



SAP ERP

EXTENDED PROFILE



OVERVIEW

WHAT IS SAP ERP?

SAP ERP is an integrated on-premises software system developed by SAP SE that unifies a company's key business

functions(finance, sales, manufacturing, HR, logistics, and more) within a single central database.

Each module (for example, Finance & Controlling, Sales & Distribution, Materials Management, or Human Capital Management) addresses a core business area. Modules share data in real time, so information flows across the organization without duplicate entry.

The system supports 39 languages and covers the entire manufacturing and logistics lifecycle. Core modules include standard ERP features as well as HR and finance. Customers can apply regular upgrades selectively to various business functions.

Designed for a wide range of industries, SAP ERP serves process manufacturers in pharmaceuticals, insurance firms, wholesale distributors, higher education institutions, and more.

SAP markets SAP ERP Central Component (ECC) as its traditional ERP solution for medium and large enterprises. The latest on-premises release was SAP ERP 6.0 (with Enhancement Pack 8) in 2006.

SAP ERP END-OF-SUPPORT

SAP ERP is now considered [legacy software](#): SAP plans end-of-support for SAP ERP 6.0 by December 31, 2027, after which customers will receive only maintenance fixes. Organizations should plan migration to [SAP S/4HANA](#) well before that deadline.

MODULES AND FUNCTIONALITY

SAP ERP's strength lies in its comprehensive suite of optional modules. Companies select only the modules they need, making the system scalable from dozens to hundreds of integrated applications.

Core modules include:

- **Financial accounting & controlling (FICO):** handles general ledger, accounts payable/receivable, budgeting, and financial reporting.
- **Sales & distribution (SD):** Manages orders, pricing, shipping, billing, and customer relationships.
- **Materials management (MM):** covers purchasing, inventory management, and procurement processes.
- **Production planning (PP):** Supports manufacturing schedules, capacity planning, and shop-floor execution.
- **Quality management (QM):** Tracks quality control and compliance processes.
- **Plant maintenance (PM):** Schedules and records maintenance for equipment and facilities.
- **Project system (PS):** Manages project planning, costs, and timelines.
- **Customer service (CS):** Supports service orders and customer support.
- **Human capital management (HCM):** Manages payroll, personnel administration, time tracking, and employee development.

The software uses a standard SAP GUI interface and three-tier architecture (presentation, application, database). SAP's proprietary ABAP/4 programming language underpins the system, enabling deep customization and extensions.

FLEXIBILITY AND DEPLOYMENT OPTIONS

SAP ERP runs on a variety of operating systems including Windows, Linux, and UNIX.

You can deploy on-premises or in the cloud. SAP ERP integrates with SAP Cloud Platform, enabling hybrid scenarios and third-party cloud services.

Users access SAP ERP via a web interface (SAP Fiori) which provides a modern, role-based experience on desktops, smartphones, and tablets.

INTERFACE

The platform offers:

- **SAP GUI:** The classic desktop client for power users.
- **SAP Fiori:** A responsive, tile-based web interface optimized for mobile and desktop.
- **OData/Open API:** Enables custom UI development with RESTful services.

FREQUENTLY ASKED QUESTIONS

IS SAP ERP A SAAS?

SAP ERP Central Component (ECC) is an on-premises system. SAP does not offer ECC as a true SaaS solution, but you can host it in private or public clouds via partners. Its successor, SAP S/4HANA Cloud, provides a multi-tenant SaaS option.

WHAT IS THE DIFFERENCE BETWEEN SAP ERP AND SAP S/4HANA?

The primary difference between SAP ERP and SAP S/4HANA lies in the system architecture and deployment flexibility.

- **Architecture:** SAP ERP (ECC) uses traditional relational databases; SAP S/4HANA runs on the in-memory SAP HANA database for faster transaction processing.
- **Deployment:** ECC is on-premises (with partner-hosted cloud options); S/4HANA offers on-premises, private cloud, public cloud, and hybrid editions.
- **Analytics & AI:** S/4HANA embeds advanced analytics, machine learning, and predictive planning, giving real-time insights.

HOW MUCH DOES SAP COST?

SAP ERP pricing varies widely based on deployment, user count, modules, and customization. Typical cost components include:

- Software licensing
- Customization and implementation (this can vary massively depending on complexity, whether or not an implementation partner is used or not etc.)
- Maintenance and support (an annual fee of around 15-20% of the software licensing fee).

For a better idea of ERP pricing, click the 'price' button above.



SOFTWARE SPECIFICATION

OVERVIEW	
PRODUCT NAME	SAP ERP
BUSINESS SECTORS	
DISTRIBUTION	✓
GOVERNMENT & NPO	✗
MANUFACTURING	✓
RETAIL	✓
SERVICES	✓
INDUSTRY	
AEROSPACE & DEFENSE	✓
AUTOMOTIVE	✓
CHEMICAL	✓
CONSTRUCTION	✓
COSMETICS	✓
ELECTRONICS	✓
ENERGY/POWER/UTILITIES	✓
ENGINEERING	✓
FASHION	✓
FINANCIAL SERVICES	✓
FOOD & BEVERAGE	✓
LOCAL GOVERNMENT	✗
MEDIA	✓

MEDICAL & HEALTHCARE	✓
METALWORKING	✓
OILFIELD	✓
PACKAGING	✓
PAINT & ADHESIVES	✓
PHARMACEUTICAL	✓
PLASTICS & RUBBER	✓
PRINT & DESIGN	✓
RENTAL	✓
TELECOMMUNICATIONS	✓
WOODWORKING	✓
CANNABIS	✗
EDUCATION	✓
NONPROFIT	✗
ERP SOFTWARE FEATURES	
BILLING	✓
BUSINESS INTELLIGENCE/ANALYTICS	✓
COSTING	✓
CRM	✓
CUSTOMER SERVICE	✓
PRODUCT DESIGN	✓
FINANCIALS & ACCOUNTING	✓
HR	✓
INVENTORY MANAGEMENT	✓
ORDER MANAGEMENT	✓

PLANNING & SCHEDULING	✓
PROJECT MANAGEMENT	✓
PURCHASING	✓
QUALITY CONTROL	✓
SALES	✓
SHIPPING & DISTRIBUTION	✓
SUPPLY CHAIN MANAGEMENT	✓
WAREHOUSE MANAGEMENT	✓
ASSET MANAGEMENT	✓
DOCUMENT MANAGEMENT	✓
CUSTOMER SUITABILITY	
ENTERPRISE (1000+ EMPLOYEES)	✓
MEDIUM SIZE (251-1000 EMPLOYEES)	✓
SMALL BUSINESS (1-250 EMPLOYEES)	✓
ADDITIONAL PRODUCT INFO	
MULTI LANGUAGE	✓
MULTI CURRENCY	✓
CUSTOMIZABLE	✓
SYSTEM HOSTING	
CLOUD	✓
INSTALLED ON PREMISE	✓
FURTHER INFORMATION	



SOFTWARE SCREENSHOTS

Shipment Edit Goto System Help

ShipERP: Create Shipment

Execute Track Shipment Cancel Shipment Reports Change HU Manual Shipment Trailer Management

External HU 4561 Shop Rates HuCnt 1 Pkg 1 of 1 Auto Rate Shop Auto Ship

Sold To Ship From Ship To Small Parcel FedEx Contents Previous Shipment

Name ATLANTA COMPANY
Attention ATTN JOHN DOE
Addr 1 2345 GLENLAKE PKWY
Addr 2
City ATLANTA State/Prov GA
Postal code 30328-3447 Country US
Phone/Fax 999-999-9999 / 999-999-9999
Customer # 0000003250

Address Validation

Shipment
Carrier FedEx Ship Date
Service FedEx Ground 11/15/2010

Payment
Payment Pre Paid 3P/COLL Acct
3P/COLL Zip 3P/COLL Country

Packaging
Packing Customer Package 1 of 1
Weight via HU 0.50 LB

Carrier Service Rates

Carrier Code	Carrier Name	Carrier Service ID	Carrier Service	Carr Rate	Currency	Transit Tm	Delivery Date	Priority
FDXG	FedEx Ground	FEDEX_GROUND	FedEx Ground	6.12	USD	5.00	11/20/2010	1
FDXE	FedEx Express	FEDEX_EXPRESS_SAVER	FedEx Express Saver	14.74	USD	3.00	11/18/2010	1

Outbound Delivery Edit Goto Edits Environment Subsequent Functions System Help

Delivery 80021575 Change: Header Details

Ship-to party 3250 Atlanta Company / 3 Orienteke Parkway / Atlanta GA 30328

Administration Partner Fields Conditions Dates Parcel Tracking Ship ERP Additional Data SAP Event Mgmt Auto-ID Info

General Info

Carrier Code UPS Ship Days 5 Billing Billing Option ID PFA10
 Carrier Service 03 Declared Value 3rd Party Account No
 Carrier Rate 0.09 3rd Party Postal Code 3rd Party Country

Shipment Description

Special Services

Saturday Pickup ☐ Saturday Delivery ☐ Residential Delivery ☐ LTL/TLT
 TrackPro Number 12296007032087777
 Freight Class

Delivery Conf. ID

Tracking

PROOF OF DELIVERY

Header	Header	Tracking #	Status	C	C	Car	Sev	City	Region	Country
80021575										
FR-CARTON	12296007032087777	DELIVERED								
Electronic ID p										
Tracking Status	12296007032087777	DELIVERED								
10062010	DELIVERED							BRENSVILLE	PA	US
10062010	OUT FOR D.							BETHLEHEM	PA	US

Shipment Edit Goto System Help

ShipERP: Create Shipment

Execute Track Shipment Cancel Shipment Reports Change HU Manual Shipment Trailer Management

External HU 4561 Ship Rates

Sold To Ship From Ship To

Name ATLANTA COMPANY
 Attention ATTN JOHN DOE
 Addr 1 2345 GLENLAKE PKWY
 Addr 2
 City ATLANTA State/Prov GA
 Postal code 30328-3447 Country US
 Phone/Fax 999-999-9999 / 999-999-9999
 Customer # 000003250

Address Validation

Shipment

Carrier FedEx
 Service FedEx Ground Ship Date 11/15/2010

Payment

Pre Paid 3PICOLL Acct
 3PICOLL Zip 3PICOLL Country

Packaging

Packing Customer Package 1 of 1
 Weight via HU 0.50 LB

Carrier Service Rates

Carrier Code	Carrier Name	Carrier Service ID	Carrier Service	Car Rate	Currency	Transit Tm	Delivery Date	Priority
FDX0	FedEx Ground	FEDEX_GROUND	FedEx Ground	6.12	USD	5.00	11/20/2010	1
FDXE	FedEx Express	FEDEX_EXPRESS_SAVER	FedEx Express Saver	14.74	USD	3.00	11/18/2010	1

List Edit Goto Settings Environment System Help

Stock/Requirements List as of 19:35 hrs

Show Overview Tree SR Planned order (WO) Sng-Item, multi-M Sng-Item, interactive

Material RESCHEDULING-01 RESCHEDULING TEST 01
 MRP area 1000 Hamburg
 Plant 1000 MRP type PD Material type FERT Unit PC

A. Date	MRP ...	MRP element data	Rescheduling d...	Exception	Receipt/Reqmt	Available Qty	St...
17.03.2012	Stock					0	
20.03.2012	PrdOrd	000060017605/PP01	30.03.2012	15	10	10	0001
30.03.2012	Reser.	0001726858/0001			10	0	

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List Bearbeiten Sprungen Suchen Einstellungen System Hilfe

Bilanz/GuV

Handelsbilanz USA

BL Ledger
 10 Währungstyp Buchungskreiswährung
 USD Beträge in Amerikanische Dollar
 2007.01-2007.16 Berichtsanzeichen
 2006.01-2006.16 Vergleichsperioden

Position	Text Bilanz/GuV-Position	Sum Berper	Sum Verper	Abs. Abw	Rel. Abw
1053000	762000 Finished goods inventory	0.00	876.000.00-	876.000.00	100.0
1053000	Total Finished Goods	0.00	5.074.985.90-	5.074.985.90	100.0
1054000	Sundry Materials				
1054000	303000 Inventory - Sundry Materials	0.00	909.597.02	909.597.02-	100.0-
1054000	303000 Inventory - Sundry Materials	0.00	240.450.00-	240.450.00-	100.0-
1054000	Total Sundry Materials	0.00	1.150.047.02	1.150.047.02-	100.0-
1055000	Consumables				
1055000	304000 Inventory - Consumables	0.00	11.628.00	11.628.00-	100.0-
1055000	Total Consumables	0.00	11.628.00	11.628.00-	100.0-
1056000	Packing Materials				
1056000	305000 Inventory - Packing Materials	0.00	136.698.00	136.698.00-	100.0-
1056000	305000 Inventory - Packing Materials	0.00	1.000.00	1.000.00-	100.0-

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