The enterprise agent platform 2027: seven layers, three ways to build each

Managed Azure and AWS services and open-source building blocks per layer, as of November 2026. Badge = share of the layer's capabilities you can adopt rather than build (our analysis).

	Microsoft Azure	AWS	Open source · you run it
1 Experience — Where people and systems meet the agent	75 % **Microsoft 365 Copilot, Teams** Copilot Studio Voice Live	63 % **Amazon Quick Suite** Amazon Connect AG-UI on AgentCore Runtime	63 % **AG-UI · CopilotKit** Open WebUI LiveKit Agents (voice)
2 Orchestration — Plans, calls tools, hands off, waits	88 % **Foundry Agent Service** Microsoft Agent Framework 1.0 A2A built in	88 % **AgentCore Runtime** Strands Agents SDK A2A built in	88 % **LangGraph · Agent Framework** Temporal (durable execution) A2A 1.0 SDKs
3 Context — Knowledge, memory and meaning	75 % **Foundry IQ** (Azure AI Search) Foundry memory (preview) Fabric · OneLake	63 % **Bedrock Knowledge Bases** AgentCore Memory OpenSearch · S3	50 % **PostgreSQL + pgvector** Qdrant · Neo4j Mem0 (memory)
4 Tools & MCP — Governed access to systems of record	88 % **API Management (MCP)** Azure API Center Agent 365 registry	100 % **AgentCore Gateway** AWS Agent Registry Lambda / OpenAPI targets	63 % **MCP servers (2026-07-28)** agentgateway (AAIF) registry: adopt or build
5 Models — Inference, routing, data residency	75 % **Foundry Models** Azure OpenAI + partner models Data Zone Standard (EU)	75 % **Amazon Bedrock** EU regions · Sovereign Cloud SageMaker AI (custom)	88 % **vLLM · KServe** open-weight models LiteLLM (routing)

6 Trust — Identity, permissions, guardrails, data protection

88 %
Microsoft Azure
Entra Agent ID
Content Safety · Prompt Shields
Purview DSPM for AI
Conditional Access

63 %
AWS
AgentCore Identity
AgentCore Policy (Cedar)
Bedrock Guardrails
IAM · Macie

25 %
Open source · you run it
SPIFFE/SPIRE · Keycloak
OPA · Cedar
NeMo Guardrails
Llama Guard

7 Operations — See, test, cost and switch off agents

75 %
Microsoft Azure
Foundry Control Plane
Foundry Evaluations
Application Insights
Agent 365

75 %
AWS
AgentCore Observability
AgentCore Evaluations
CloudWatch · X-Ray
Cost Explorer

63 %
Open source · you run it
OpenTelemetry GenAI
Langfuse · promptfoo
OpenCost
(you run all of it)

Legend

88 % ≥ 75 %: mostly adopt

63 % 50–74 %: adopt and integrate

25 % < 50 %: plan to build

Dashed zone: request path (layers 1–5) or cross-cutting concern (layers 6–7)

Five capabilities no stack sells you yet: budget to build them

1. In-channel human approval of agent actions
2. Semantic layer of business definitions
3. Audit trail mapped to regulatory evidence
4. Cost attribution per agent and use case
5. Cross-vendor agent inventory and kill switch

Coverage of all 28 capabilities



Method: 4 capabilities per layer, scored 0/1/2 per stack from vendor documentation and release notes (15 Nov 2026). Expert judgement, not a benchmark. Full data: conceptualise.de/blog/enterprise-agent-platform-reference-architecture-2027

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