SAP Extended Warehouse Management

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SAP FORUM

SAP Extended Warehouse Management (SAP EWM)

Mission and strategy

Mission

The **world's best** warehouse management solution

The **thought leader** in supply chain execution

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History (1994–2012)

A long history of warehouse management business, process, and IT expertise

1994 — 2007 — 2012 — ….

SAP R/3: warehouse management functionality
(SAP R/3 2.0–4.7)

Goods storage

Logistics execution

SAP Supply Chain Management (SAP SCM)
SAP EWM application

(SAP EWM 5.0– 5.1)

Distribution center logistics

(SAP EWM 7.0–7.01)

Advanced warehouse management

(SAP EWM 7.02)

Best-in-class warehouse management

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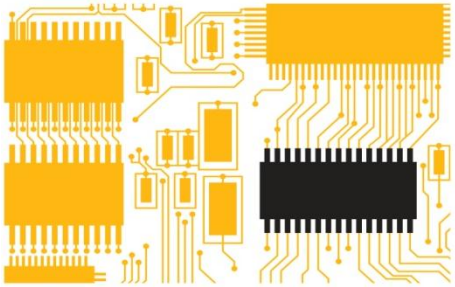
SAP Extended Warehouse Management

Best-in-class warehouse management solution

World-class analytics

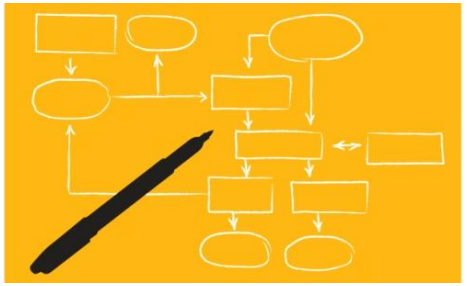


Built-in optimization

High-perfomance execution

Comprehensive integration with SAP Business Suite applications

Leading-edge warehouse technology integration



High degree of flexibility and adaptability

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Overview of SAP Extended Warehouse Management 7.02

A complete and integrated solution

Inbound processing

- Transportation unit processing
- Goods receipt mgmt. and optimization
- Inbound quality management
- Yard management

Storage and operations

- Physical inventory
- Replenishment and rearrangement
- Kit-to-stock management

Outbound processing

- Outbound planning (route, wave, bin, cartonization, and so on)
- Picking optimization, packing, staging, and load management
- Value-added services

Analytics

Labor management

Cross-docking

Compliance

Native technologies

Implementation tools

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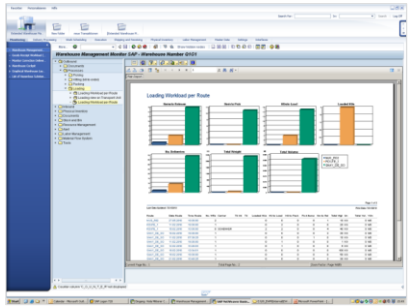
World-class analytics with SAP EWM

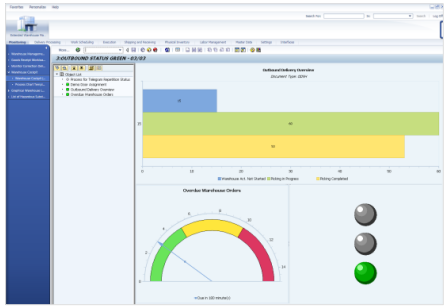
Comprehensive stock and process transparency

Supply chain manager

Cross-warehouse performance monitoring

Warehouse supervisor





Comprehensive, central warehouse operation monitor

Alert and exception monitoring

Drill-down and direct-action triggering

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Built-in optimization

Wave management, labor management, and slotting

Wave management	Optimized work orders; efficient pick path
Labor management	Reduced labor costs; improved labor planning
Slotting	Advanced storage concept; ABC goods classification
Cartonization	Automatic shipping-unit determination

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Leading-edge warehouse technology integration

Increased accuracy, efficiency, and visibility

Material flow system (MFS)

- Programmable logical controllers (PLC)
- Pallet and case conveyors

Native technology integration

- Mobile radio frequency (RF)
- Pick by voice
- RFID

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Native integration with SAP Business Suite

Comprehensive, smooth, and real-time process integration

Sales and distribution	• Order processing • Customer relationship management (CRM) • Back-order processing (global available to promise) • Advanced claims and returns management • Track and trace
Procurement	• Advance shipping notification (ASN) • Inbound quality management
SAP Manufacturing	• Comprehensive production supply support (process orders and crate parts)
SAP Environment, Health, and Safety Management	• Dangerous goods handling • Storage and document printing
SAP Global Trade Services	• Compliance with import and export regulations • Customs; bonded warehouse

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Verticalized offering

Examples of support for in-depth industry-specific processes in SAP EWM

Automotive

- Production supply
- Kit to stock
- Kit to order

Chemicals

- Batch management
- Dangerous goods

Consumer products

- Catch weight
- Batch management
- Best-before handling

Retail

- Merchandise distrib-tribution cross-docking
- High-volume throughput
- Best-before handling

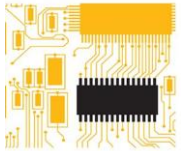
Service parts

- Slotting
- Kit to stock
- Kit to order

Transportation and logistics

- Transportation cross-docking
- Dangerous goods
- Transport integration

High tech



- Serial numbers
- Production supply

Life sciences

- Batch management
- Best-before handling

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High flexibility and adaptability

Tailor SAP EWM to **your** specific needs

Personalization

- Role-based menus
- User-specific reports
- Role-based user interfaces
- Multilingual support

Configuration

- Warehouse layout
- Industry-specific warehouse processes
- Strategies (picking, putaway, and so on)

Customer-specific extension

- Open code for reuse
- Documented interfaces
- Modification-free extensions
- Upgrade security or upgrade-secure interfaces

Service-oriented architecture

- Development of composite applications
- Integration to legacy systems and third-party software

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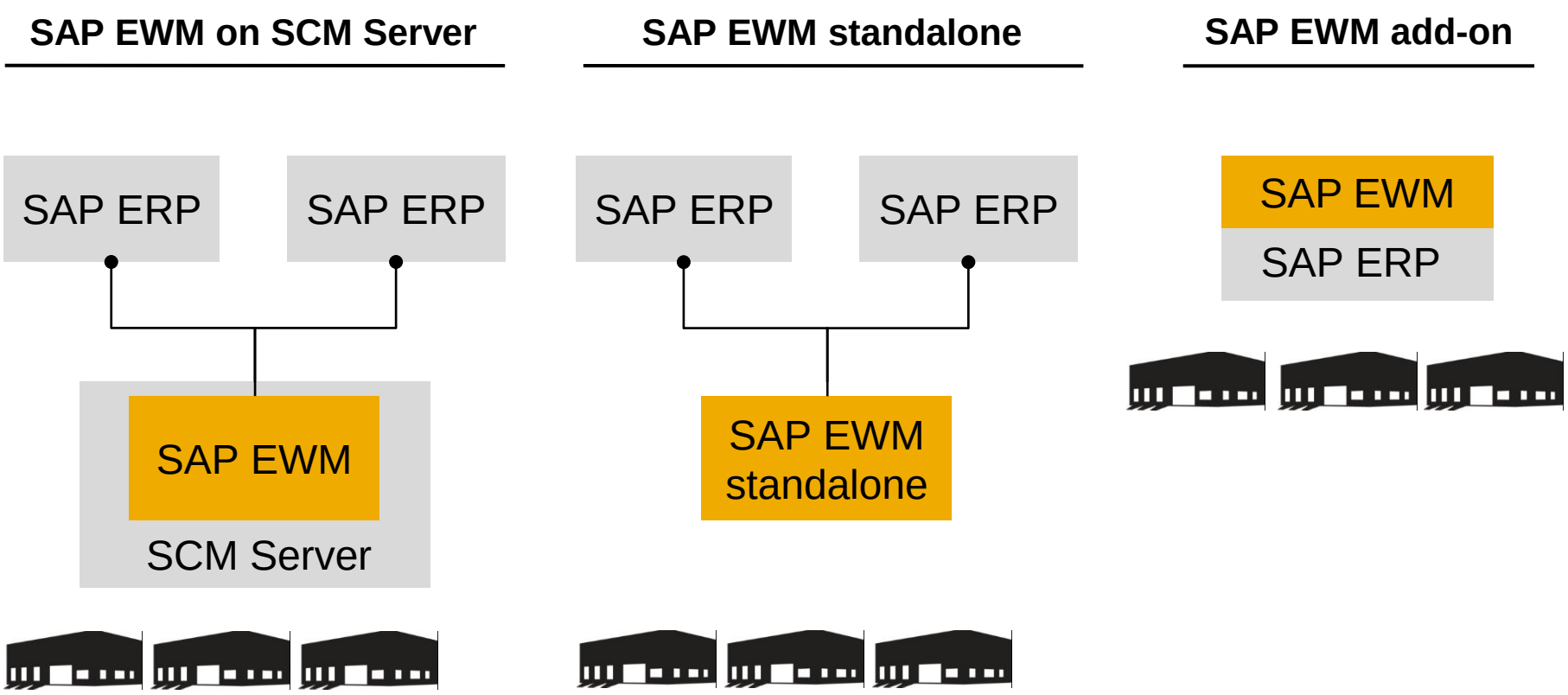
Solution architecture for SAP EWM

Deployment options



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Customer benefits of SAP EWM

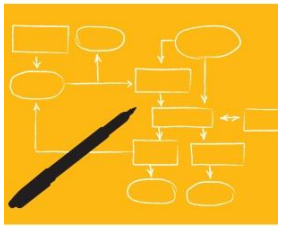
Increased warehouse productivity

Greater transparency

Increased accuracy

Better service levels

Reduced costs



Flexibility and scalability

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The best are leading the way with SAP EWM

Dansk Supermarked	Increased **speed** and significantly reduced picking times
一汽–大众 FAW - VOLKSWAGEN	**34%** ongoing labor cost reduction
Humana Unternehmensgruppe	**Near zero** customer-complaint rate
Artoni	**30%** increase in warehouse productivity
MAPLE LEAF	**20** warehouses live using the same template

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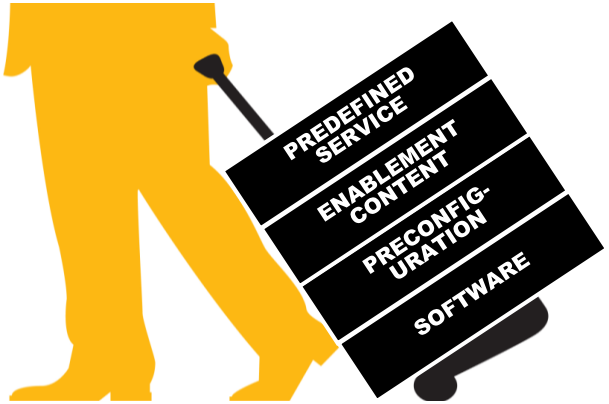
Total cost of implementation: strategy for SAP EWM

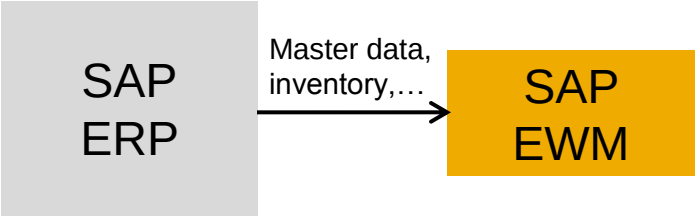
Rapid-deployment solutions

- Complete solution that is ready to run
- Fixed scope, fixed cost, and 100% transparency



Migration tools

- Accelerated migration of data from WM in SAP ERP to SAP EWM
- Master data migration
- Migration guide



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Services and ecosystem around SAP EWM

Strong service offering and ecosystem

Service and support

- SAP consulting practice
- 24x7 global support
- Quality assurance services and SAP Safeguarding
- Rapid-deployment solutions
- Custom development

Partners

- Global partners
- Expert logistics partners
- Local partners
- Complementary software products

Education

- Classroom training
- E-learning
- Certification program

Ecosystem

- SAP Community Network
- User group for SAP EWM
- Social networks for SAP EWM

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Wrap-up

- ☑ Comprehensive, deep warehouse management expertise
- ☑ Best-in-class, integrated warehouse management solution
- ☑ Strong and growing customer base
- ☑ Strategic investment area for SAP
- ☑ Integral part of platform road map for supply chain execution

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Thank You!

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