

Comparing WM, Stock Room Management, EWM and S/4HANA Cloud WM

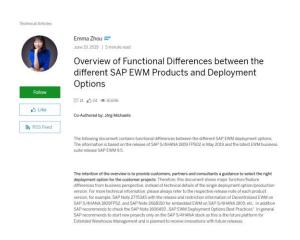
Functionality	Stock Room Management	Warehouse Management (1)	Basic EWM (2)	Advanced EWM (3)	S/4HANA Cloud WM
Manage stock at storage location	②	②	②	Ø	②
Bin management		0	Ø	②	②
Putaway strategies		0	Ø	②	
Removal strategies		0	Ø	②	
Pick logic – Wave Management	×		(4) License Required	•	8
Replenishment			•	•	②
RF technology (configurable)			•	•	②
Support of modern devices (PickbyVoice, SmartGlasses,)	×	8	•	•	②
Flexible process modeling	×		•	•	
Handling / Storage Unit Management			•	•	
Serial number support			②	②	
Task and Resource Management	8		•	(
Distribution Equipment	8	×	•	(8
Connect to external Material Flow System	×	②	②	②	8
Material Flow System	×		(4) License Required	•	8
Value Added Services / Kit-to stock / Kit-to order	8		(4) License Required	(8
Pallet building algorithm	8	8	(4) License Required	(8
Cross-docking	8		(4) License Required	0	8
Physical Inventory (Bin-level)		0	Ø	O	②
Physical Inventory (HU level)			Ø	②	Ø
Managing Transportation Units	8	8	(4) License Required	②	2 😣
Labor management	×	8	(4) License Required	②	8

Functionality	Stock Room Management	Warehouse Management (1)	Basic EWM (2)	Advanced EWM (3)	S/4HANA Cloud WM
Deconsolidation	8	8	②	②	8
Multi client/customer warehousing	8	8	②	②	8
Stock consolidation	8	8	•	②	8
Warehouse Billing	8	8	(4) License Required	②	8
Slotting / Re-arrangement	8	8	(4) License Required	(8
ABC analysis	8	8	Ø	(8
Advanced Returns Management / E-commerce Returns	8	8	Ø	②	
Managing customs stock / Integration with SAP GTS	8	8	Ø	Ø	8
Seamless batch & HU tracking (GBT)			Ø	②	8
KPIs / Embedded Analytics	8	8	Ø	(②
Integration to SAP BW (incl. content)	8	8	Ø	②	8
Preconfigured Content / Best Practice	8	8	Ø	(②
Yard Management			(4) License Required	Ø	8
Integration with SAP TM	8	8	(4) License Required	Ø	8
Direct integration with SAP ME/MII	8	8	Ø	②	8
FIORI	8	8	Ø	Ø	②
Decentral deployment	8	Ø	8	Ø	8
Roadmap / last development	No roadmap	No roadmap	Roadmap exists	Roadmap	Roadmap
(1) Available in S/4HANA in Compatibility mode (till Dec 31, 2025)	Coding based on	Last development:	Latest release:	exists	exists
₍₂₎ Available in S/4HANA in Compatibility mode (till Dec 31, 2025) ₍₃₎ Available as embedded and decentral deployment option	last	R/3 4.7 2.0 - 2003	S/4HANA 1909	Latest release:	Latest release:
4) Functionality is not included in S/4HANA Basic Warehouse Management – to use that, an EWM license is	development:			S/4HANA 1909	S/4HANA
required (Advanced EWM) ₍₅₎ AddOn planned	R/3 4.7 2.0 - 2003				Cloud 2005
(6) Yard Logistics AddOn available					

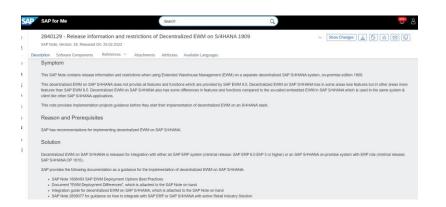
Differences of Decentralized EWM on S/4HANA and Embedded EWM

Considerations for selecting the right Deployment Option

SAP S/4HANA's code line, simplified data model and modern user experience are consistent for both decentral and embedded. Decentral EWM in S/4HANA provides additional deployment flexibility in the IT landscape.



Blog on deployment differences between different EWM products



SAP Note 2840129 (S/4HANA 1909) provides information on differences and restrictions compared to embedded EWM in SAP S/4HANA



SAP Note 1606493 provides information about SAP EWM deployment options best practices



Differences of Basic and Advanced EWM

Basic warehouse management provides support with and real-time transparency into managing and processing material movements flexibly for optimized warehouse operations

Scope of Basic EWM:2

- Warehouse Structure
- Inventory Management
- Handling Units (incl. nested HUs)
- Inbound Processing
- · Outbound Processing
- Internal Warehouse Movements
- Physical Inventory
- Warehouse Management Monitor
- Analytics (CDS views, operational KPIs)
- · Resource Management
- · Quality Management
- Production Integration (delivery based and advanced production integration, direct production integration in embedded EWM on S/4HANA only)

Embedded EWM With SAP S/4HANA

Supporting all levels of warehouse complexity

Advanced Warehouse Management

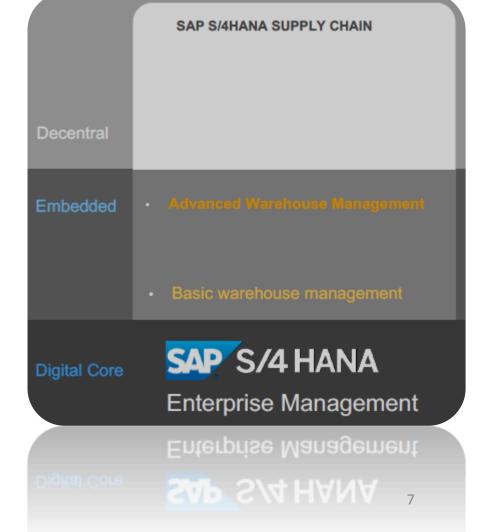
- Inventory Management Optimization (e.g. Slotting)
- Outbound Process Optimization (e.g. Waves)
- Material Flow Control
- Yard Management (e.g. TU handling, Dock Appointment Scheduling)
- Labor Management
- Cartonization Planning
- Value Added Services
- Kitting
- Cross Docking
- Warehouse Billing
- TM Integration

Basic Warehouse Management

- Warehouse Structure
- Inventory Management
- Handling Units (incl. nested HUs)
- Inbound Processing
- Outbound Processing
- Internal Warehouse Movements
- Physical Inventory
- Reporting (Warehouse Management Monitor, Analytics)
- Resource Management
- Quality Management
- Production Integration

Optimize warehouse operations

Stock transparency and control



Audit Report

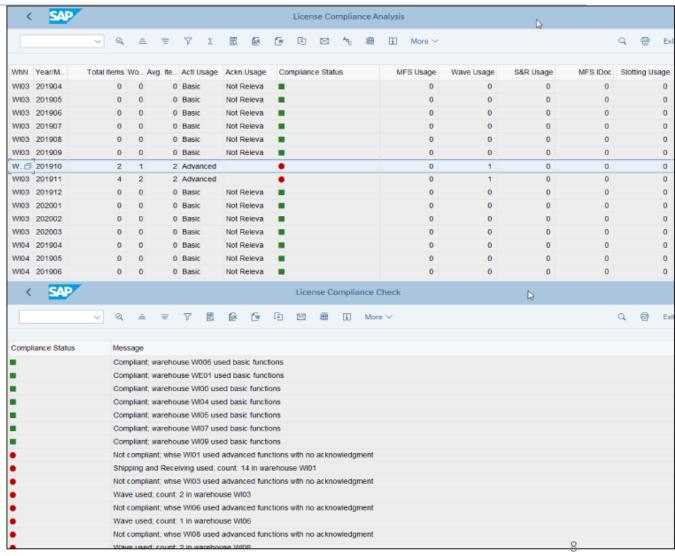
Check if advanced functions are used via two reports

Go to SE38 and run the following reports:

·/SCWM/RP_COMPLIANCE_CHECK - to

check whether any advanced function is used

 /SCWM/RP_LICENCE_ANALYSIS – to check details of the advanced function usage



License Compliance Analysis Report

SAP S/4HANA Cloud - Warehouse Management : Scope: Best Practice Processes

SAP Best Practices for SAP S/4HANA Cloud, public edition

	Version	
Solution Scenario	2308 Name V	External ID 🗸
	Mobile RF Devices in Warehousing (63V)	63V
	Mobile RF Devices in Warehousing with Production Integration (63W)	63W
	Mobile RF Devices in Warehousing with Quality Management (63X)	63X
	Produce and Sell Standard Products - Warehouse Managed (54V)	54V
	Quality Management in Warehousing (3M0)	3M0
	Replenishment in Warehousing (4A2)	4A2
	Resource Management in Warehousing (3W0)	3W0
	Retail Logistics with Embedded Warehouse Management (69L)	69L
	Retail Logistics with Third-Party Warehouse Management (69M)	69M
	SAP EWM Integration - Batch Management (2VN)	2VN
	SAP EWM Integration - Customer Returns (2VO)	2VO
	SAP EWM Integration - Delivery-Based Production Integration (2VM)	2VM
	SAP EWM Integration - Inbound Processing from Supplier (2VJ)	2VJ