Agentic AI:
Accelerating AI Time-to-Value

Agenda

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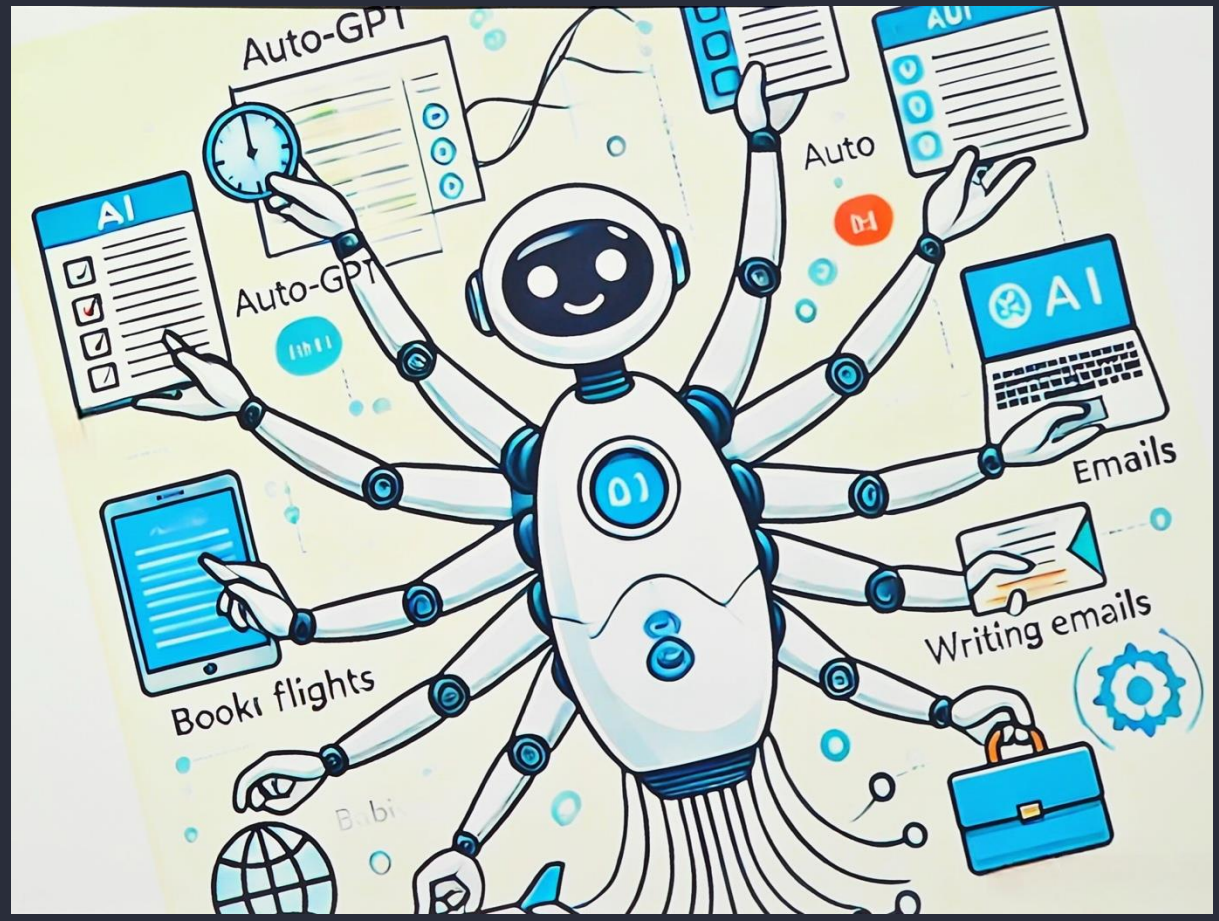
03	Building AI Agents
04	Agentic AI Use Cases
05	Demo



What is Agentic AI?

"By 2028, 33% of enterprise software applications will include Agentic AI, up from less than 1% in 2024, with at least 15% of day-to-day work decisions being made autonomously through AI agents."

Source: Gartner, "AI Agents: Powering New Business Models"

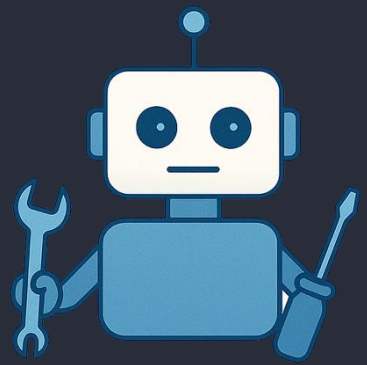
What is Agentic AI?

What is Agentic AI?

AI Agents vs. Agentic AI

AI Agents

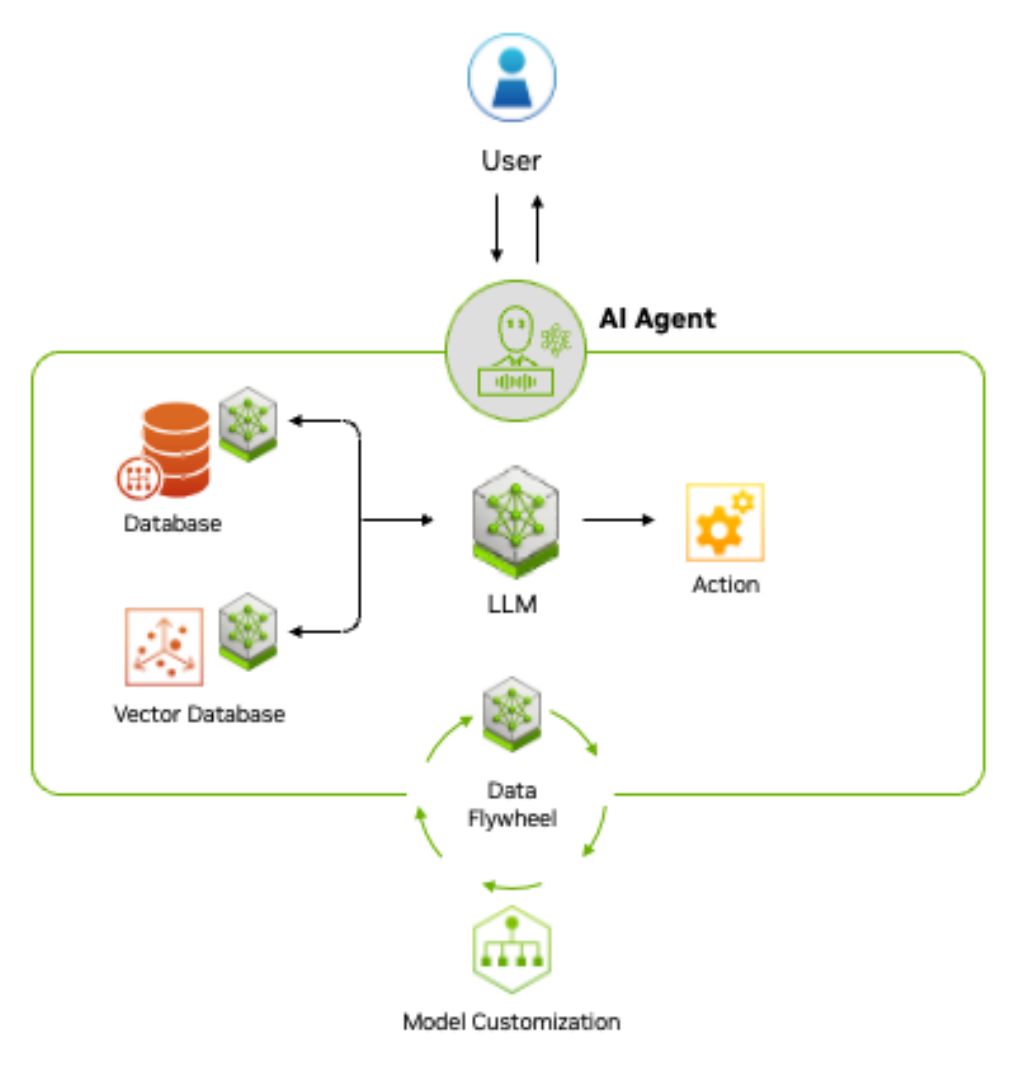
- ✓ Perform specific task(s) on demand
- ✓ Follow prescribed or implied steps
- ✓ Use set of narrowly focused tools
- ✓ Focus on a specific objective
- ✓ Learning is structured and iterative



Agentic AI

- ✓ Partly or even fully autonomous
- ✓ Uses reasoning to make choices
- ✓ Uses the right tool(s) for the job
- ✓ Goals vague or initially undefined
- ✓ Learning is fluid and continuous

How does Agentic AI work?



Agentic AI uses a four-step process for problem-solving:

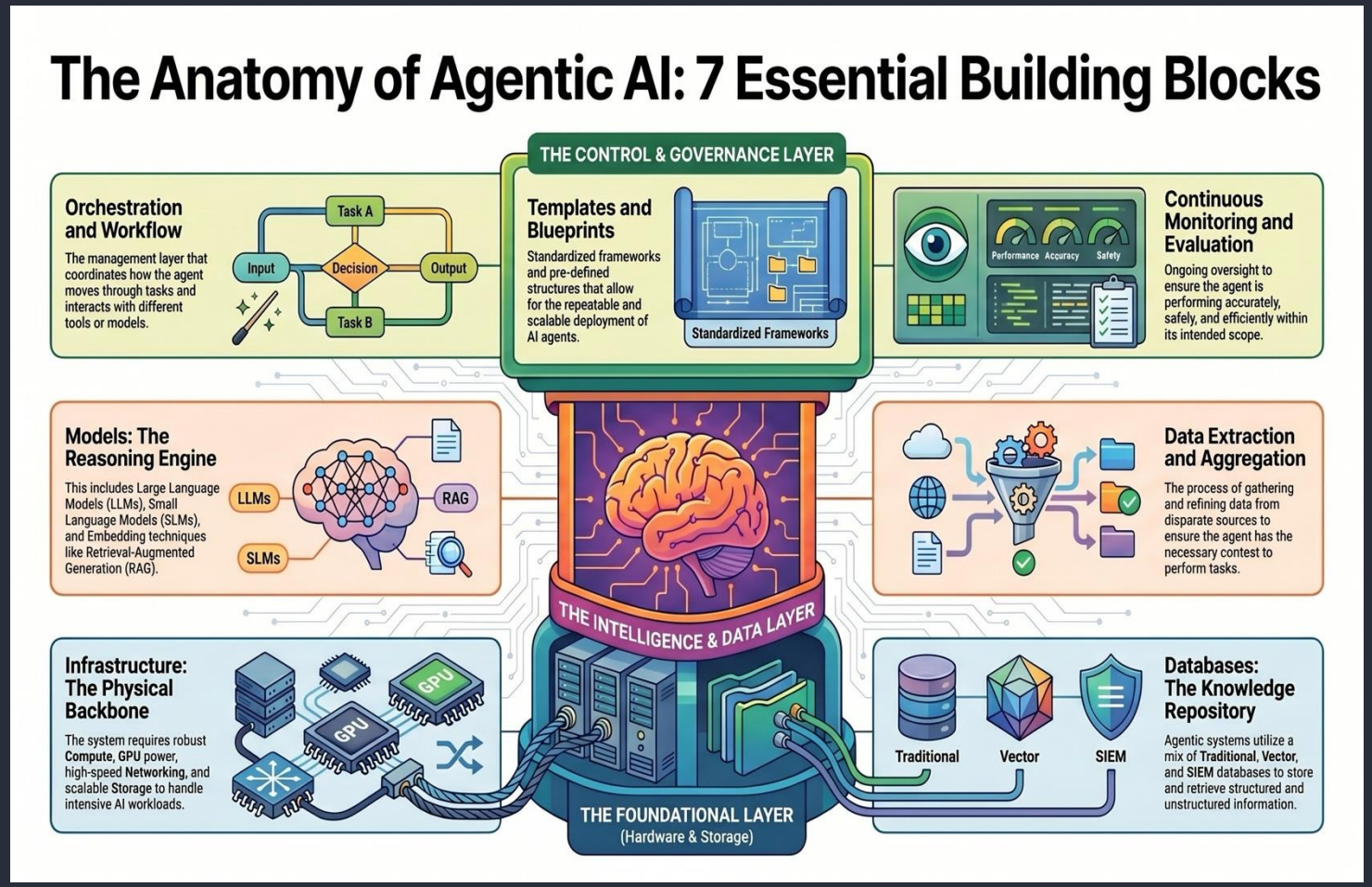
1. **Perceive**: AI agents gather and process data from various sources, such as sensors, databases and digital interfaces.
2. **Reason**: A large language model acts as the orchestrator, or reasoning engine, that understands tasks, generates solutions and coordinates specialized models.
3. **Act**: By integrating with external tools and software via application programming interfaces, agentic AI can quickly execute tasks based on the plans it has formulated.
4. **Learn**: Agentic AI continuously improves through a feedback loop, or "data flywheel," where the data generated from its interactions is fed into the system to enhance models.

Source: NVIDIA

How does Agentic AI work?

Agentic AI Building Blocks

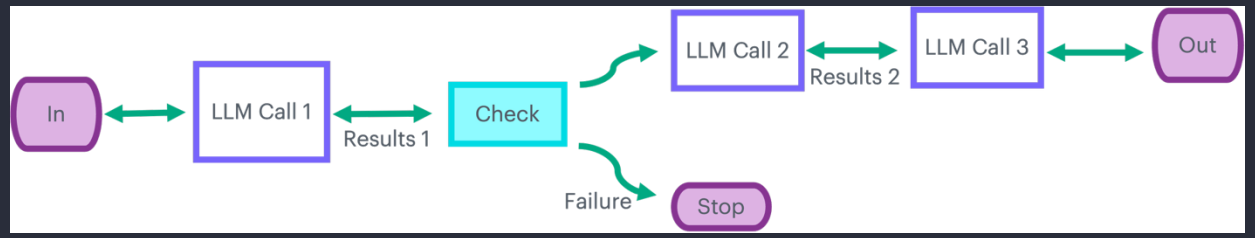
- ✓ Infrastructure – Compute, GPU, Networking, Storage
- ✓ Models – LLMs, SLMs, Embedding (RAG, et al)
- ✓ Continuous Monitoring and Evaluation
- ✓ Orchestration and Workflow
- ✓ Templates / Blueprints
- ✓ Data Extraction and Aggregation
- ✓ Databases – Traditional, Vector, SIEM, etc.



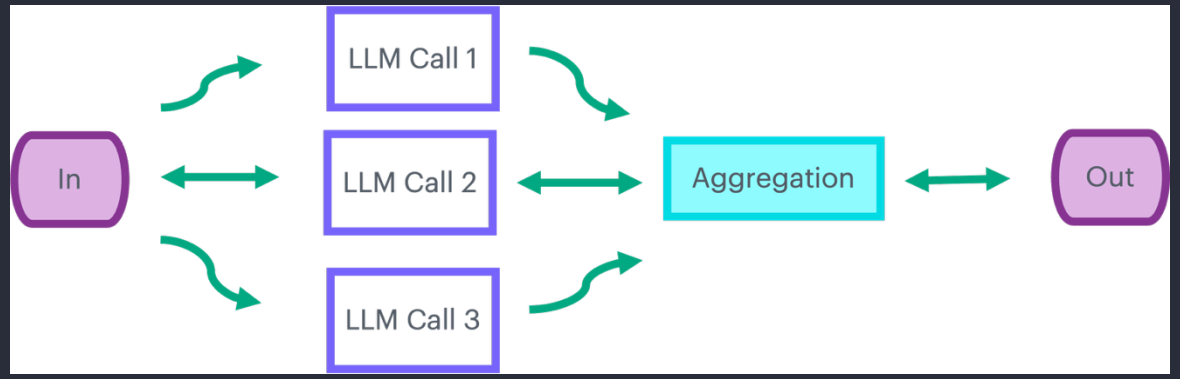
Building AI Agents

Agentic AI Workflows

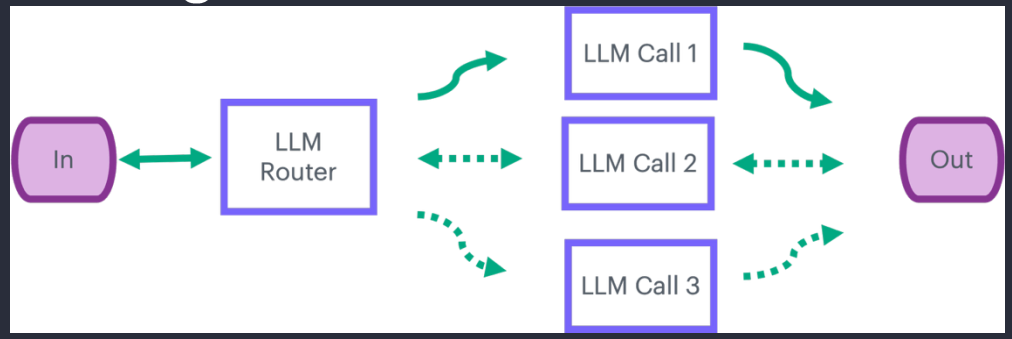
Prompt Chaining



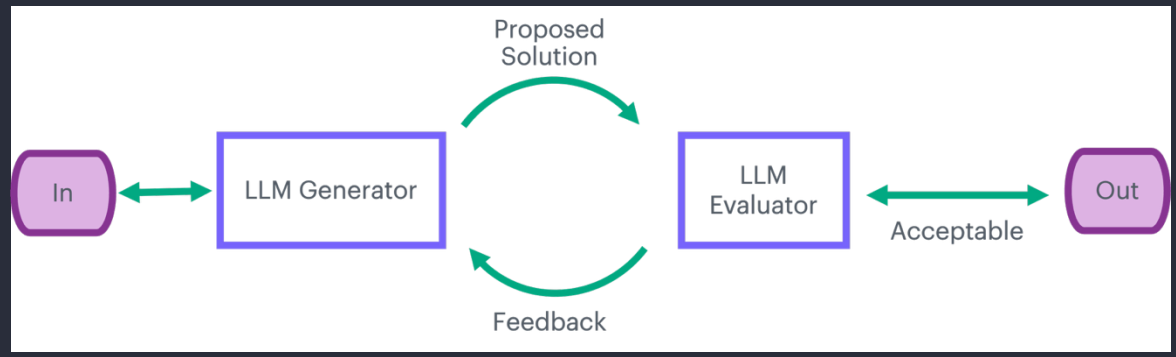
Parallelization



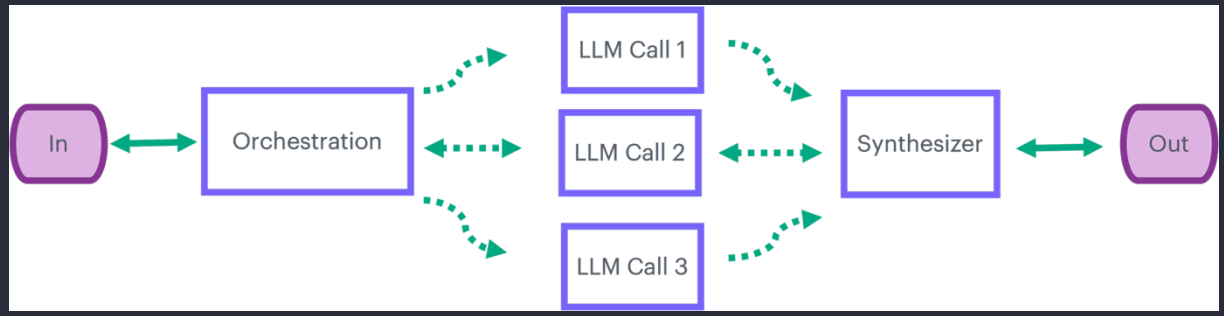
Routing



Self Feed Evaluator



Orchestrate Workers

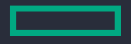


Agentic AI Use Case Examples

- Customer Service
  - Self service – open-ended
  - Automating communications
- Sales and Marketing
  - Personalized marketing content creation
  - Ad hoc interaction based on location or timing
- Software Engineering
  - Vibe coding
  - Script generation
  - Automated documentation
  - AI for AI – validate AI output for accuracy and compliance
- Healthcare
  - Analyzing complex, multi-source patient data
  - Automating routine tasks (clinical notes, patient comms., treatment plans, etc.)
- Video Analytics
  - Analyze disparate sources
  - Enable video search with natural language
  - Better autonomous driving
- IT Service Management
  - AI for networking
  - Problem detection and remediation
  - Automated monitoring and ticket creation
- Security Operations
  - Threat detection
  - Incident response
  - Vulnerability assessment
  - Compliance enforcement

PLUS

- HR, FinOps, Supply Chain, and more…



Thank You