# Publicly Available SAP Overview

## 1. Company Overview & History 🌐

SAP SE (founded 1972) is a global leader in enterprise applications and business AI, with over 110,000 employees, €34 billion+ revenue in FY2024, and a customer base covering 80% of global commerce across 440,000+ organizations. Originally known for on‑premises ERP like SAP ERP 6.0 (released 2006; legacy since replaced by S/4HANA).

## 2. What Is SAP & ERP?

SAP ERP is enterprise resource planning software that unifies finance, HR, manufacturing, procurement, supply chain, and CRM in a single system, enabling real‑time analytics and process control. SAP ERP remains legacy technology; its successor is SAP S/4HANA, designed for the SAP HANA in-memory database and offering real-time processes and analytics.

## 3. SAP S/4HANA & Cloud Offerings

SAP S/4HANA is the modern ERP suite, available in on-premise, private cloud, and Cloud Public Edition formats. The Cloud Public Edition 2508 (released July 31, 2025) delivers real-time insights, simplified data models, integrated Fiori UX, IoT readiness, and automated updates.

## 4. Modules Overview

Core functional modules in S/4HANA include: Finance (FI), Controlling (CO), Treasury & Risk Management, Sales & Distribution (SD), Materials Management (MM), Production Planning (PP), Quality Management (QM), Plant Maintenance (PM), Project Systems (PS), Human Capital Management (HCM).

Advanced and industry-specific modules: EWM (warehousing), TM (transport/logistics), PLM (product lifecycle), and tailored solutions for various industries such as consumer goods, fashion, oil & gas, utilities.

Technical and cross-functional: SAP BASIS (system administration), ABAP programming, SAP Fiori UX, embedded analytics, and integration with SAP Analytics Cloud (SAC).

## 5. ABAP & BTP (Business Technology Platform)

The ABAP environment, now part of BTP, enables development of extensions and custom applications for S/4HANA Cloud. SAP BTP provides integration, data management, analytics, low-code/no-code applications, and AI services to extend SAP systems.

## 6. Integration & APIs

S/4HANA supports integrations with SAP Ariba, Concur, SAP Green Ledger, GTS, OCR invoice systems, and external procurement tools. SAP provides APIs, RFCs, BAPIs, IDocs, and CDS views for integration.

## 7. Cloud & AI Strategy

SAP has transitioned to a cloud-first company, with over 50–80% of revenue from cloud subscriptions. The Joule copilot embeds AI across modules, using enterprise data for generative AI assistance, with integrations across Azure, AWS, and Google Cloud.

## 8. Training & Documentation Resources

Public resources include SAP Help Portal, SAP Developer Community, openSAP courses, Learning Hub, and community blogs. These cover API usage, configuration, best practices, and ABAP/CDS development.

## 9. Recommended Structure for LLM Training

1. Company & History  
2. ERP Concept & Architecture  
3. Core Modules  
4. Industry & Advanced Modules  
5. Technical Stack  
6. Integration & APIs  
7. Cloud Editions  
8. AI & BTP Features  
9. Training & Public Docs