Agentic AI Infra
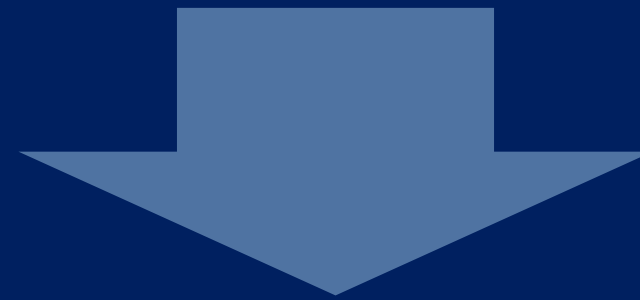
1. Agentic AI 核心技术创新
2. Compunding Intelligence
3. Agentic Composability
4. Infra Mapping
5. Agent OS， ADE
6. Agent Application Model
7. Agentic Intelligence的特征
8. 开发技术栈 （开源）
9. Agent OS 项目介绍
10. 工具介绍
11. 未来趋势

Agentic AI: Compounded Intelligence

LLM Intelligence = Compute X Data X Parameters

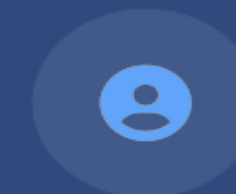**Agentic Intelligence = (| LLM | + | Tools | + | Data | + | Persona |) ! = N!**

Context

| LLM |
Foundation Model

| Tools |
Function Calling

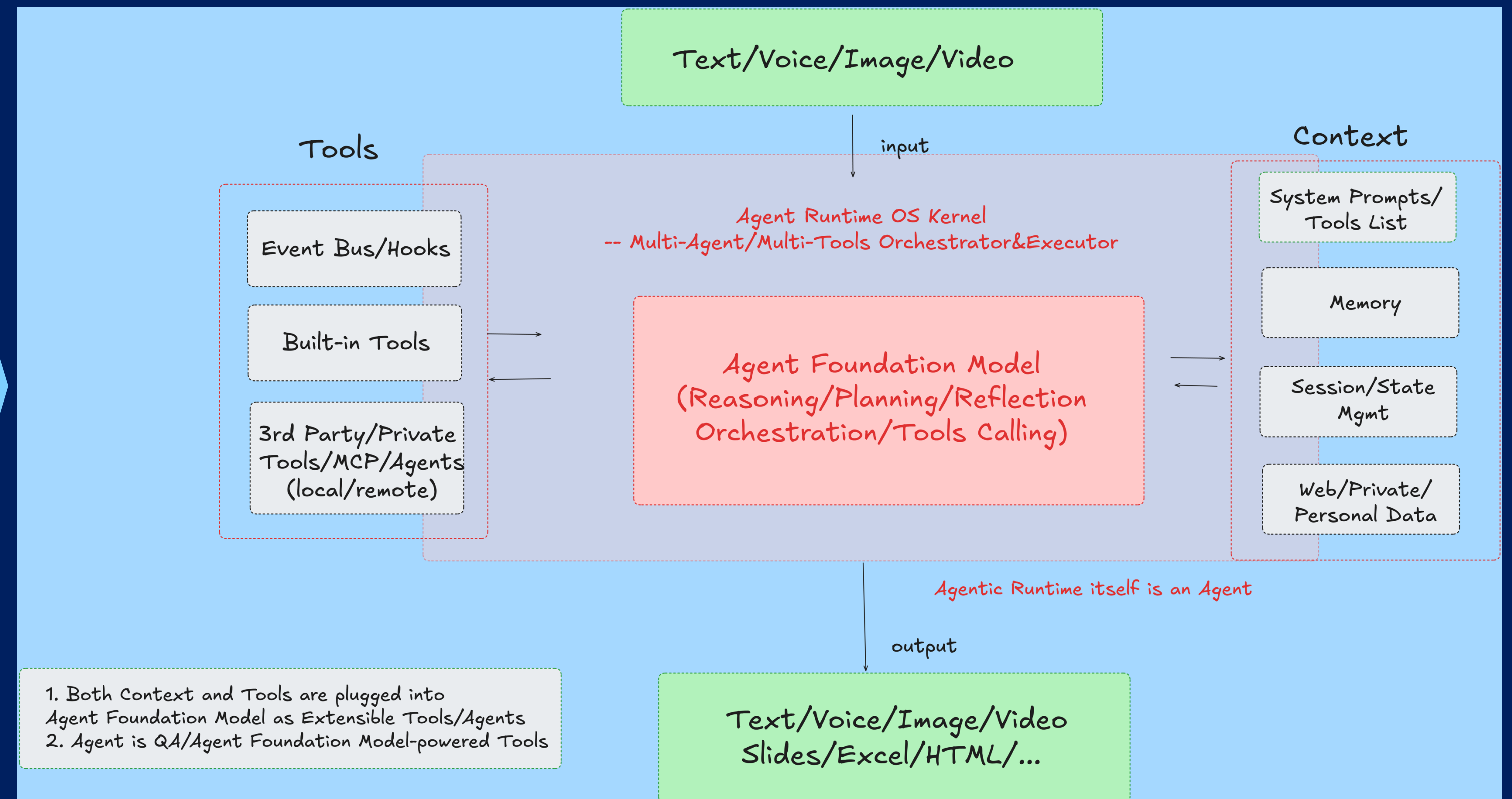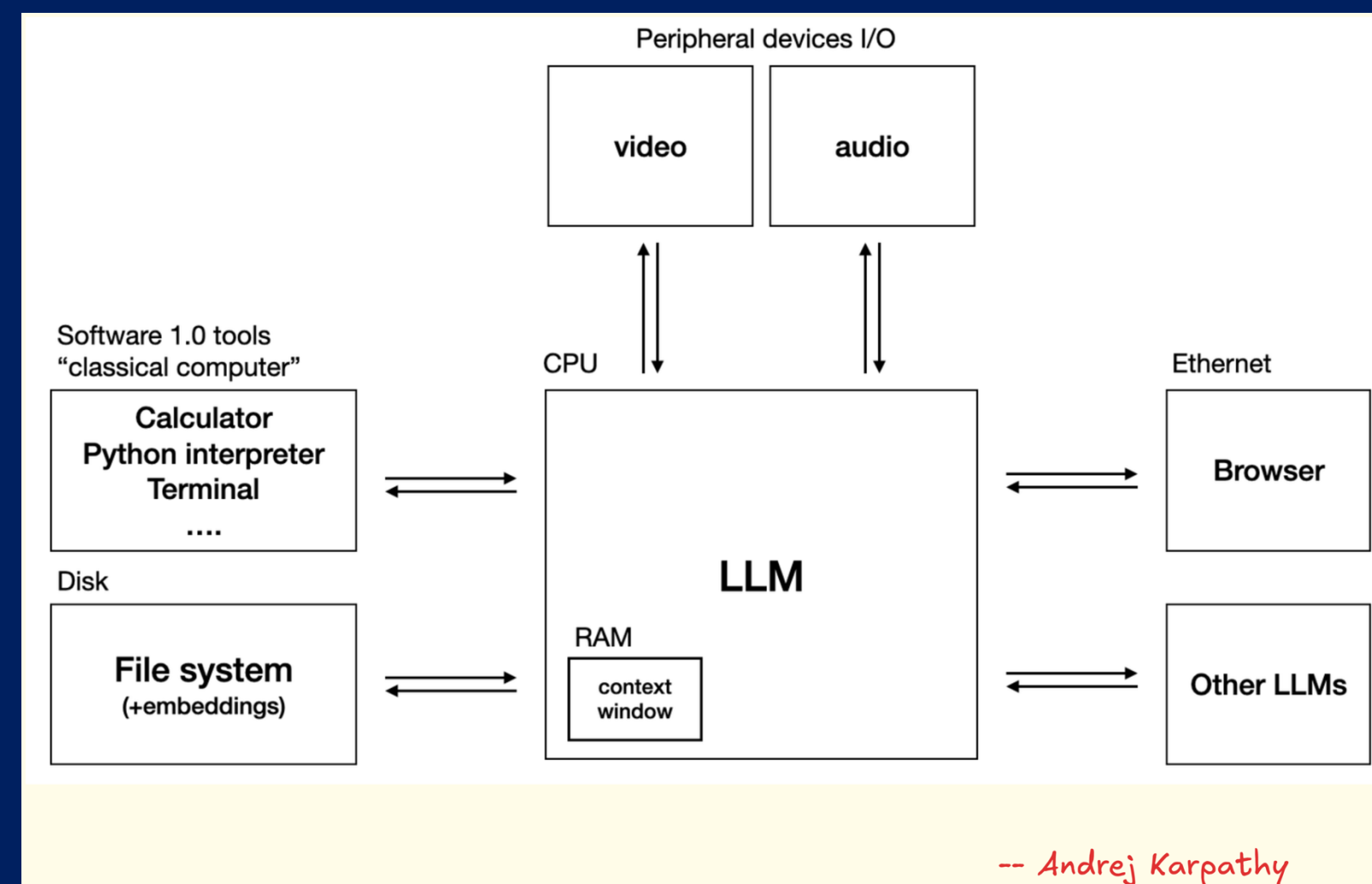| Data |
Public/Private /Contextual Data

| Persona |
Personal Mem/Preference

where N = the Totality of Intelligence Dimensions

Agent Stack and Agentic App Dev Paradigm

1

Embrace Solopreneurship

拥抱独立创业

2

Target Agentic Workforce, Not Tools

瞄准劳动力市场

3

Own the Business, Not Just Enable

拥有业务,不仅赋能

4

Exercise Your Comparative Advantages

发挥比较优势

5

Operate Agent-Natively

开启原生AI化
公司运营模式

6

Master the Agentic Tech Stack

掌握Agent技术栈

7

Execute at Lightning Speed

闪电速度执行

8

Master Full-Stack Operation

精通全栈经营

9

Monetize Fast

快速变现

10

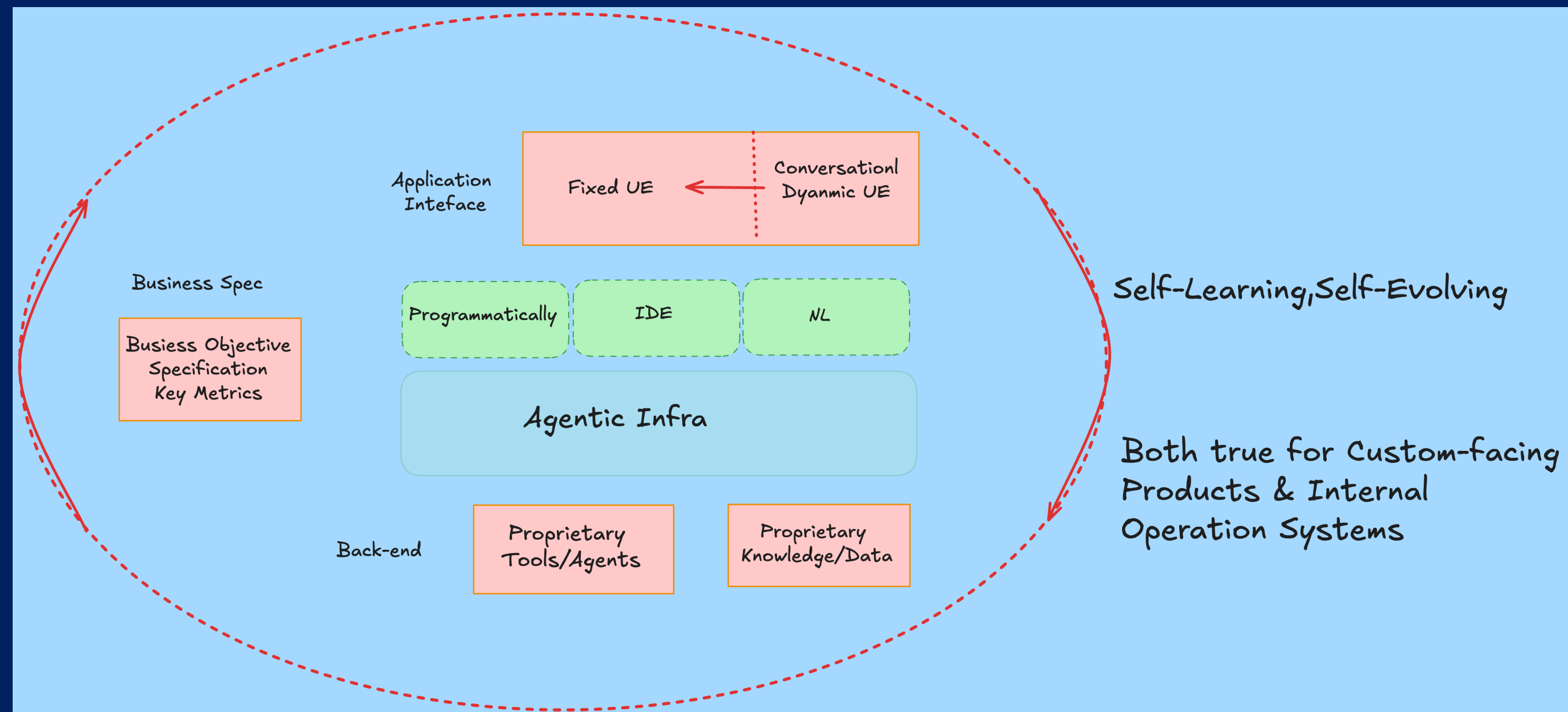Align Strategy and Execution

战略对齐快速迭代

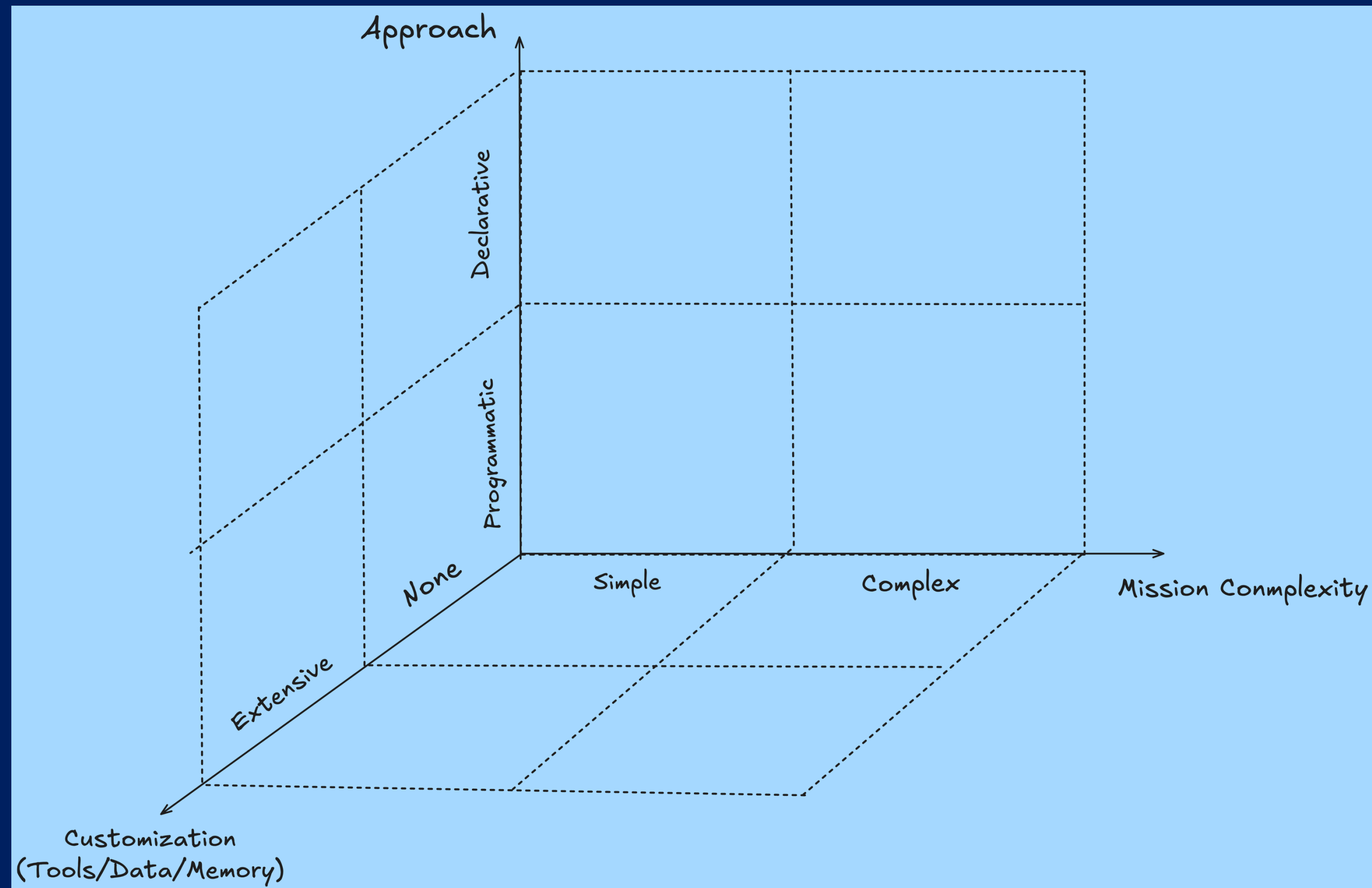# Agent Infra (OS Kernel) — Compounded Intelligence Enabler

- Uniform, Recursive, Extensible; Unix/Linux Command-Line–Like

- Composability: Tools, Context, Subagents

- Powered by LLM / Agentic AI

Agentic Application Model: Towards New Paradigm

- Spec-Driven (Structured Prompts) Declarative Development

- Business Spec and Adaptive UI

- Back End: Proprietary and Public Tools/Agents/Context/Data

- Continuously Learning and Evolving System through Reinforcement Learning Autopilot
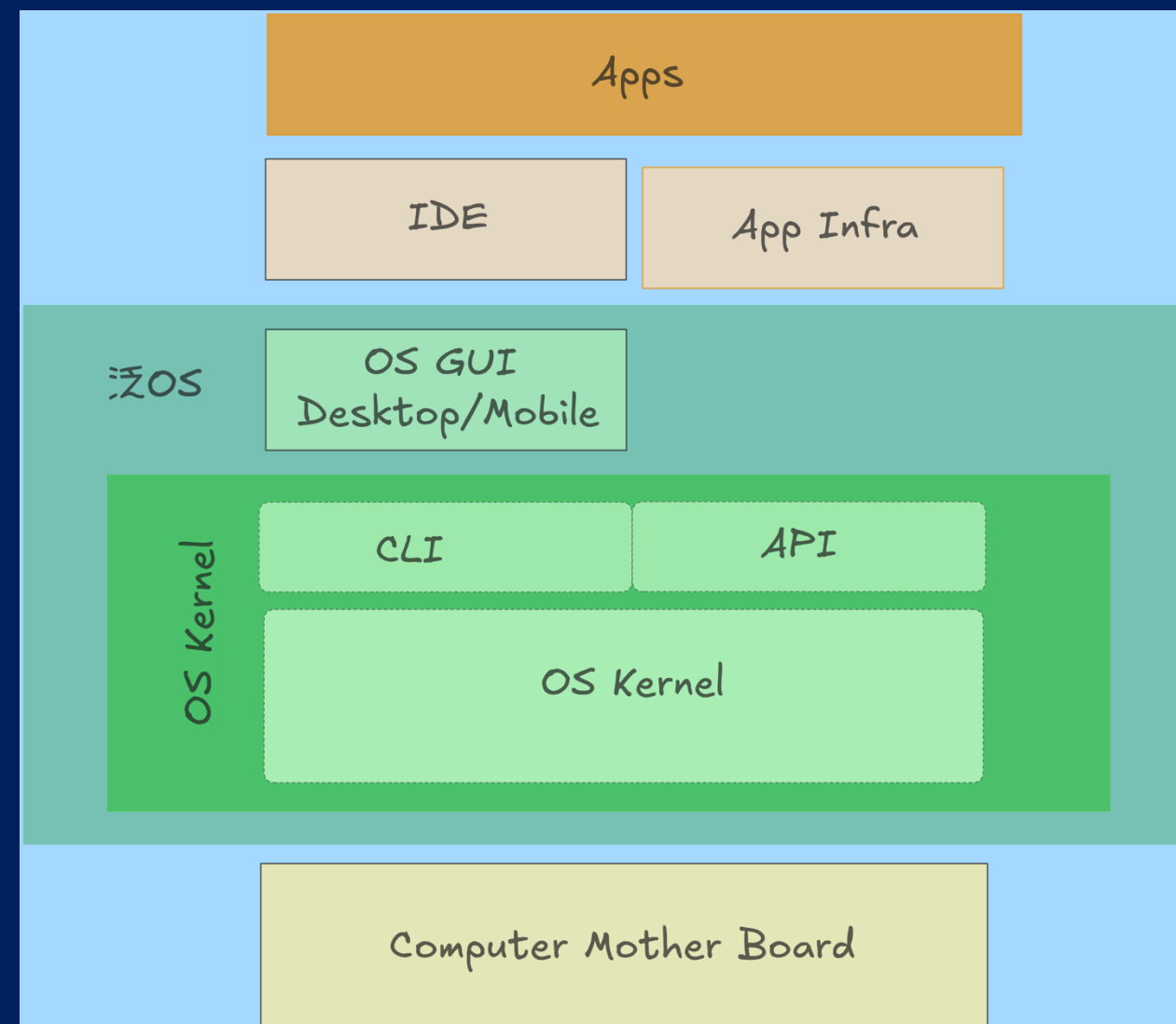
Agentic AI Apps: Categorization and Evolution

- Serious Agentic Apps
  - ✓ Programmatic/Complex/Extensive
- Light Weight Agent App
  - ✓ Declarative/Simple/None
- Static

Future

- Serious Agentic Apps
  - ✓ Declarative/Complex/Extensive
- Light Weight Agent Apps
  - ✓ Declarative/Simple/Extensive
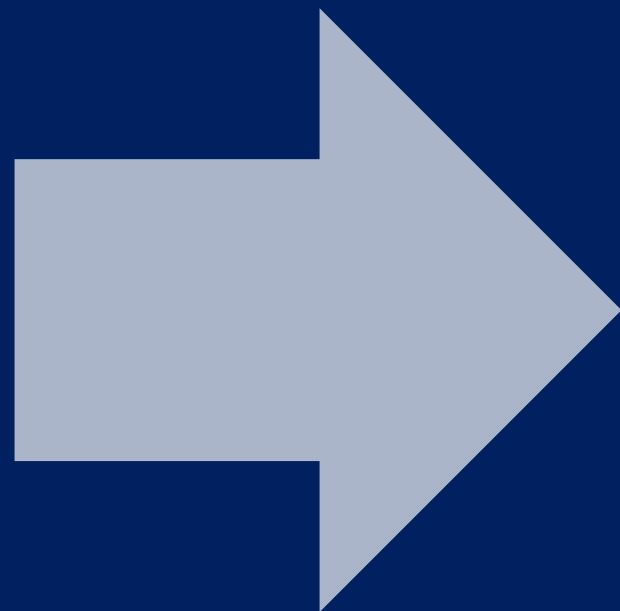- Dynamic, Disposable

Claude Code — More Than a Coding Agent

- Platform for any Agentic Application Runtime

- Agentic AI App Framework

- Agent OS Kernel

- UI Interaction (CLI, Chrome Extension, More to Come)
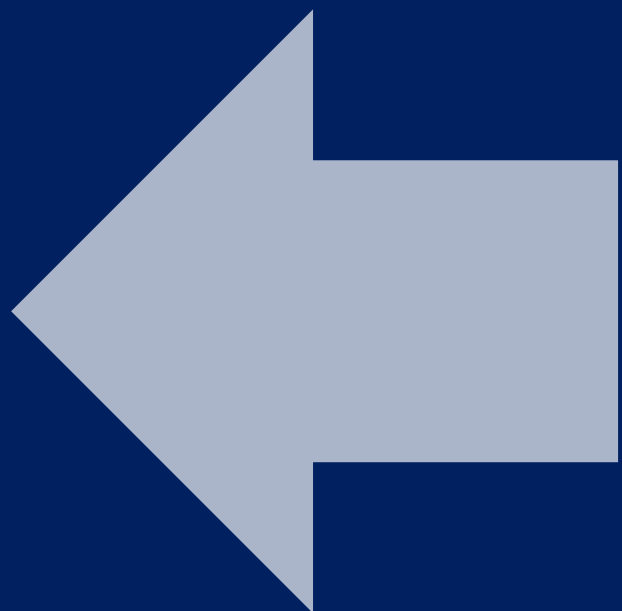
- Runnable Agents Spec, and OS Agnostic(agents.md)

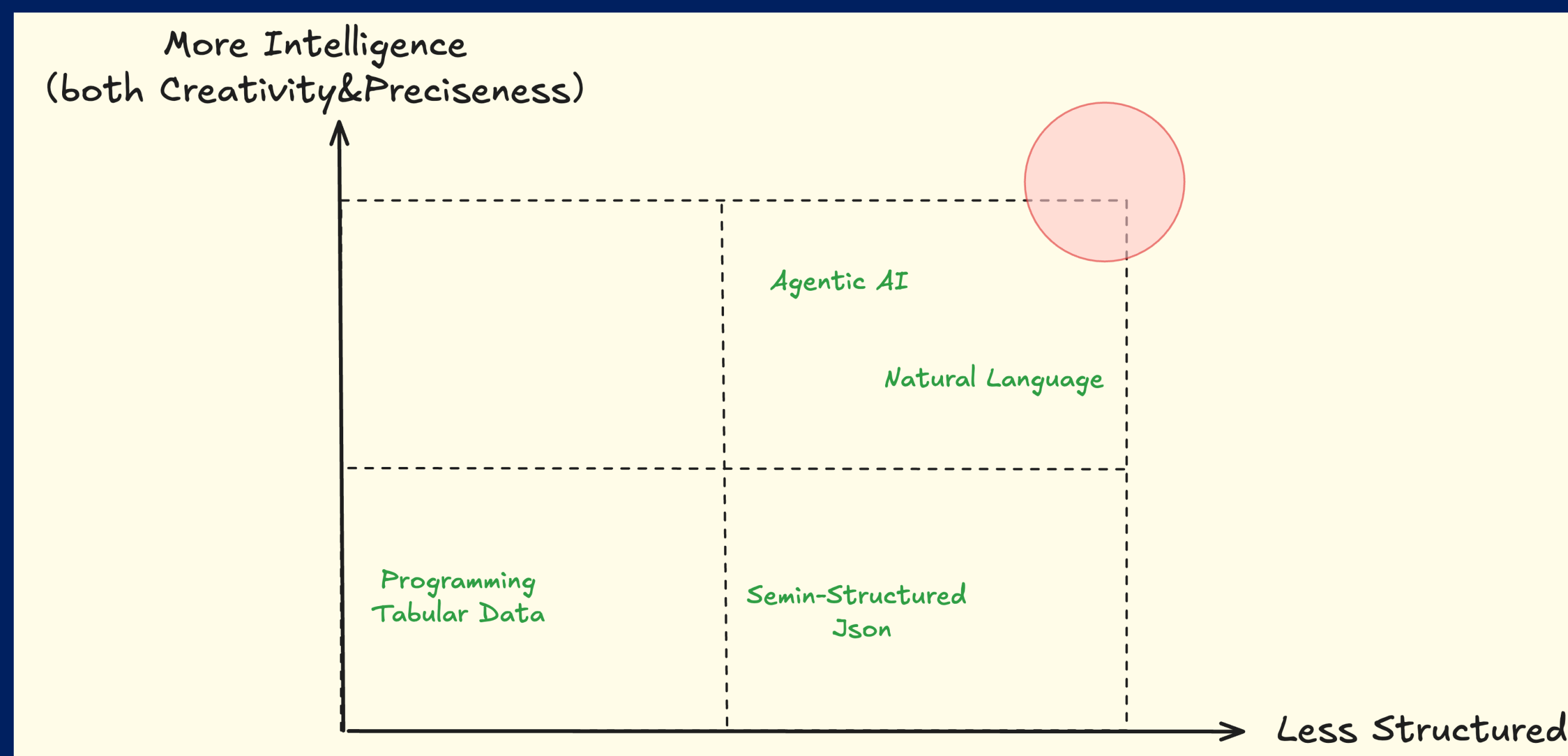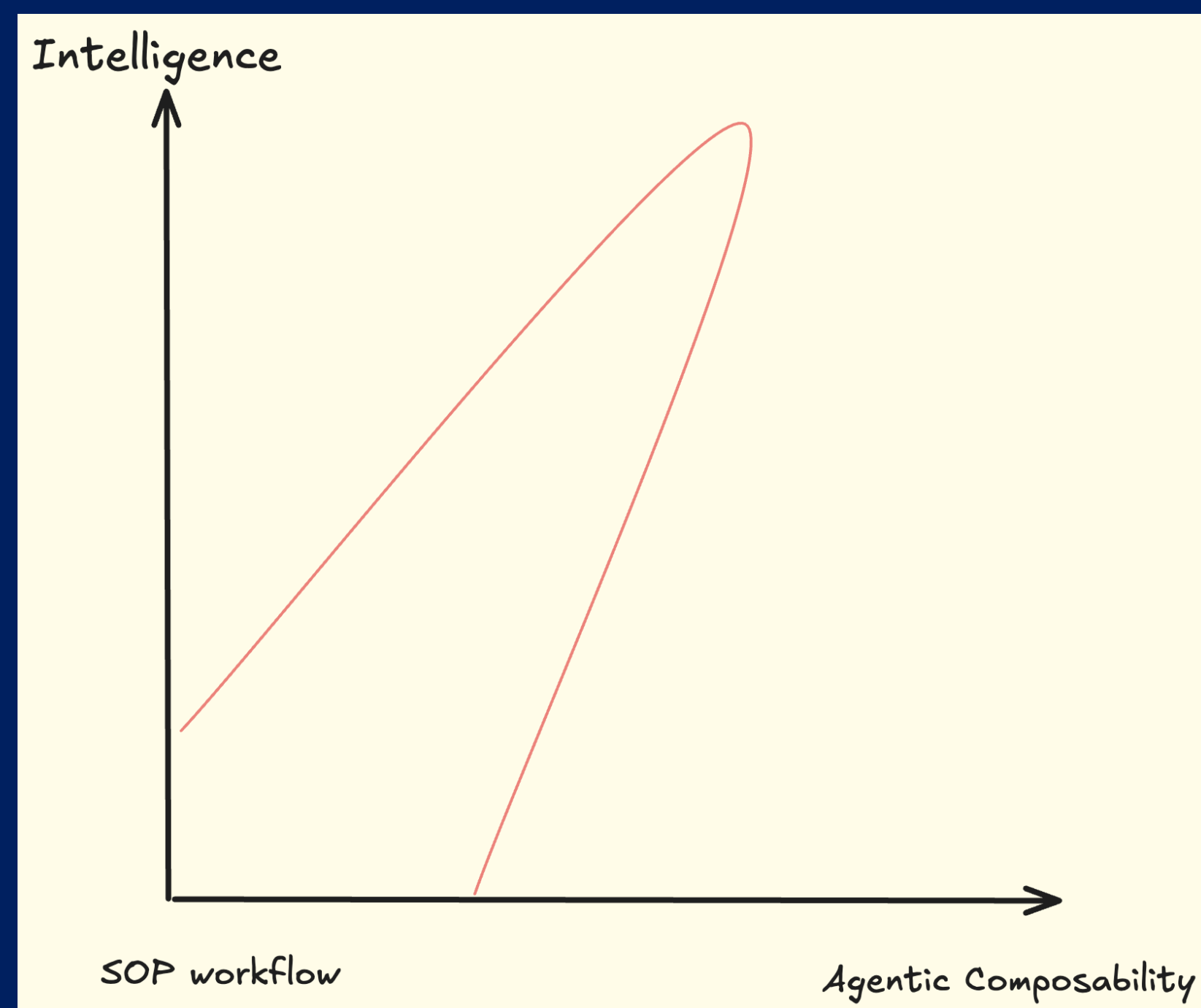# The New Agent Stack – Enabling Compounded Intelligence

Incremental Evolution

Agentic, Generative AI Disruption

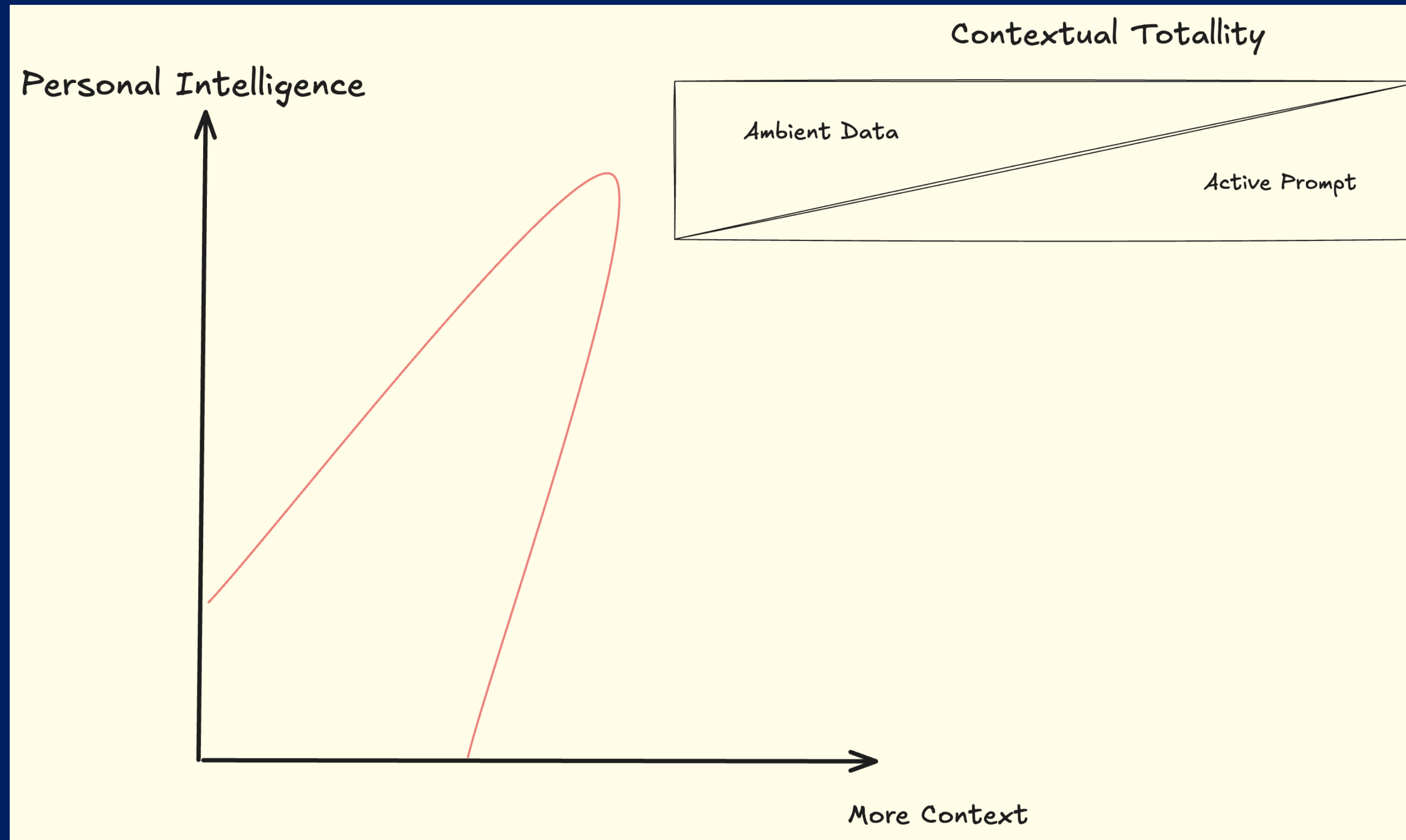| Category	Subcategory	Now	Agentic App
Requirement		PRD	Capability Manifest: Agent.md, Agent Impl Spec.md
UI	Web UI	GUI	Conversational, Multimodal, Adaptive UI, Generative Interface
	Framework	React/Tailwind CSS/Next.js	
		IDE/Manual CICD	1. Agentic ADE, Agentic Dev Models, 2. Prompt Eng 3. S
CI/CD		Manual, CI/CD Tools	Agentic CI/CD: RL for Continuous Improvement, Synthetic Data Gen, Evaluation
Distributed System		WSDL, Web Services,	A2A
Backend	Interface	OpenAPI, WSDL	Agents.md/MCP/A2A, headless Agents
	Busisiness LogicOrchestration	BPEL	Agent Impl Spec, Mix-of-Agents
	Services/Skills	Programatically, binary	Composable Agent Skills (Declarative + Programmatic)
	Tools		Computer Use/E2B, …
Data	interface	SQL/JDBC	Memory, Context,
	Data Storage	SQL/Semi-Structured DB	Unified Data Lake, Embedding, Vector DB
	App Framework	JDK/.NET	Agent Framework: LangGraph/autogen/CAMEL/Vendor ASDK
Seurity		OAuth	Agent Identity, Scoped Delegation, Capability Tokens (fine-grained permissions), Auditability & Observability (decision traceability)
OS		Linux/Windows/Andorid/iOS	Agent OS
Foundation Model		None	Various LFMs, Model Router, Mix-of-Models
Market palce		App/SaaS Marketplace	Agent/Tools(Skills,MCP) Marketplace
Deployment		Docker/K8s	Agent Mesh Deployment (serverless, swarm-like for agents)
Cloud		CPU cloud	Agent Cloud (context fabric, elastic memory/compute, fine-tuned runtime environments),

More Intelligence，But Less Structured

More Intelligence, More Ambient Data&Tools/Less Prompt

Full Spectrum Intelligence，Democratizing Activation