

“SuperAGI x Jarvis AI”

Unlimited Possibilities for Autonomous Agents

Team members

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[presentation video is here](#)

What problem do we solve

Autonomous agent can do:

- Operate without constant human oversight
- Optimal decision-making leads to time and cost savings
- Adaptive learning
- Extremely scalable, with other agents

But ...

- Uncertainty about the decisions and executions for complex tasks
- Previously generated executions cannot be saved and reused
- Tools/capabilities are limited

About Jarvis AI

Jarvis, a lightweight virtual machine system designed for AI native, which changes the way user tasks are approached and accomplished.

Core Features:

Natural Programming Syntax

- A unique YAML-based syntax for Jarvis which incorporates instructions like 'If', 'Loop', and more.
- Use variables to pass context to greatly improve flexibility.
- Simple syntax, like low code.

Top-down task breakdown with generative AI Model

- Divide and conquer
- Static reasoning and self-criticism

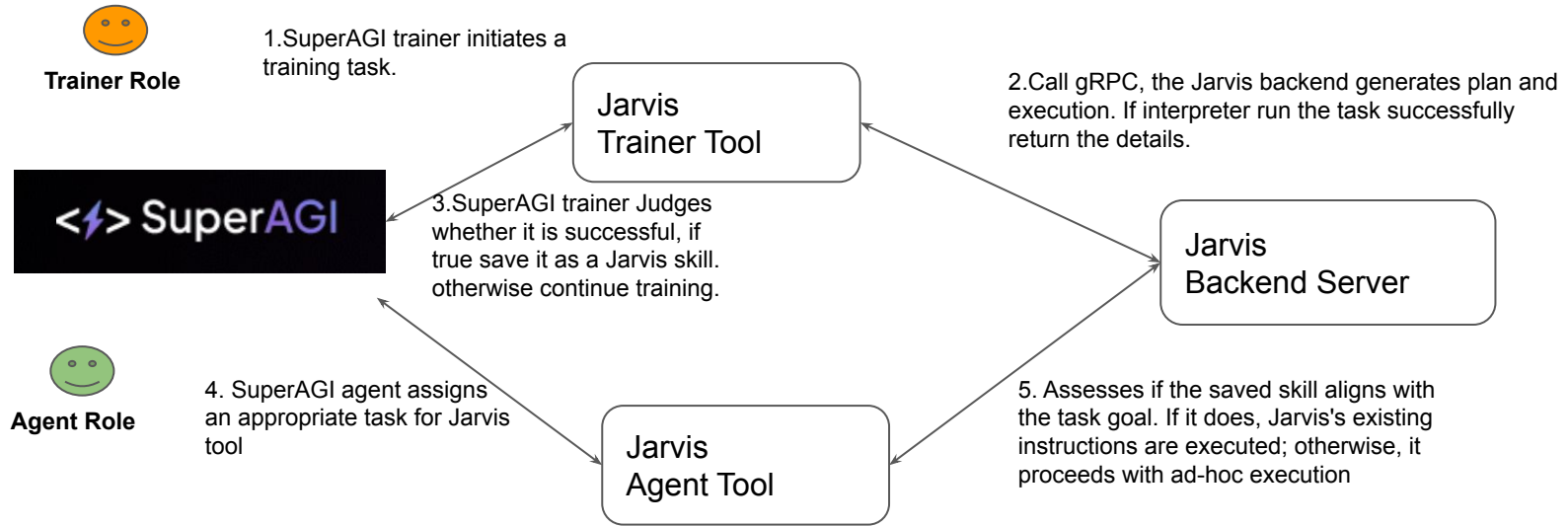
Skill System based on Task Execution

- Every successfully executed task can be saved as a 'skill' within Jarvis.
- Saved skills can be used in the future without regenerating executions.

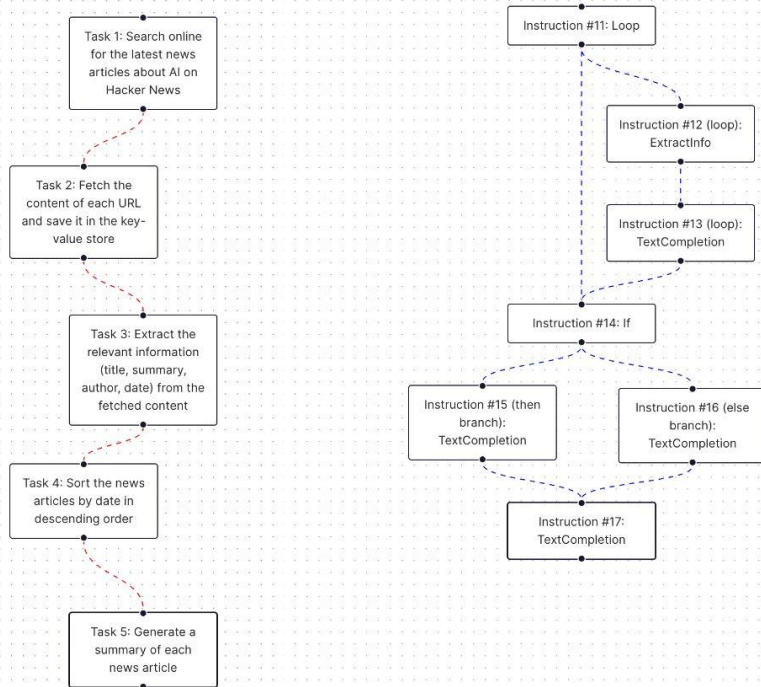
How does Jarvis work



Works with SuperAGI



UI for viewing and debugging generated executions



Task #5

```
{
  "root": {
    "task_num": int 5
    "task": string "Generate a summary of each news article"
    "objective": string "To create a brief summary of each news article"
    "tools": {
      0: string "TextCompletion"
    }
    "output": {
      "description": string "A summary is generated for each news article"
    }
  }
}
```

Instruction #17

```
{
  "root": {
    "seq": int 17
    "type": string "TextCompletion"
    "objective":
      string "Generate a complete weather report for San Francisco using the gathered information"
    "args": {
      "command": string "Please generate current weather report for San Francisco"
      "output_fmt":
        string "{\"kvs\":{\"key\":\"weather_report.seq7.str\", \"value\":\"<to_fill>\"}}}"
      "content":
        string "```temp = @eval(jvm.get(\"temperature.seq3.int\"))```", ````source_url = @eval(jvm.get(\"source_url.seq3.str\"))```", ````notes = @eval(jvm.get(\"weather_notes.seq5.str\"))```"
    }
  }
}
```

What's Next

1. Improve the accuracy and stability of Jarvis execution generation.
2. Extend Jarvis's instructions with more capabilities.
3. Front-end for user interaction with trainer and agent.