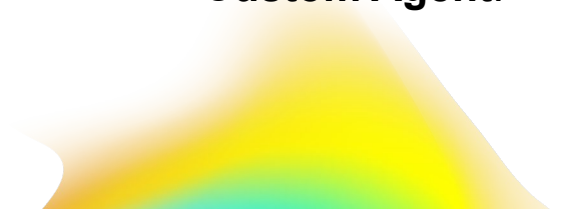
Agent Factory

"Welcome. We are entering the era of the 'Agent Factory.' While the industry talks about General Agents and Custom SDKs as separate trends, we are going to look at how they converge. As you'll see that **Code is the Universal Interface** that allows a General Agent to transform your knowledge into a deployed **Custom Skill or Custom Agent**."



Enterprise Architecture Shift

From SaaS Tools to Digital FTEs

Before: Tool-Centric Enterprise

- Humans operate SaaS tools
- Logic lives in people's heads
- Automation is brittle and task-level
- Knowledge is undocumented and unscalable

Humans → SaaS Apps → APIs → Data

After: Agent-Centric Enterprise

- Humans manage outcomes
- Logic lives in Specs & Skills
- Automation is goal-driven
- Knowledge is reusable IP

Humans → Digital FTEs (Agents) → Agent Skills (SKILL.md) + MCP → Enterprise Systems & Data

Key Shift:

From *tools you use* → digital *teammates you manage*

The Workflow

Concept: How the "Factory" works.

1. **The Spec:** You provide a Markdown file describing the goal (e.g., "Automate Q3 Financial Audits").
2. **The Builder (Claude Code):** Analyzes the spec, scans documentation (SDKs/APIs), and identifies the necessary tools.
3. **The Manufacturing:** Claude Code generates Custom Agent or the Custom `SKILL.md` and the supporting code.
4. **The Result:** A production-ready **Custom Agent** or **Custom Skill** is born in minutes.

The Engine of Automated Automation

General Agents (Claude Code) are the "Engine" that uses Spec-Driven Development to manufacture "Custom Skills" and "Custom Agents."

General Agent (Claude Code)

Generates Code for

Custom Skills.md and Supporting Code

Custom Agents Code (OpenAI Agents SDK, Claude Agents SDK)

Code: The Universal Interface

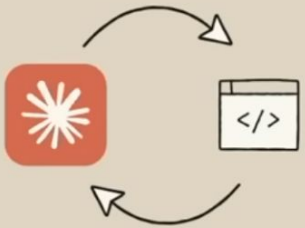
The Technical Engine (Code as the Universal Interface)

Concept: Why a General Agent can build a Custom Agent.

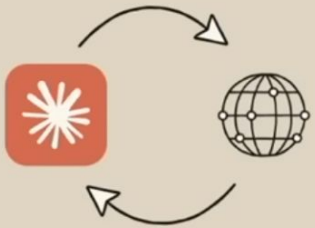
- **The Logic:** AI agents have transitioned from "Text Generators" to "Action Engines."
- **The Loop: Claude Code** operates in a **Read-Think-Code-Execute** loop.
- **The Outcome:** Because Code is the universal interface, the General Agent can "write" the instructions (`SKILL.md`) or the Python code (OpenAI/Claude SDK) **required for any business use case—from data analytics to document processing**.

How we used to think about agents

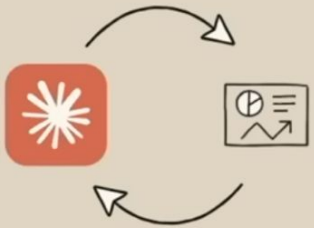
Coding Agent



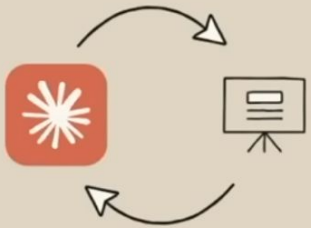
Research Agent



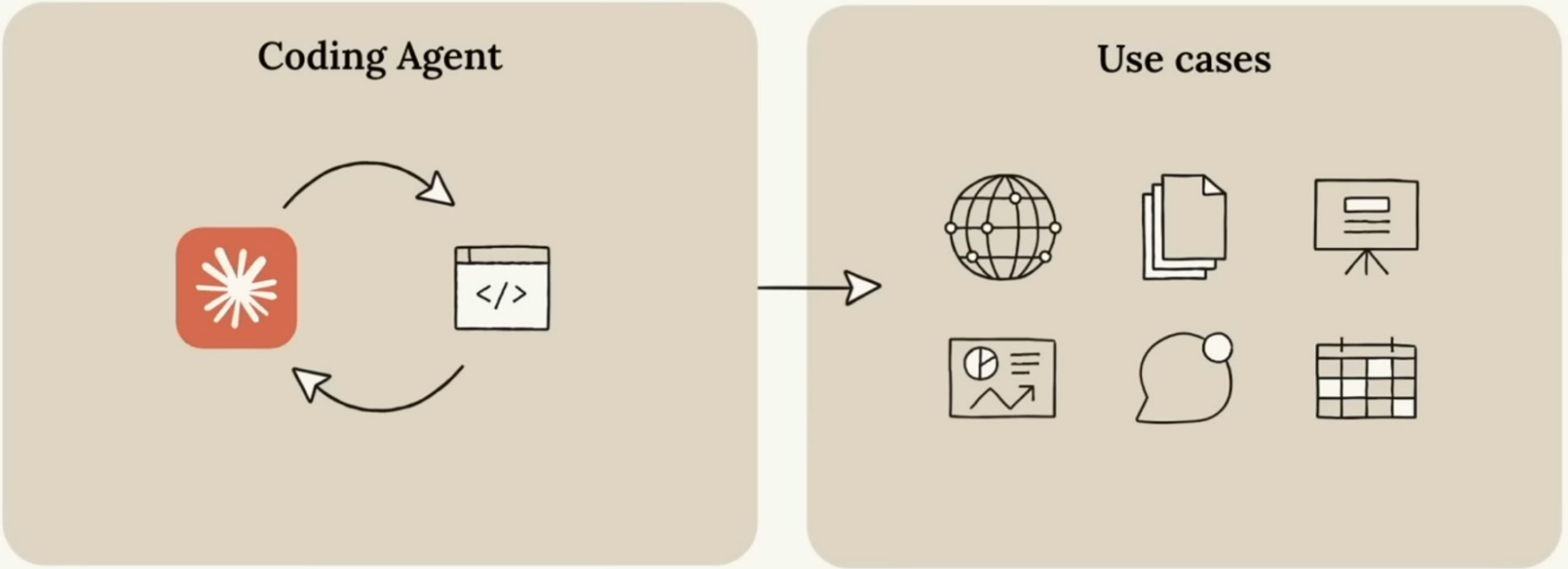
Finance Agent



Marketing Agent



Code is the universal interface



General Agent
PYTHON (OpenAI/Claude SDK)
SKILL.md (Instructions)
UNIVERSAL INTERFACE (CODE)
DATA ANALYTICS
DOCUMENT PROCESSING
CRM
FINANCE
HR
SUPPLY CHAIN
FINANCE

What are Agent Skills?

Skills are **organized collections of files** that package **composable procedural knowledge** for agents

Here Trinity (Agent) in Matrix Movie is learning / loading B-212 Helicopter Flying program (Skill, predefined reusable intelligence) in its context, when required.

Skills are just folders

```
anthropic_brand/
    ├ SKILL.md
    ├ docs.md
    ├ slide-decks.md
    └ apply_template.py
```