd job. Repeat the steps 2 – 6 with Job Name YDP_FC2 Description Copy stats fest to manual fest, then assign the activity YDP_FC2 to this planning job. Create Process Chain – Forecast

To access the activity, use one of the following navigation options:

Transaction code	RSPC
SAP SCM Menu	Demand Planning → Environment → Maintain Process Chains

In the Process Chain Display Planning View, choose Create and make the following entries:

Field name	User action and values	Comment
Process chain	YDP_FORECASTING	
Long description	YDP - Forecasting	

Choose Continue. In the Insert Start Process window, choose Create. In the prompt Start Process window, make the following entries:

Field name	User action and values	Comment
Process variants	YDP_FORECASTING	
Long description	Forecasting	

Choose Enter, then choose Save. In the Create Object Directory Entry, choose Local Object, go back then choose Continue. In the Process Chain Maintenance Modified Version window, the starting process is now visible. Choose Process Type. Now add the 2nd step of the process chain. Expand the node: SCM – Demand Planning. Choose process type: DP Background Processing. In the Insert DP Background Processing window, choose the job YDP_FC1 you created before using F4 input help and choose continue. The selected job is now on the right screen area. Now add the 3rd step of the process chain. Choose process type: DP Background Processing under the node: SCM – Demand Planning. In the Insert DP Background Processing window, choose the job YDP_FC you created before and choose continue. The selected job is now on the right screen area. Now add the 4th step of the process chain. Choose process type: DP Background Processing under the node: SCM – Demand Planning. In the prompt Insert DP Background Processing window, Select the job YDP_FC2 you created before and choose continue. The selected job is now on the right screen area. Now link these jobs by the same sequence they are created, by selecting the start job and dragging a line to the linked job, choose ...successful in the Action for... dialog box. Choose Activate to make the process chain active. Schedule Process Chain – Forecast

Normally you need to run forecast for each planning cycle, for example, each month. You would manually trigger this process chain when necessary. You would also schedule this process chain to run periodically

Process Chain – Consolidate

Purpose of this process chain is to consolidate the local adjustments, additional demand key figure for the central planner to calculate the final demand plan.

Macro listed below has been maintained. Copy stat. fest to man. Fcst. Determine KF FORECAST ADJ.CENTRAL, Calc. Demand Plan. To Access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MC8T
SAP SCM Menu	Demand Planning → Planning → Demand Planning in the Background → Define Activities for Mass Processing

In the screen Activity, maintain the data according to the table below:

Field name	User action and values	Comment
Activity	YDP_CONS	Your activity name
Description	Macro: Consolidate fest data	Your activity description

Then choose Create. In the next screen Activity, maintain the data according to the table below:

Field name	User action and values	Comment
Planning Book	YDP_PB_MASS_JOB	Your activity name
Data View	YDP_DV_MACRO	

Select the Macro tab page at the bottom of the screen. Three actions are to be defined within this activity.

Choose macro ‘Copy stat fest to man. fest’ from the drop list next to the Macro radio button. Choose Adopt Current Action button. The macro is shown at the List of Actions area. Choose the down pushbutton to go to next action button to add the 2nd action. Choose macro ‘DETERMINE KF FORECAST ADJ. CENTRAL’ from the drop list. Choose Adopt Current Action. The 2nd macro is shown at the List of Actions area. Choose the down pushbutton to go to next action button to add the 3rd action. Choose macro ‘Calc. Demand Plan’ from the drop list. Choose Adopt Current Action button. The 3rd macro is shown at the List of Actions area. Choose Save.

Create Planning job – Consolidate

Methodology

To Access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MC8D
SAP SCM Menu	Demand Planning → Planning → Demand Planning in the Background → Create Demand Planning in the Background

On the Create Planning Job screen, make the following entries :

Field name	User action and values	Comment
Job number	YDP_CONS	
Job name	Macro: Consolidating	

Choose Execute. On the next Create Planning Job screen, maintain values according to the following table:

Field name	User action and values	Comment
Planning Book	YDP_PB_MASS_JOB	
Data View	YDP_DV_MACRO	
Version	001	

Choose Execute. On the next Create Planning Job screen, maintain values according to the following table:

Field name	User action and values	Comment
Control Parameters for background planning		
Activity	YDP_CONS	The activity you have created
Planning job information		
Generate Log	X	Select the check box
Do Not Create Spool List	X	
Chars		
One	YDP_MP_ALL_PROD_LOC	

Choose Aggregation level, in the Choose chars screen, select all characteristics except the navigation attributes. Then choose Continue. Choose Save. Then go back.

Transaction code	RSPC
SAP SCM Menu	Demand Planning → Environment → Maintain Process Chains

In the process chain maintenance planning view, choose Create and enter values as follows:

Field name	User action and values	Comment
Process chain	YDP_RLECC	
Long description	DPA – Release DP to ECC	

Choose Continue. In the Insert Start Process window, choose Create. In the prompt Start Process window, enter values as follows:

Field name	User action and values	Comment
YDP_RLECC	YDP_RLECC	
Release DP to ECC	Release DP to ECC	

Choose Enter, then choose Save . In the Create Object Directory Entry, choose Local Object, go back then choose Continue. In the Process Chain Maintenance Modified Version window, the starting process is now visible. Choose Process Types. Expand the node: SCM – Demand Planning. Choose process type: DP Background Processing. In the Insert DP Background Processing window, choose the job YDP_RLECC you created before and choose Continue. The selected job is now on the right screen area. Link the starting process to this job, by selecting the start job and dragging a line to the previous selected job, choose ...successful in the Action for... dialog box.

Choose Activate to make the process chain active.

Schedule Process Chain – Release Demand Plan to SAP ECC. Normally, you need to release demand plan result to SAP ECC at the end of each planning cycle. You would manually trigger this process chain when necessary. You would also schedule this process chain to run periodically.

This process chain supports the process to release the demand plan to APO-SNP, based on a release profile. You take this step if you want to release final demand plan to SNP for further planning. Ignore this step if you want to release final demand plan to ECC. Before the activity can be created, you have to create a release profile. To access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MC8S
SAP SCM Menu	Demand Planning → Environment → Maintain Release Profiles

In the Release Profile window, maintain value as follows:

Field name	User action and values	Comment
Release Profile	YDP_RLSNP	Your release profile name

Then choose Create. In the detail Release Profile window, maintain the values as follows:

Release Demand Plan to APO-SNP

Now the activity can be created. To access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MC8T
SAP SCM Menu	Demand Planning → Planning → Demand Planning in the Background → Define Activities for Mass Processing

the Activity screen, maintain the data according to the table below:

Field name	User action and values	Comment
Activity	YDP_RLSNP	Your activity name
Description	Release DP to SNP	Your activity description

Then choose Create.

On the next Activity screen, maintain the data according to the table below:

Field name	User action and values	Comment
Planning Book	YDP_PB_MASS_JOB	
Data View	YDP_DV_RELEASE	

Choose the Release Prfl. tab page at the bottom of the screen. Maintain the value as follows:

Field name	User action and values	Comment
Release Profile	YDP_RLSNP	Your release profile

Choose Enter. Choose Adopt Current Action, then action Release with action counter 1 is automatically inserted in the activity. Choose Save.

Release Demand Plan to SNP

Methodology

To access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MC8D
SAP SCM Menu	Demand Planning → Planning → Demand Planning in the Background → Create Demand Planning in the Background

Enter values as follows:

Field name	User action and values	Comment
Job number	YDP_RLSNP	
Job name	Release DP to SNP	

Choose Execute. On the next Create Planning Job screen, maintain values according to the following table:

Field name	User action and values	Comment
Planning Book	YDP_PB_MASS_JOB	
Data View	YDP_DV_RELEASE	
Version	001	

Choose Execute. On the next Create Planning Job screen, maintain the values according to the following table:

Field name	User action and values	Comment
Control Parameters for background planning		
Activity	YDP_RLSNP	The activity you have created
Planning job information		
Generate Log	X	Select the check box
Do Not Create Spool List	X	
Chars		
One	YDP_MP_ALL_PROD_LOC	

Choose Aggregation level, on the Choose chars screen, select the characteristics for Product and Location. Then choose Continue. Choose Save.

Release DP to SNP

To access the activity, use one of the following navigation options:

Transaction code	RSPC
SAP SCM Menu	Demand Planning → Environment → Maintain Process Chains

In the process chain maintenance planning view, choose Create and enter values as follows:

Choose Continue. In the Insert Start Process window, choose Create. In the Start Process window, enter values as follows:

Choose Enter, then choose Save. In the Create Object Directory Entry, choose Local Object, go back then choose Continue. In the Process Chain Maintenance Modified Version window, the starting process is now visible. Choose Process Type. Expand the node: SCM – Demand Planning. Choose process type: DP Background Processing. In the pop up Insert DP Background Processing window, choose the job YDP_RLSNP you created before and choose continue. The selected job is now on the right screen area. Link the starting process to this job, by selecting the

start job and dragging a line to the previous selected job, choose ...successful in the Action for... dialog box. Choose Activate to make the process chain active. On the Create Object Directory Entry screen, choose Local Object.

Release Demand Plan to APO-SNP

Normally, you need to release demand plan result to SAP SNP at the end of each planning cycle. You would manually trigger this process chain when necessary. You would also schedule this process chain to run periodically. This process chain is used to back up the corrected history key figure into a backup InfoCube. You can run this process chain based on your planning cycle, for example each month. Then this backup InfoCube can be used for reporting and analysis purposes. First, you need to generate an InfoCube, which is used to back up the corrected history data. The InfoCube is generated based on the planning area. Only extract historical related key figures. To access the activity, use one of the following navigation options:

Transaction code	/SAPAPO/MSDP_ADMIN
SAP Menu	Advanced Planning and Optimization → Demand Planning → Environment → Administration of Demand Planning and Supply Network Planning

Choose Planning Area YDP_PA. Choose the menu path Extras → Data Extraction Tools.

On the DP/SNP Data Extraction screen, choose Generate DataSource, on the Generate export data source screen, enter DataSource name YDP_PA_DS02. Choose Execute. Choose Yes if the message Multiple DataSources for a planning object structure appears. On the DataSource: Customer version Edit screen, hide the key figures except those from the following list:

InfoObject ID	Short text
ZY93_BK01	Sales Quantity 1
ZY93_BK04	Historical Sales Correction
ZY93_BK05	Historical Sales Override
ZY93_BK06	Corrected Sales History
ZY93_BK91	Corrected History without additional demand
UNIT	Unit of measure

Choose Save. On the DP/SNP Data Extraction screen, choose Data backp and choose Generate InfoCube from the planning area, input the following values:

Field name	User actions and values	Comments
InfoCube	ZY93_IC03	
Description	Backup YDP_PA - Corrected history	
InfoArea	ZBPR_Y93_DPA_IA01	

Choose Execute. Choose Yes on the Check window to include the proportional factor in the InfoCube. Choose Continue in the Display logs window. Then Exit.

Result

The backup InfoCube for corrected historical sales data has been generated. Change Backup InfoCube for Corrected history. Here, you create new dimensions for the InfoCube, then you put each characteristic to the corresponding dimension. To access the activity, use one of the following navigation options:

Transaction Code	RSA1
SAP Menu	Advanced Planning and Optimization → Demand Planning → Environment → Data Warehousing Workbench

In the Data Warehousing Workbench: Modeling window, choose InfoProvider from the Modeling section, expand InfoArea ZBPR_Y93_DPA_IA01 and choose InfoCube ZY93_IC03.

Change to change mode and select the folder Dimensions Folder at the right side of the screen. Right-click dimension ZY93_IC031 and choose Properties. Change the description to Product and confirm. Right-click dimension ZY93_IC03T and choose Properties. Change the description to Time and confirm. Right-click the folder Dimensions and choose Create New Dimensions . Give a description for the dimension. The extra dimensions to be created are as follows: Customer, Location, Region, Sales Org, version, created on. Choose Save. Follow the table below to move the characteristics under dimension Product to the corresponding dimensions by drag and drop:

Dimension	InfoObject ID	Description
Time	0CALMONTH	Calendar year/month
	0CALYEAR	Calendar year
Product	ZY93_BC01	Product
	ZY93_BC02	Product Line
Customer	ZY93_BC04	Customer
Location	ZY93_BC03	Location
Region	ZY93_BC05	Region
Sales Org	ZY93_BC06	Sales Organization
Version	9AVERSION	APO Planning Version

Right-click dimension Created on and choose InfoObject Direct Input. Input the following values:

InfoObject ID	Description
0CREATEDON	Date on which the record was created

Select the folder "Key Figures" and remove all key figures that are not part of the DataSource YDP_PA_DS02. Choose Activate to activate the InfoCube. Choose Local Object if the Create Object Directory Entry dialog box appears. create Transformation, DTP and InfoPackage. To access the activity, use one of the following navigation options

Transaction Code	RSA1
SAP Menu	Advanced Planning and Optimization → Demand Planning → Environment → Data Warehousing Workbench

In the left part of the Administrator Workbench: Modeling screen, in the Modeling section, choose Source System. Right-click your source system, for example, SH1CLNT185, choose Replicate

DataSources in the context menu. Select the as DataSource(RSDS) radio button if the Data Source from Source System Unknown dialog box appears. A background job is triggered. Check in the job overview that this job has finished before proceeding to the next step. On the Administrator Workbench screen, you are still in the source system view. Right-click the source system SH1CLNT185 and choose Display DataSources Tree in the context menu.

Choose the DataSources 9AYDP_PA_DS02 you have just created. Choose Change Mode.

Choose Active DataSource. Choose Local Object if the Create Object Directory Entry screen appears.

In the left part of the Administrator Workbench: Modeling screen, in the Modeling section, choose InfoProvider. Expand InfoArea ZBPR_Y93_DPA_IA01 and right-click InfoCube ZY93_IC03, Choose Create Transformation...in the context menu. In the Create Transformation dialog box, enter the value as follows:

Field name	User action and values	Comment
Source of the Transformation		
Object Type	DataSource	From the drop list
DataSource	9AYDP_PA_DS02	
Source System	for example SH1CLNT185	

Choose Create Transformation. On the Transformation Create screen, drag the line between two tables (if they are linked automatically, then just have a check and skip this step):

On the Transformation Create screen, in the right target table, choose the row 0CREATEDON.

In the Rule Details window, choose Formula from the drop down list for the Rule Type field and choose Change rule. In the prompt window, find SYST-DATUM Current Date from the field list and choose it. The Current Date is written at the formula area.

Choose Back. Choose Transfer Values. Choose Activate to activate the transformation. Choose Yes if Log Display window prompt. Choose Local Object if the Create Object Directory Entry screen appears.. Right-click Data Transfer Processes under InfoCube ZY93_IC03 again and choose Create

Data Transfer Processes...in the context menu, enter the value below and confirm the dialog:

Field name	User actions and values
Data Transfer Proc.	9AYDP_PA_DS02 / SH1CLNT185 → ZY93_IC03/Delta
DTP Type	Standard(Can be Scheduled)
Object Type	DataSource
DataSource	9AYDP_PA_DS02
Source System	SH1CLNT185

Choose Continue. Choose Activate Data Transfer Process. Choose Local Object if the Create Object Directory Entry screen appears. Expand the Data Transfer Processes 9AYDP_PA_DS02 / SH1CLNT185 → ZY93_IC03/Delta, right-click DataSource 9AYDP_PA_DS02, choose Create InfoPackage... in the context menu.

In the Create InfoPackage window, enter InfoPackage description ZBPR_Y93_9AYDP_PA_DS02_IP01_F, and choose Save. Choose Local Object if the Create Object Directory Entry screen appears.

On the Scheduler (Maintain InfoPackage) window, select Data Selection tab page, enter 001 for from value of /BI0/9AVERSION. Choose Save and Exit.

Create Process Chain – Corrected History Back UP

To Access the activity, use one of the following navigation options:

Transaction code	RSPC
SAP SCM Menu	Demand Planning → Environment → Maintain Process Chains

In the Process Chain Maintenance Planning View, choose Create and enter values as follows:
Choose Continue

In the Insert Start Process window, choose Create.

Field name	User action and values	Comment
Process variants	YDP_BU_CORR_HIST	
Long description	Long description	

Choose Enter, then choose Save. In the Create Object Directory Entry, choose Local Object, go back then choose Continue. In the Process Chain Maintenance Modified Version window, the starting process is now visible. Choose Process Type. Expand the node Load Process and Post-Processing. Choose Execute InfoPackage and select the InfoCube for Corrected Historical Data Back-up in the Insert Execute InfoPackage window and choose Continue.

The data transfer process 9AYDP_PA_DS02 / SH1CLNT185 -> ZY93_IC03/Delta is automatically inserted in the process chain view. The selected job is now on the right screen area.

Link the starting process to the Load Data job, by selecting the start job and dragging a line to the Load Data job, choose ... successful in the Action for... dialog box. Then link the Load Data job to Data Transfer Process job, choose ...successful in the Action for... dialog box. Choose Save.
Choose Activate to make the process chain active.

Backup Historical Data Correction

Normally, you need to backup historical data correction for report and analysis purpose. You would manually trigger this process chain when necessary.

This process chain is used to save the forecast key figure into a backup InfoCube. You can run this process chain based on your planning cycle, for example each month. Then this backup InfoCube can be used for reporting and analysis purpose.

Generate Backup InfoCube for Forecasting Result

First, you need to generate an InfoCube which is used to back up the forecasting result. The InfoCube is generated based on the planning area, only extract forecast related key figures. To access the activity, use one of the following navigation options: Choose the planning area YDP_PA. Choose the menu path Extras → Data Extraction Tools.

On the DP/SNP Data Extraction screen, and choose Generate DataSource, on the Generate export data source screen, enter DataSource name YDP_PA_DS01. Choose Execute. Choose Yes if the Multiple DataSource for a planning object structure screen appears. On the DataSource: Customer version Edit screen, hide key figures except list below:

InfoObject ID	Description
ZY93_BK07	Statistical Forecast
ZY93_BK08	Manual Forecast
ZY93_BK10	Local Planners Forecast Adjustment
ZY93_BK11	Central Planners Forecast Adjustment
ZY93_BK09	Additional demand
ZY93_BK12	Demand Plan
UNIT	Unit of measure

Choose Save. Choose Back. On the DP/SNP Data Extraction screen, choose Data backup and Choose Generate InfoCube from planning area, input the following values:

Field name	User actions and values	Comments
InfoCube	ZY93_IC02	
Description	Backup YDP_PA – Forecast result	
InfoArea	ZBPR_Y93_DPA_IA01	

Choose Execute. Choose Yes on the Check window to include the proportional factor in the InfoCube.
Choose Continue on Display logs window. Then Exit.

Result

The backup InfoCube for forecast result data has been generated.

Conclusion

In this article able to describe few case studies, methodologies and results related to Process flow, Bucket Profile in Demand Planning, Planning Area, Planning Book and Data View and Forecasting. SAP Supply Chain Management, Demand planning, Forecasting will have more number of case studies and methodologies. We'll cover few more in next article [1-25].

References

1. Analyzing Demand Planning. Learning SAP https://learning.sap.com/learning-journey/discovering-end-to-end-business-processes-for-the-intelligent-enterprise/analyzing-demand-planning_c51b50fc-7ec6-43e9-96e0-5842d1122d4d.
2. Demand Planning. SAP HELP https://help.sap.com/docs/SAP_SUPPLY_CHAIN_MANAGEMENT/d8a0d82aa9c041028502c8c175143205/7ee8fd508d67e85ee1000000a44538d.html?version=7.0.
3. Demand Sensing in IBP (2023) SAP Blogs <https://blogs.sap.com/2023/03/23/demystifying-demand-sensing-in-sap-ibp-how-it-brings-value-to-your-supply-chain/>.
4. Demand Planning. SAP HELP https://help.sap.com/doc/saphelp_scm700_ehp02/7.0.2/en-US/7e/e8fd508d67e85ee1000000a44538d/content.htm?no_cache=true.
5. Jomerce PJ (2018) PP/DS for SAP S/4HANA (Advanced

- Planning) : A powerful planning and scheduling tool SAP Blogs <https://blogs.sap.com/2018/02/12/ppds-for-sap-s4hana-advanced-planning-a-powerful-planning-and-scheduling-tool/>.
6. Berthold von Haaren (2023) Production Planning Integration – Synchronized Planning for Production Using Key Figure Integration and the New Flexible Constraint Heuristic. SAP Blogs <https://blogs.sap.com/2023/11/02/production-planning-integration-synchronized-planning-for-production-using-key-figure-integration-and-the-new-flexible-constraint-heuristic/>.
 7. Ulrich Mast (2022) SAP S/4HANA Manufacturing for planning and scheduling – Release 2022 is now available, SAP Blogs <https://blogs.sap.com/2022/11/01/sap-s-4hana-manufacturing-for-planning-and-scheduling-release-2022-is-now-available/>.
 8. Gayatree Bhattacharyya (2022) Flexible Integration with PP/DS for SAP S/4HANA. SAP Blogs <https://blogs.sap.com/2022/01/05/flexible-integration-with-pp-ds-for-sap-s-4hana/>.
 9. Ahmet Tasdelen (2021) Basic configuration of embedded PP/DS in S/4 HANA. SAP Blogs <https://blogs.sap.com/2021/01/04/basic-configuration-of-embedded-pp-ds-in-s-4-hana/>.
 10. Gerhard Welker (2020) Highlights for Manufacturing in SAP S/4HANA 2020. SAP Blogs <https://blogs.sap.com/2020/12/15/highlights-for-manufacturing-in-sap-s-4hana-2020/>.
 11. Phillip Dent (2019) Production Planning and Detailed Scheduling in SAP S/4HANA – What Does It Mean to Me?. SAP Blogs <https://blogs.sap.com/2019/02/19/production-planning-and-detailed-scheduling-in-sap-s4hana-what-does-it-mean-to-me/>.
 12. Venkadesh Seetharaman (2019) PP/DS on S/4 HANA (Advanced Planning) Insights. SAP Blogs <https://blogs.sap.com/2019/01/17/ppds-on-s4-hana-advanced-planning-insights/>.
 13. Jomerc PJ (2018) Production Scheduling Board with PP/DS for SAP S/4HANA (Advanced Planning) on SAP S/4HANA 1709 FPS1. SAP Blogs <https://blogs.sap.com/2018/02/15/production-scheduling-board-with-ppds-for-sap-s4hana-advanced-planning-on-sap-s4hana-1709-fps1/>.
 14. Pranit Bankar (2023) Planning with Characteristics using SAP S/4HANA DSC Edition of PP/DS. SAP Blogs <https://blogs.sap.com/2023/06/21/planning-with-characteristics-using-sap-s-4hana-dsc-edition-of-pp-ds/>.
 15. Berthold von Haaren (2023) Exploring the Benefits of Synchronized Planning for Production. SAP Blogs <https://blogs.sap.com/2023/05/25/exploring-the-benefits-of-synchronized-planning-for-production/>.
 16. Tom Arne Altmueller (2021) Business benefits of a PP/DS for SAP S/4HANA implementation. SAP Blogs <https://blogs.sap.com/2021/03/17/business-benefits-of-a-pp-ds-on-sap-s-4hana-implementation/>.
 17. Pradeep Vijay (2015) SCM Core Interface- Handbook (PART-1). SAP Blogs <https://blogs.sap.com/2015/01/21/scm-core-interface-handbook-part-1/>.
 18. Roman Gorbenko (2020) Integrate It! SAP EWM and SAP ERP integration via CIF. Step-by-step guide. SAP Blogs <https://blogs.sap.com/2020/08/17/integrate-it-sap-ewm-%d0%b8-sap-erp-integration-via-cif.-step-by-step-guide/>.
 19. Balakrishna Gajula (2020) Master Data transfer through CIF using BTEs. SAP Blogs <https://blogs.sap.com/2020/08/24/master-data-transfer-through-cif-using-btes/>.
 20. CIF Customizing in SAP ECC or SAP S/4HANA. SAP HELP https://help.sap.com/docs/SAP_INTEGRATED_BUSINESS_PLANNING/68fa1e86fe6f41d98421d1ce13a08a9fa37c66e3e4de42d891ea922a2e65d4c6.html.
 21. How to Perform CIF Post Processing. SAP HELP https://help.sap.com/docs/SAP_INTEGRATED_BUSINESS_PLANNING/68fa1e86fe6f41d98421d1ce13a08a9fa37c66e3e4de42d891ea922a2e65d4c6.html.
 22. Luke Krogh (2022) How To Choose A Forecasting Model in SAP S/4HANA. SAP Blogs <https://blogs.sap.com/2022/04/08/how-to-choose-a-forecasting-model-in-sap-s-4hana/>.
 23. Girish MP (2021) Sales Forecasting & Planning using SAP Analytics Cloud. SAP Blogs <https://blogs.sap.com/2021/09/21/demand-forecasting-planning-using-sap-analytics-cloud/>.
 24. Oleksandr Golubet (2021) Planning and Forecasting with SAP Profitability and Performance Management Solution – A modern approach, SAP Blogs <https://blogs.sap.com/2021/01/27/planning-and-forecasting-with-sap-profitability-and-performance-management-solution-a-modern-approach/>.
 25. Hardik Shah (2023) SAP success metrics and cloud deployment options. SAP Blogs <https://blogs.sap.com/2023/11/02/sap-success-metrics-and-cloud-deployment-options/>.

Copyright: ©2022 Rajesh Azmeera. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.