

PP/DS Cookbook for S/4HANA 1709 - 2022

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DOCUMENT INFORMATION

Version	Changes	Date	Author
1610/1709	Created by	2017/Q4	Cam Castelein
1610/1709	Created by	2017/Q4	Vengata Tankuturi
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1709/1809	Reviewed	2018/Q3	Ulrich Mast Jomerce PJ
1709/1809/ 1909/2020		2023/Q1	

1 INTRODUCTION

1.1 Use of the Cookbook

This cookbook should be a guideline for the

- basic settings for the integration of the embedded PP/DS to S/4HANA
- basic customizing settings to activate embedded PP/DS

and provide some information and links on

- liveCache
- optimizer
- master data integration
- transaction data integration

It should provide some information to avoid simple errors / missing configuration in setting up embedded PP/DS and data integration.

The cookbook is NOT a description of functionalities and processes in embedded PP/DS.

This document should be used in conjunction with the following SAP Notes:

[2434851 - How to setup Advanced Planning \(PPDS\) in S/4 HANA \(CIF Basic Setup\)](#)

[2382787 - Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling for SAP S/4HANA 1709](#)

[2496628 - Release Information Note: Production Planning and Detailed Scheduling for SAP S/4HANA 1709](#)

[2666947 - Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling for SAP S/4HANA 1809](#)

[2674488 - Release Information Note: production Planning and Detailed Scheduling for SAP S/4HANA 1809](#)

[2825650 - Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling for SAP S/4HANA 1909](#)

[2841107 - Release Information Note: Production Planning and Detailed Scheduling for SAP S/4HANA 1909](#)

[2952988 - Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling in SAP S/4HANA 2020](#)

[2963990 - Release Information Note: Production Planning and Detailed Scheduling for SAP S/4HANA 2020](#)

[2970988 - Restrictions and Implementation Recommendations for Production Planning Optimizer \(SAP S/4HANA 2020\)](#)

- [3073717](#) General Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling for SAP S/4HANA 2021

- [3230401](#) - Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling in SAP S/4HANA 2022

The notes provide further information regarding technical considerations that need to be considered to set-up PP/DS applications within 1709, 1809, 1909, and 2020 while this cookbook is meant as a guide to step through that. Besides there is a lot of information about functionalities of PP/DS for S/4HANA.

This guidebook assumes a starting point of an SAP S/4HANA 1709 or 1809 system that was not a direct copy from the provided SAP S/4HANA 000 client (as would occur if one were installing Best Practices for example and only the identified “white space” C/G table entries are copied). Your steps may vary in this set-up had you had a client that was a copied directly from 000.

There are more references to notes in the cookbook concerning certain topics. You find a list of all notes mentioned in this cookbook at the end of the cookbook.

Note: There may be slight differences concerning the screenshots depending on the installed release.

1.2 General Information about embedded PP/DS

Embedded PP/DS is an integral part of S/4HANA (not an add-on, not side-by-side). It is installed and updated together with S/4HANA.

However, embedded PP/DS is still a separate price list item.

Certain versions of a “Standalone SCM-APO” system running side-by-side with SAP S/4HANA are supported (including the functions integrating standalone SNP, DP and PP/DS).

SCM-APO and embedded PP/DS for SAP S/4HANA can be used together, but the data modelling should ensure that there is no data dependency. That means for example you should take care not to plan the same product-location combinations or the same resources in both PP/DS systems. If you use SNP of SCM-APO and embedded PP/DS on S/4HANA for the same products and/or locations, there will be a lot of restrictions to be considered.

It is possible to use EWM and PP/DS which are part of S/4HANA in the same client.

Refer to the following SAP Notes:

[3257040](#) - SAP S/4HANA 2022: Process Integration with SAP on-premise Solutions

[3106645](#) - SAP S/4HANA 2021: Process Integration with SAP on-premise Solutions

[2974130](#) - SAP S/4HANA 2020: Process Integration with SAP on-premise Solutions

[2816584](#) - SAP S/4HANA 1909: Process Integration with SAP on-premise Solutions

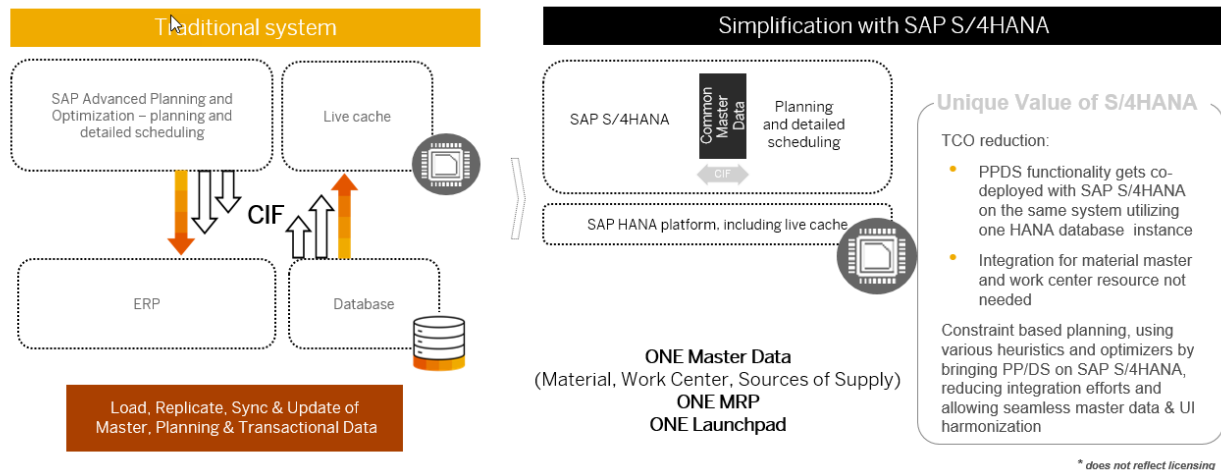
[2657067](#) - SAP S/4HANA 1809: Process Integration with SAP on-premise Solutions

[2495662](#) - SAP S/4HANA 1709: Process Integration with SAP on-premise Solutions

The integration of PP/DS on S/4HANA leads to some simplification in CIF infrastructure for master and transaction data with an aligned process integration with SAP S/4HANA.

Production Planning – PPDS | Unified Functionality in the Core

UI Harmonization, CIF Simplification, Master Data Harmonization, Analytics



liveCache

- liveCache is an integral part of S/4HANA.
- Use of embedded PP/DS requires the installation of the S/4HANA liveCache. Check SAP note 2407589
- Embedded PP/DS without liveCache is not on the roadmap.

Integration of Master and Transaction Data

- CIF (Core Interface) is technically part of the integration for master and transaction data
- Simplified settings for the user
- NO plans for PP/DS without CIF
- Activating of transfer of master data to embedded PP/DS:
 - By setting the flag "advanced planning" in the master data object (for example: material master, work center)
 - By executing a report (for example: plants, business partners, production versions/PDS)
 - By creating and activating Integration Models (for example: purchasing info records, characteristics - from 1909 the Subcontracting PDS transfers the Info record as well without explicit Integration Model.
 - Also from 1909 no direct Integration Models IM for characteristics.

Optimizer

- Embedded PP/DS provides also the PP/DS optimizer for scheduling.
- The optimizer has to be additionally installed (for most use cases it is recommended to install it on a separate hardware).

- The corresponding version is published in the S/4HANA Product Availability Matrix.
- Check SAP Note 1686826 [Installation help for installing SCM Optimizers](#)
- Check SAP Note 712066 [Restrictions of the Production Planning and Detailed Scheduling \(PP/DS\) optimizer](#) for recommendations and restrictions for the PP/DS Optimizer.

- For optimizer sizing refer the link:

<https://websmp209.sap-ag.de/~sapidb/012002523100010357172015E/SizingSheetPPDSOpt.zip>

Note:

Embedded PP/DS for SAP S/4HANA is not a legal successor of the SCM PP/DS. Data migration and customer code migration from PP/DS component from the SAP SCM Server is not supported by the standard solution.

1.3 Simplification List for embedded PP/DS

The Simplification List for Production Planning and Detailed Scheduling consists of simplification items, with a focus on what has to be considered by customers in an implementation or a migration project from the PP/DS component from SCM Server to PP/DS for SAP S/4HANA 1709. The simplification items for Production Planning and Detailed Scheduling for SAP S/4HANA 1709 are also applicable for SAP S/4HANA 1809, SAP S/4HANA 1909, and SAP S/4HANA 2020. There are no additional simplification items specific to PP/DS for those releases. **The Simplification List for PP/DS for SAP S/4HANA 1709 is available as a pdf document in the referenced SAP Note 2517109.** Its purpose is to help you understand the differences between the PP/DS component from the SAP SCM Server and PP/DS for SAP S/4HANA Editions.

- [2517109 - Simplification List: Production Planning and Detailed Scheduling for SAP S/4HANA 1709](#)
- [2647972 - Simplification List: Production Planning and Detailed Scheduling for SAP S/4HANA 1809](#)
- [2841072 - Simplification List: Production Planning and Detailed Scheduling for SAP S/4HANA 1909](#)
- [2977528 - Simplification List: Production Planning and Detailed Scheduling for SAP S/4HANA 2020](#)
- [3073717](#) General Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling for SAP S/4HANA 2021
- [3230401](#) - Restrictions and Implementation Recommendations for Production Planning and Detailed Scheduling in SAP S/4HANA 2022





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