



# 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	✗
<b>ERP SOFTWARE FEATURES</b>	
BILLING	✓
BUSINESS INTELLIGENCE/ANALYTICS	✓
COSTING	✓
CRM	✓
CUSTOMER SERVICE	✓
PRODUCT DESIGN	✓
FINANCIALS & ACCOUNTING	✓
HR	✓
INVENTORY MANAGEMENT	✓
ORDER MANAGEMENT	✓

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



## 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

SAP Outbound Delivery Edit Goto Edits Environment Subsequent Functions System Help

**Delivery 80021575 Change: Header Details**

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

Administration Partner Tests 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 Postcode: 3rd Party Country:

**Special Services**

Saturday Pickup  Saturday Delivery  Residential Delivery   
 LTL/TL: TrackPro Number: 122960070392087777  
 Freight Class:

Delivery Conf. ID:

**Tracking**

PROOF OF DELIVERY

Hierarchy Header	Tracking #	Status	C	C	Car Sev	City	Region	Country
FR-CARTON1	122960070392087777	DELIVERED						
Electronics (D)								
Tracking Status	122960070392087777	DELIVERED			UPS 03 UPS Ground			
	100602010	DELIVERED				BRENSVILLE PA	US	
	100602010	OUT FOR D.				BETHELEM PA	US	

SAP 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 HuCmt: 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 #: 000003250

Address Validation

**Shipment**

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

**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

SAP 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: FERR 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/EP01	30.03.2012	15	10	10	0001
30.03.2012	Reser.	0001726858/0001			10-	0	

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SAP Bilanz/GuV

Handelsbilanz USA

6L Ledger  
 10 Währungstyp Buchungskreiswährung  
 USD Beträge in Amerikanische Dollar  
 2007.01-2007.16 Berichtsperiode  
 2006.01-2006.16 Vergleichsperiode

Position	Teil 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	5.074.065.90-	5.074.065.90	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-

CAI(11.800) obtain INS