Agent Framework Decision - Cheat Sheet

Fora Soft Learn - AI for Video Engineering

1 - The three frameworks

LangGraph	Low-level control runtime (graph of nodes + edges; durable state, persistence). LangChain is the fast high-level layer on top - create_agent runs on it. Both v1.0 (Oct 2025).
CrewAI	Role-based 'crew' of agents that collaborate. 'Flows' mode adds deterministic, auditable pipelines. Independent Python framework; per-execution pricing; AMP Cloud.
AutoGen	Now Microsoft Agent Framework (AutoGen + Semantic Kernel merged; 1.0 GA Apr 2026; Python + .NET). Old AutoGen is in maintenance mode. Natural fit for Azure / .NET shops.

2 - The 2025-2026 shift (read this first)

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LangChain & LangGraph  ->  v1.0 (Oct 22, 2025); no breaking changes until 2.0
AutoGen + Semantic Kernel  ->  Microsoft Agent Framework, 1.0 GA Apr 3, 2026
Old AutoGen / Semantic Kernel  ->  maintenance mode (fixes only, no new features)
CrewAI  ->  added Flows (deterministic) + AMP Cloud platform on top of crews
Rule: if a comparison predates Oct 2025, distrust its version-specific claims
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3 - Head-to-head (a starting filter, not a verdict)

	LangGraph(+LangChain)	CrewAI	MS Agent Framework
Mental model	graph of steps	team of roles	agents + workflows
Best at	reliable long flows	multi-agent teams	Azure / .NET shops
Language	Python, JavaScript	Python	Python, .NET
Pick it when	you need control	you think in roles	you live in Azure

4 - What it costs (the pricing UNIT differs - map your usage first)

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LangGraph Platform / LangSmith  free dev tier; Plus ~$49/mo/seat; enterprise custom
CrewAI                          per EXECUTION; ~50 free/mo; Pro ~$25/mo; ent. custom
MS Agent Framework              free open-source; you pay for Azure when hosted
Reminder  map runs/day x days x sites onto the pricing unit BEFORE you commit
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5 - How to choose: shape of work first, then team + cloud

- [ ] One open-ended loop, a few tools? LangChain create_agent (Mastra for TypeScript).
- [ ] Several specialists that collaborate? CrewAI crews.
- [ ] Long-running, branching, human approvals, must resume? LangGraph.
- [ ] .NET + Azure shop -> Microsoft Agent Framework; Google Cloud -> Google ADK.
- [ ] Start with ONE agent; add more only when one measurably cannot do the job.
- [ ] No single best framework - the convergence means a sane choice today rarely traps you.

www.forasoft.com/learn/ai-for-video-engineering/articles-ai/langgraph-vs-crewai-vs-autogen-agent-frameworks