



合 动与多 体协同 肆 可 、 可展 全 动 发平台

协同 主代 与 度 合

Devin

OpenHands

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AgentOrchestra

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ReAct Reason+Act

AgentArch

35.3%

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“ ” “ ”

2 3

TLA+ Z PAT

“ ” “ ” 2

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TLC

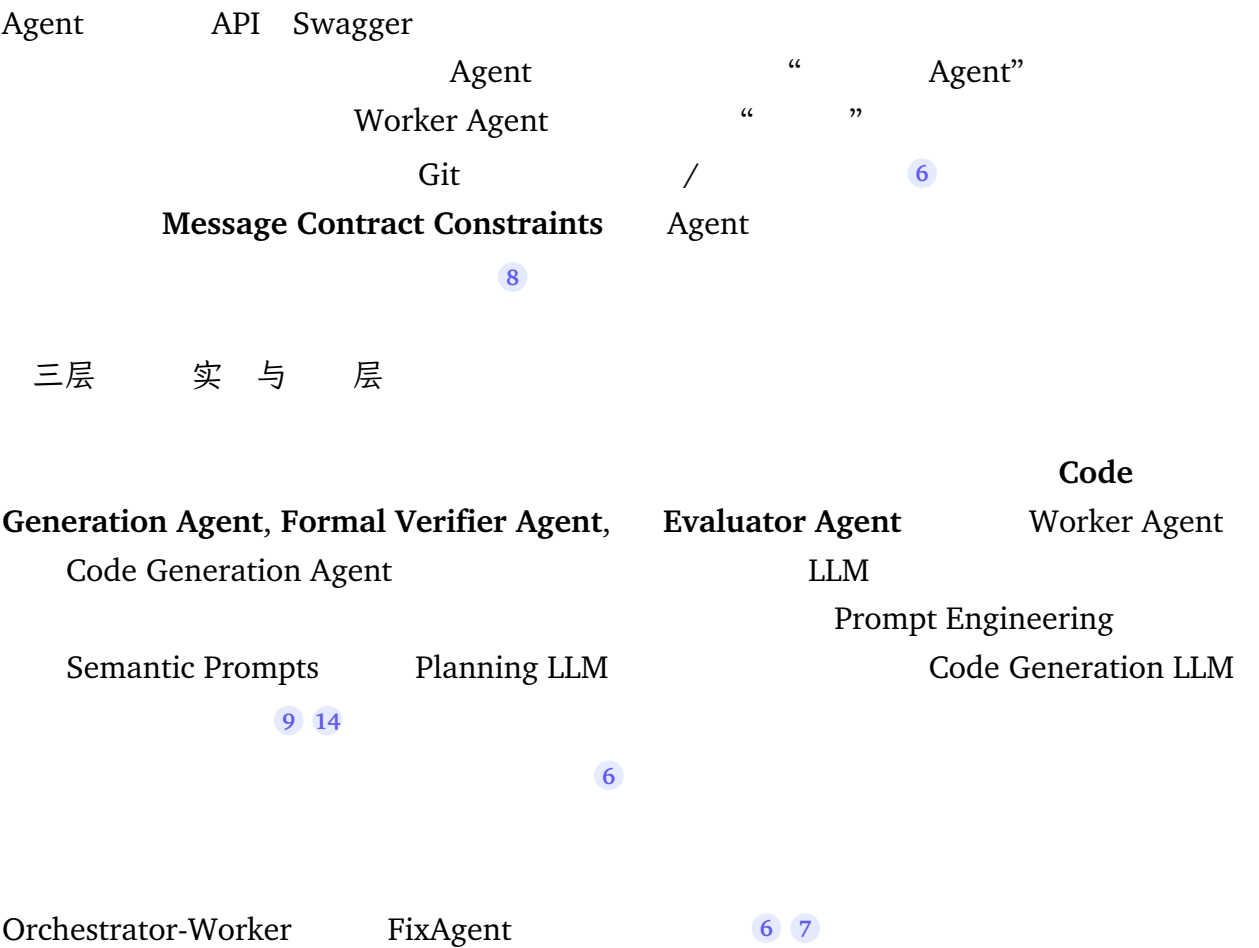
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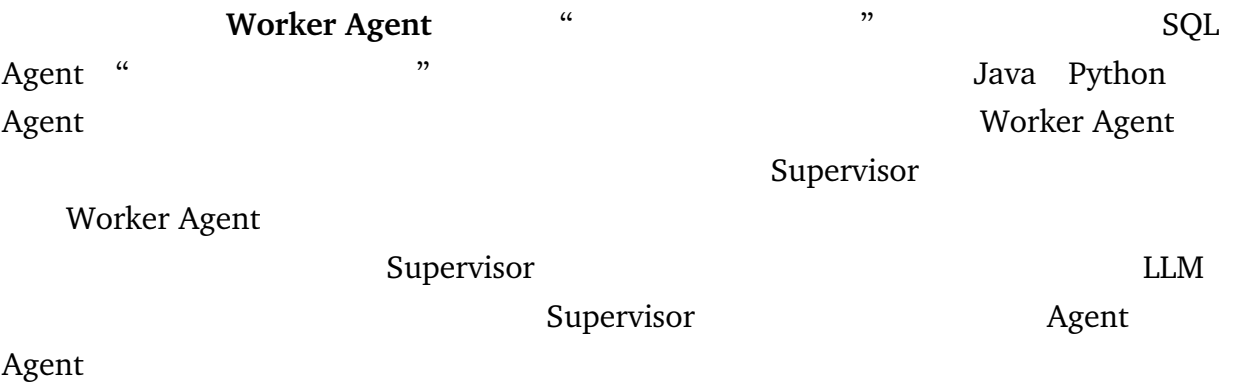
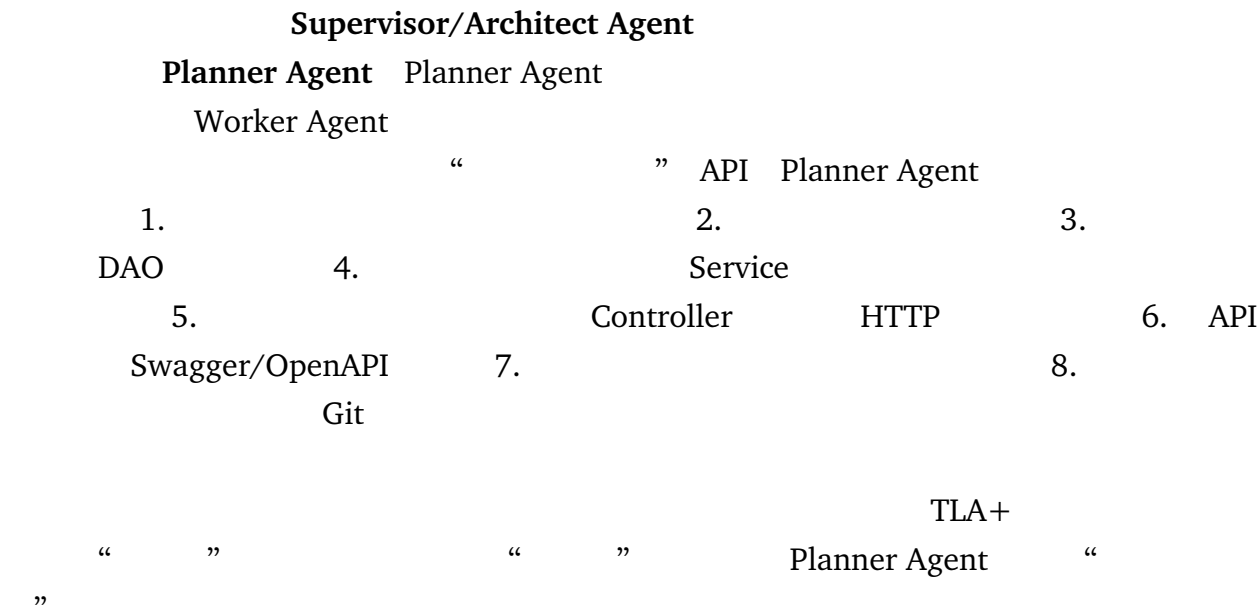
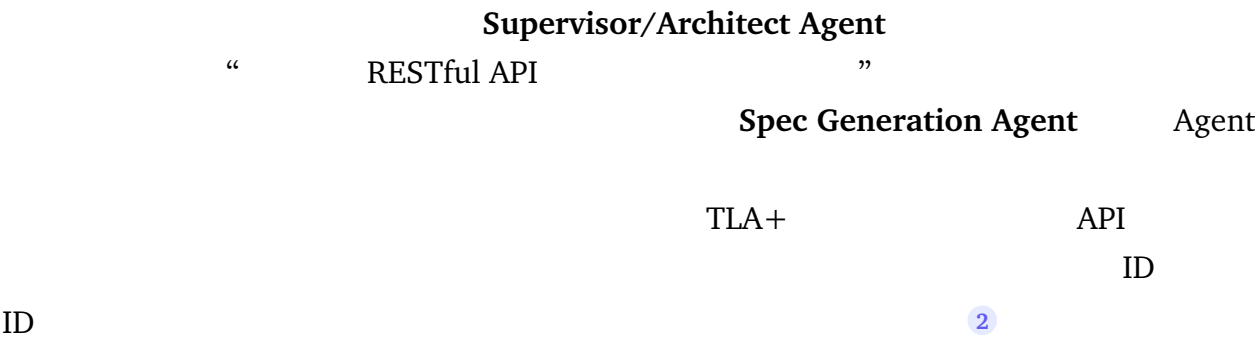
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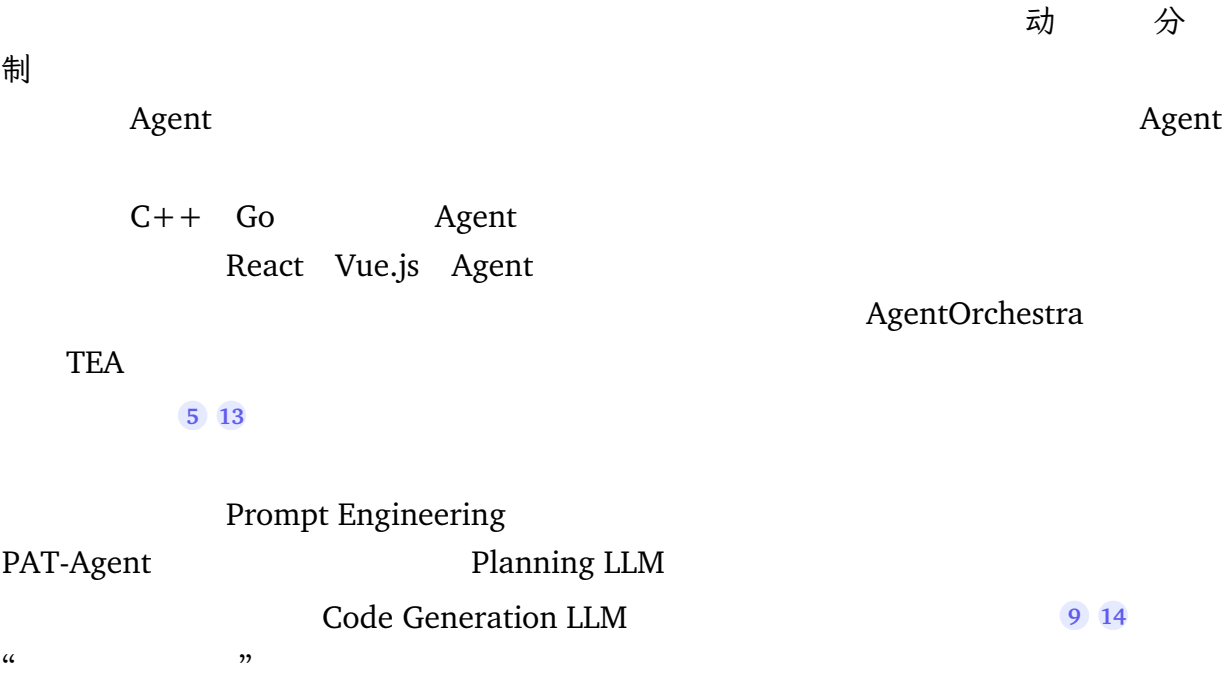
层	(体)	主 功	关 /
划与层	Supervisor/Architect Agent		7 AgentOrchestra 5
分与层	Planner Agent, Specialized Worker Agents		13 TEA 5 8
实与层	Code Generation Agent, Formal Verifier Agent, Evaluator Agent		2 1

任务分 与 划 从 到 可 划 化



代 与 保 动 分 与多 估

LLM



多 度 估体

- 1. 估
- 2. 安全 估 SAST
- SQL
- 3. 估
- Formal Verifier Agent
- TLC Model Checker
- TLA+ Safety
- Liveness 2 “ ”
- “ ”
- 4. 代 与 估 Prettier, ESLint

自动化对 与决 基于 一 优代

Agent LLM

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Agent

估 度	估	工具/
一 (Correctness)		TLA+ TLC 2
(Performance)		
安全 (Security)		SAST (SonarQube) 6
(Maintainability)		ESLint/Prettier, 12 16

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Evaluator Agent

1

ModelWisdom
TLC
Formal Verifier Agent
LLM
Agent
“ - - ”

优势与 向 层 件 动化

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“ ”
Worker Agent 可展

LLM
Worker Agent
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Agent
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代 度

多 体协作
ReAct

AgentArch

4

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