

SAP S/4HANA Implementation Program Roadmap

Including Agentic AI Integration

Precision Finance. Agile Delivery. Integrated Solutions.

Executive Summary

This roadmap defines the end-to-end delivery framework for an SAP S/4HANA Finance implementation, structured across 5 phases following SAP Activate methodology. Embedded throughout is a layer of **Agentic AI** — autonomous AI agents that perform tasks, make decisions, and collaborate with human teams to accelerate delivery, reduce manual effort, and drive continuous value post go-live. The program spans approximately 15 months to go-live, with a sustained Run & Optimize phase thereafter.

5

Delivery Phases

15

Months to Go-Live

6

Agentic AI Agents

4

Core Workstreams

Program Phases at a Glance

PREPARE

Month 1–2

EXPLORE

Month 3–5

REALIZE

Month 6–12

DEPLOY

Month 13–15

RUN & OPTIMIZE

Month 16+

PHASE 1 — PREPARE

Month 1–2

Key Milestone: Project Charter Approved

Program Governance

- Steering Committee setup
- PMO structure & RACI
- Risk & issue log

Landscape Assessment

- Current ERP audit
- Data quality baseline
- Infrastructure readiness

AI Foundation

- Agentic AI use-case inventory
- AI governance framework
- LLM vendor selection

Change Management

- Stakeholder mapping
- Communication plan
- Change impact assessment

Agentic AI in this Phase

AI

AI Agent: Automated landscape discovery & gap analysis

PHASE 2 — EXPLORE

Month 3–5

Key Milestone: Solution Design Confirmed

Fit-to-Standard

- SAP Best Practice workshops
- Delta design decisions
- Process blueprint sign-off

Data Strategy

- Data migration strategy
- Master data governance
- Data cleansing kickoff

AI Use Cases Design

- Finance AI agent design
- PMO AI copilot design
- Conversational ERP UX

Technical Architecture

- Cloud topology (BTP/Azure)
- Integration architecture
- Security & auth design

Agentic AI in this Phase

AI

AI Agent: Process mining for fit-gap detection

PHASE 3 — REALIZE

Month 6–12

Key Milestone: System Integration Test Complete

Core Build

- FI/CO & MM/SD configuration
- Custom dev (ABAP/BTP)
- Integration build (SAP IS)

Agentic AI Build

- Finance close AI agent
- PMO status-reporting agent
- Invoice automation agent

Data Migration

- Legacy extraction & transform
- Migration cockpit loads
- Data reconciliation

Testing

- Unit & string testing
- SIT cycles
- Performance testing

Agentic AI in this Phase

AI

AI Agent: Autonomous test-case generation & defect triage

PHASE 4 — DEPLOY

Month 13–15

Key Milestone: Go-Live & Hypercare Start

User Acceptance

- UAT execution & sign-off
- Key-user certification
- Hypercare planning

Cutover

- Cutover strategy & rehearsal
- Data migration final load
- Go/No-Go decision

Training

- Role-based SAP training
- AI agent user training
- e-Learning portal launch

Go-Live

- Production go-live
- Hypercare war room
- Incident management

Agentic AI in this Phase

AI

AI Agent: Real-time cutover monitoring & anomaly alerts

PHASE 5 — RUN & OPTIMIZE

Month 16+

Key Milestone: CoE Operational & AI Agents at Scale

Stabilization

- Issue resolution
- Performance tuning
- Hypercare exit

Continuous Improvement

- Process KPI dashboards
- Quarterly value reviews
- Enhancement backlog

AI Scale-Up

- New AI agent rollout
- Model retraining & feedback
- Agentic workflow expansion

Center of Excellence

- SAP CoE setup
- AI CoE governance
- Internal capability build

Agentic AI in this Phase

AI

AI Agent: Autonomous period-close, predictive analytics, self-healing ERP

Agentic AI Agent Catalogue

Each agent operates autonomously within defined guardrails, collaborates with human team members, and integrates directly with SAP S/4HANA via BTP and standard APIs. Agents are orchestrated through a central AI governance layer ensuring auditability and compliance.

Finance Close Agent

Autonomously executes month-end close tasks: journal entry posting, intercompany reconciliation, variance analysis reporting.

PMO Status Agent

Aggregates project data from Jira, SAP, emails — auto-generates weekly status reports and escalation alerts.

Invoice Processing Agent

End-to-end AP automation: PO matching, exception handling, payment proposal — zero manual touch for standard invoices.

Master Data Agent

Monitors and enforces master data quality rules; flags duplicates and triggers cleansing workflows autonomously.

Cutover Monitor Agent

Tracks cutover task completion in real time, predicts delays, suggests remediation actions to the cutover manager.

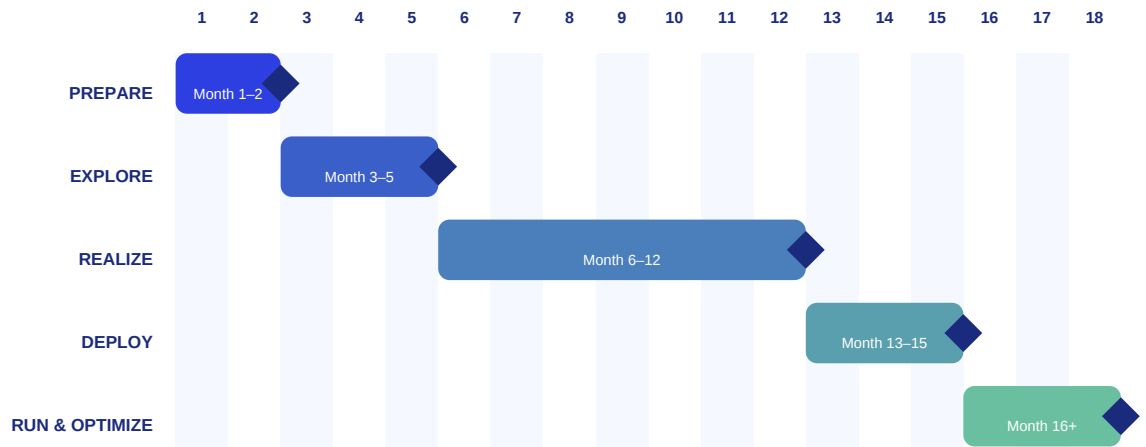
Conversational ERP Agent

Natural language interface to SAP S/4HANA — users query balances, open items, KPIs via chat without navigating Fiori.

AI Architecture Principles

BTP-native deployment | SAP APIs + OData | Human-in-the-loop escalation | Audit trail & explainability | Continuous model improvement

Program Timeline Overview



Key Workstream Swim Lanes

