



ECS 2025

Agentic AI Today: Exploring the limits with Semantic Kernel & AG

José Luis Latorre

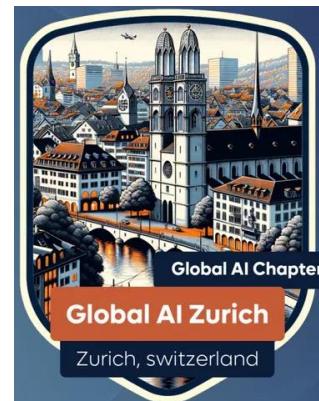
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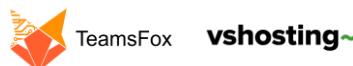
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Agenda

- Act I – The AI Society
- Act II – Building blocks
- Act III – From Solo to Symphony
- Act IV – Tomorrow's Agentic Toolkit

ACT I – The AI Society





Dr. Robert Yang | CEO

ACT II – Building blocks



Agents!

Planner

tool

Single Eye

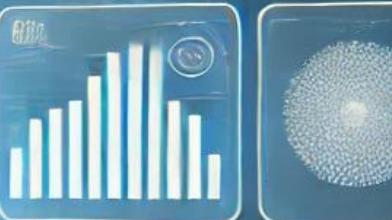
Use Tools



Use Toons

Autonodully AI
Gimmick - Actions

AL AUTONALONE



Adachonet AI
Technology



Usual usage vs Agentic

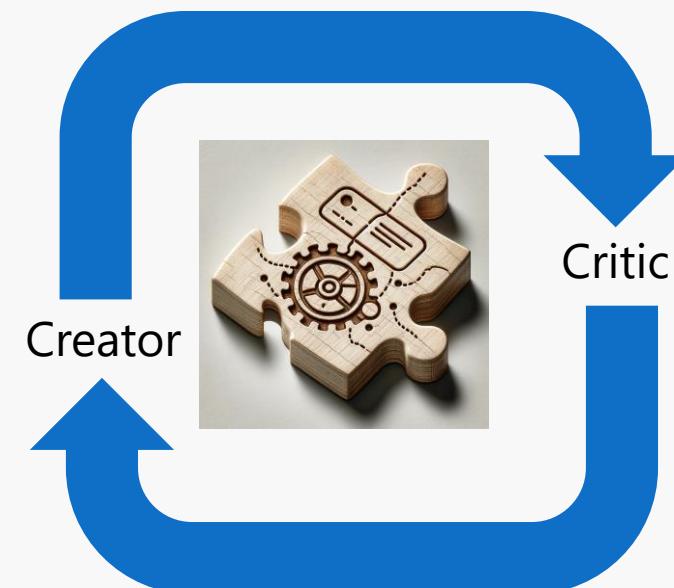
Usual Workflow

Please write me a blog post entry about ECS event for LinkedIn in one go.

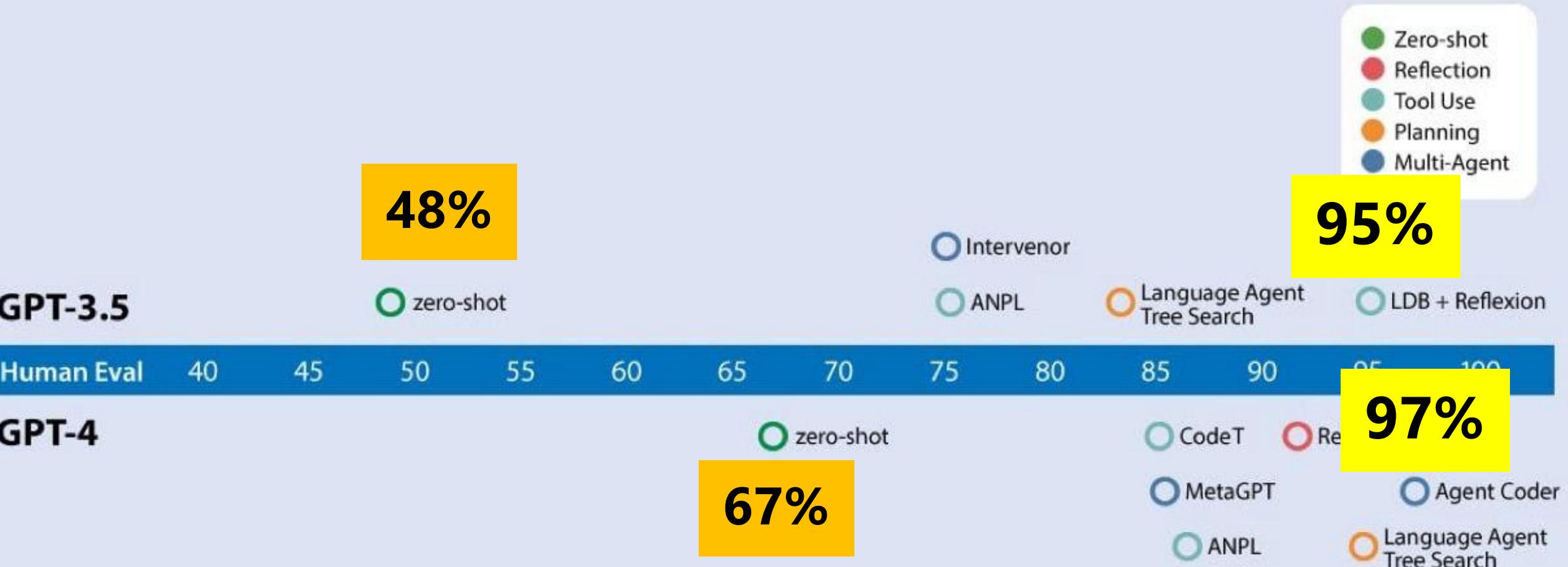


Agentic Workflow

- Please write me a blog post entry about ECS
- Need more information.
- Write the starting draft
- Consider what areas need revision
- Review for style
- Etc...



GPT-3.5 and GPT-4 performance using zero-shot and agent workflows

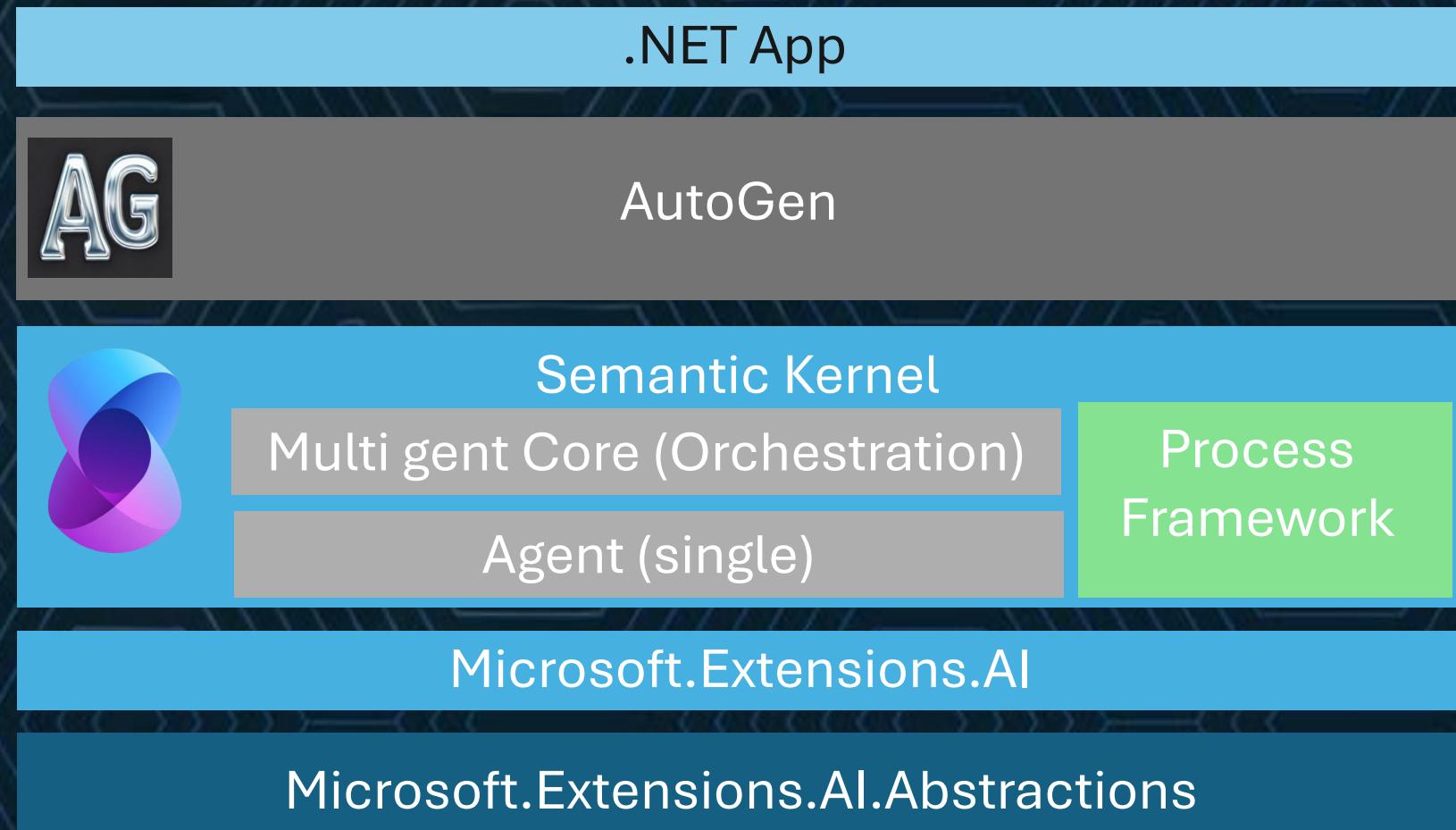


Source: Andy Ng

Performance of GPT-3.5 and GPT-4 (zero-shot) on HumanEval, along with algorithms that use agent workflows on top of GPT-3.5 or GPT-4. Thanks to Joaquin Dominguez and John Santerre for help with this analysis.

The Semantic Kernel Ecosystem

- The Enterprise AI Framework for .NET, Python & Java.
- Motto: Plugins, Planners, Personas!
- Process Framework
- MEAI Ms.Ext.AI
- SK = AutoGen Core
- MCP
- Agent -> GA
- Orchestration released



Before you ask...

- Should we use AutoGen?
 - No if you build business apps or you do not enjoy breaking changes
- Should we use the process Framework?
 - Too verbose, and may change once Orchestration is “done”
- What to use then?
 - MEAI when enough, then Agent (single) and Orchestration once “done”
- What do I do meanwhile?
 - Learn AG – most of all you do there will be possible in SK.
- And Process framework?
 - Once GA, go for it ☺
- What about all the other Agent Frameworks?
 - Just go with the one with most support, as with Javascript...





SemanticKernelAgenticChatWorkflowsExtension

Public

Pin

Unwatch 1

Fork 0

Starred 9

github.com/joslat/SemanticKernelAgenticChatWorkflowsExtension

joslat minor adjustments	c0ffe6 · 3 weeks ago	9 Commits
📁 AgenticChatWorkflows	minor update	3 weeks ago
📁 AutoGen	minor adjustments	3 weeks ago
📁 Helpers	AutoGen integration with Semantic Kernel :)	3 weeks ago
📁 SemanticKernel	checkin of code.	last month
📄 .gitattributes	checkin of code.	last month
📄 .gitignore	Initial commit	last month
📄 AgenticChatWorkflows.csproj	AutoGen integration with Semantic Kernel :)	3 weeks ago
📄 AgenticChatWorkflows.sln	checkin of code.	last month
📄 AgenticWorkflowModel.cs	AutoGen integration with Semantic Kernel :)	3 weeks ago
📄 App.xaml	checkin of code.	last month
📄 App.xaml.cs	checkin of code.	last month
📄 ApprovalTerminationStrategy.cs	checkin of code.	last month
📄 AssemblyInfo.cs	checkin of code.	last month
📄 LICENSE	Initial commit	last month
📄 LICENSE.txt	checkin of code.	last month

Playing around with extending Semantic Kernel and implementing several agentic chat workflow patterns

Readme

MIT, MIT licenses found

Activity

9 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

C# 100.0%

Suggested workflows

Based on your tech stack

ACT III – From Solo to Symphony



Solo: Single Agent



Agent Collaboration



Enter The “Group” Chat...

Group Chat



Ḩuṇāñ



Ũsît̫ēs

N-times



Št̫y'l̫ê
Rêwîêx̫ēs

I Approve!!



Demo!

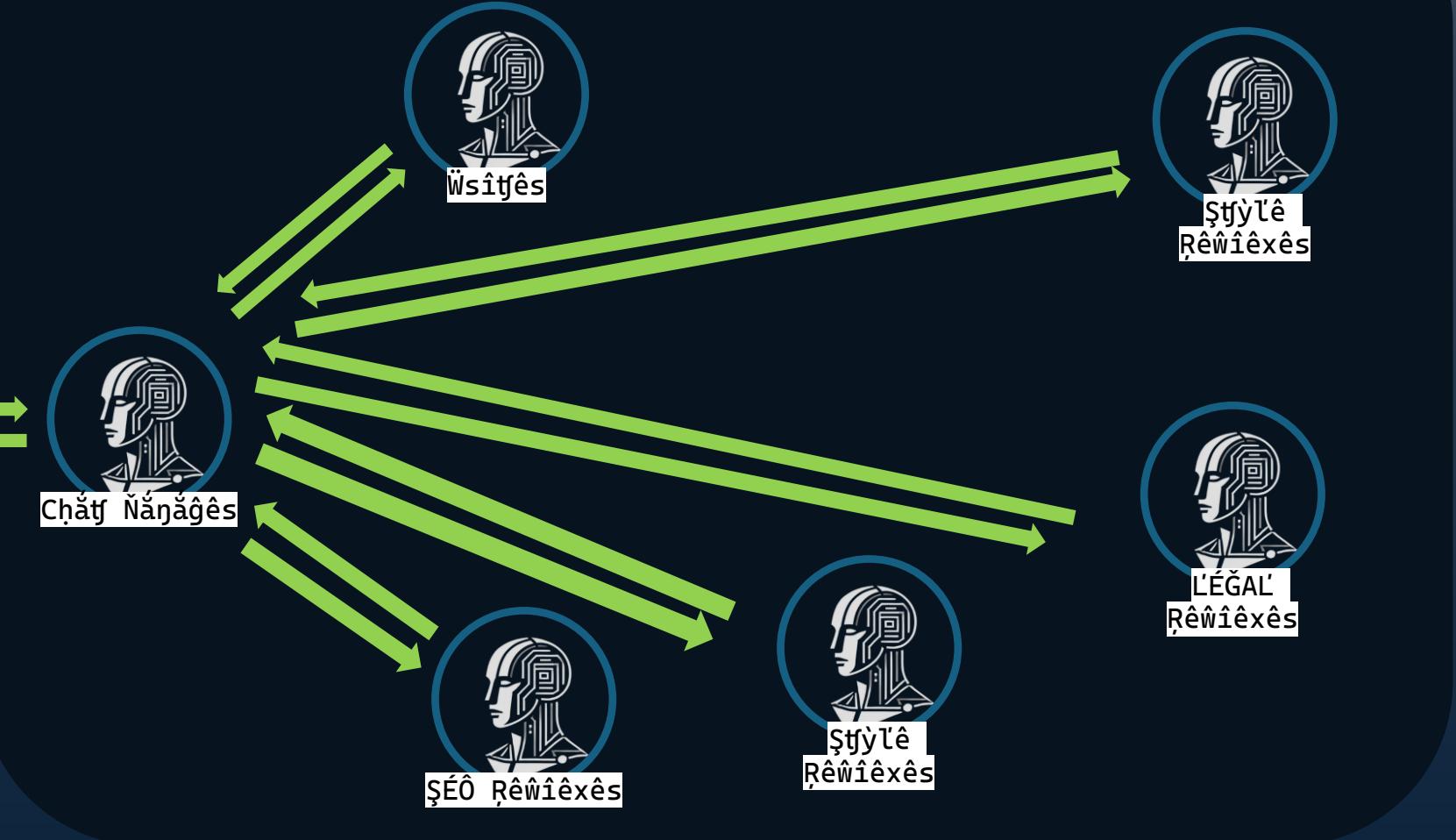
The Inspiration...

AG

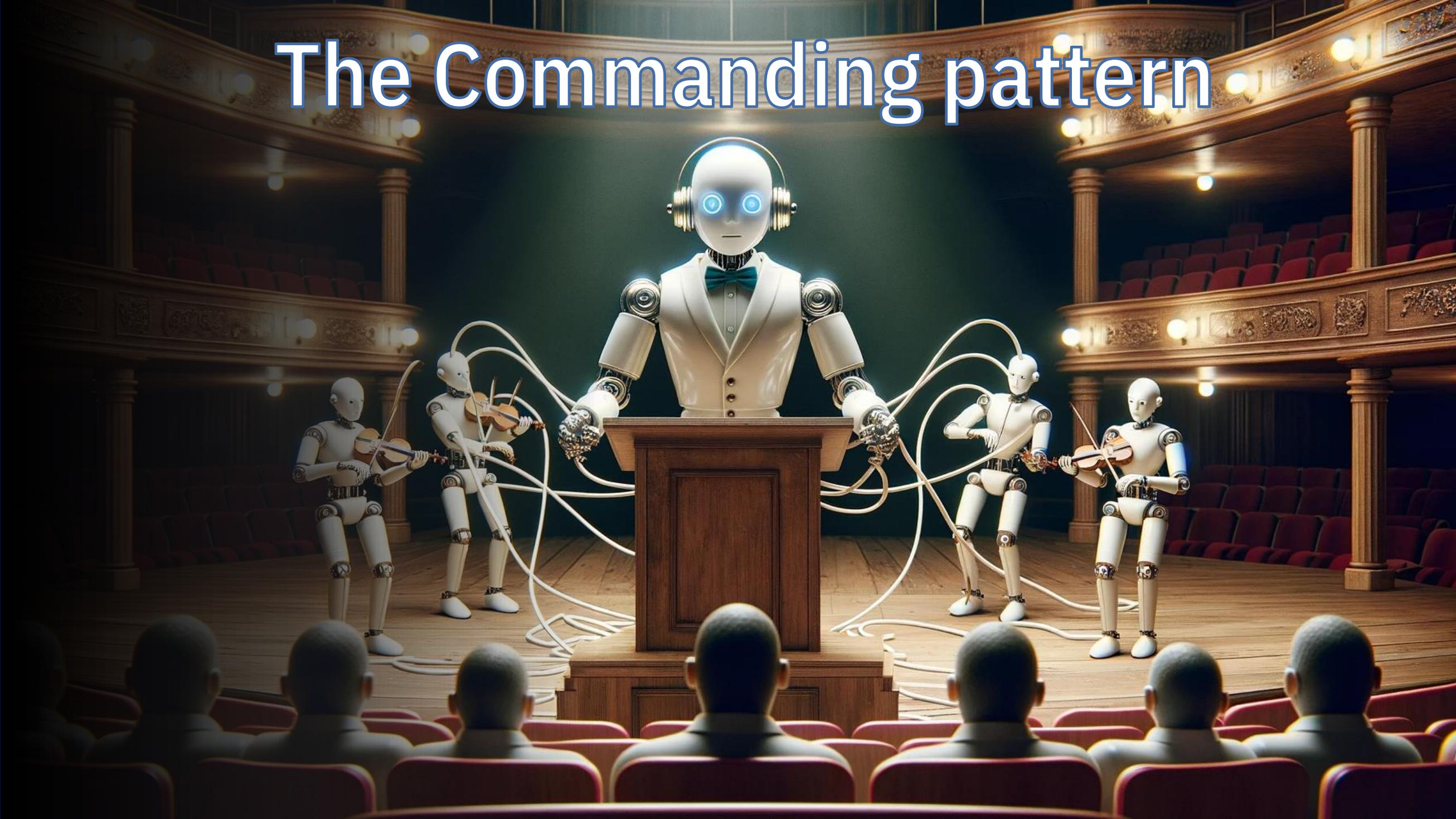
Group Chat



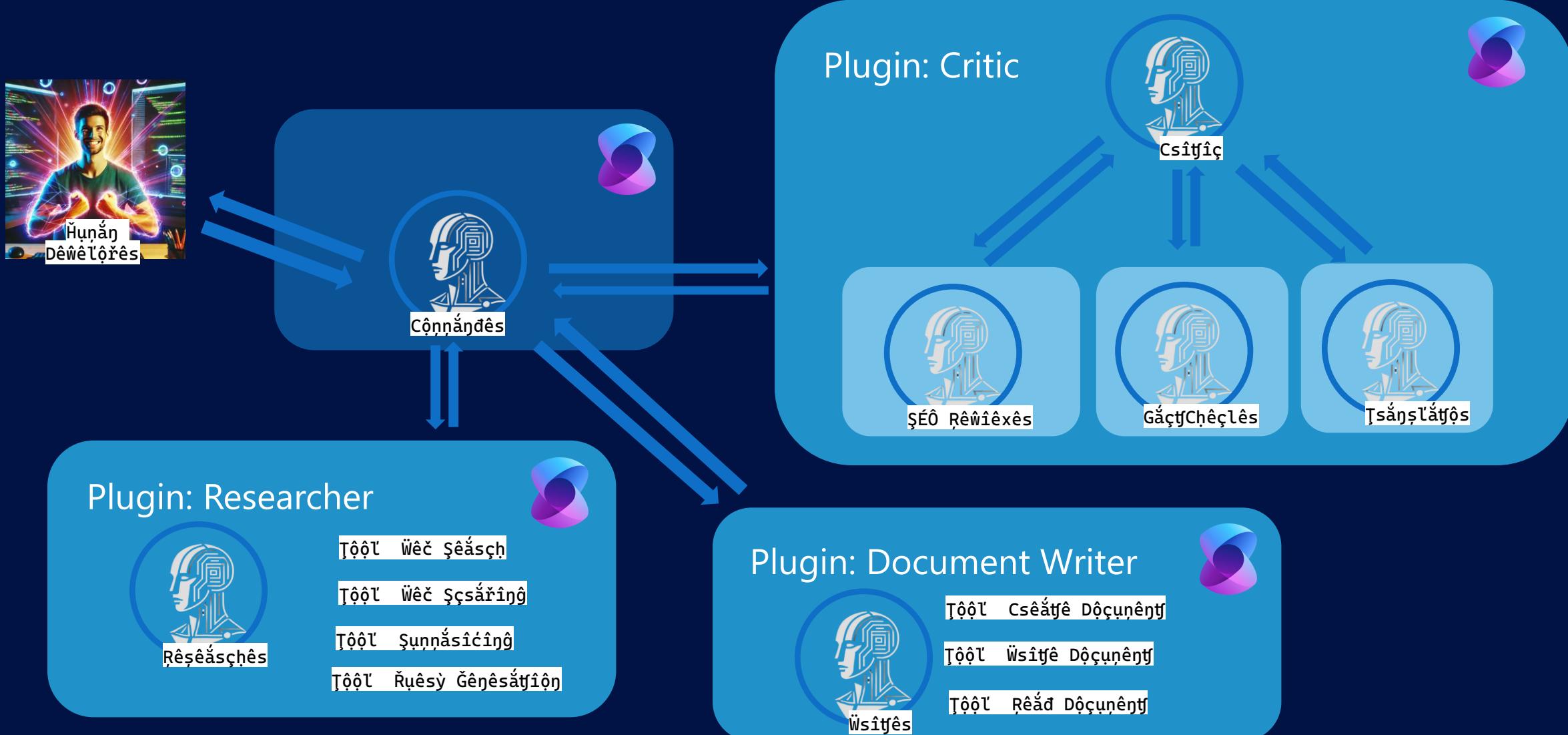
Hūnāñ



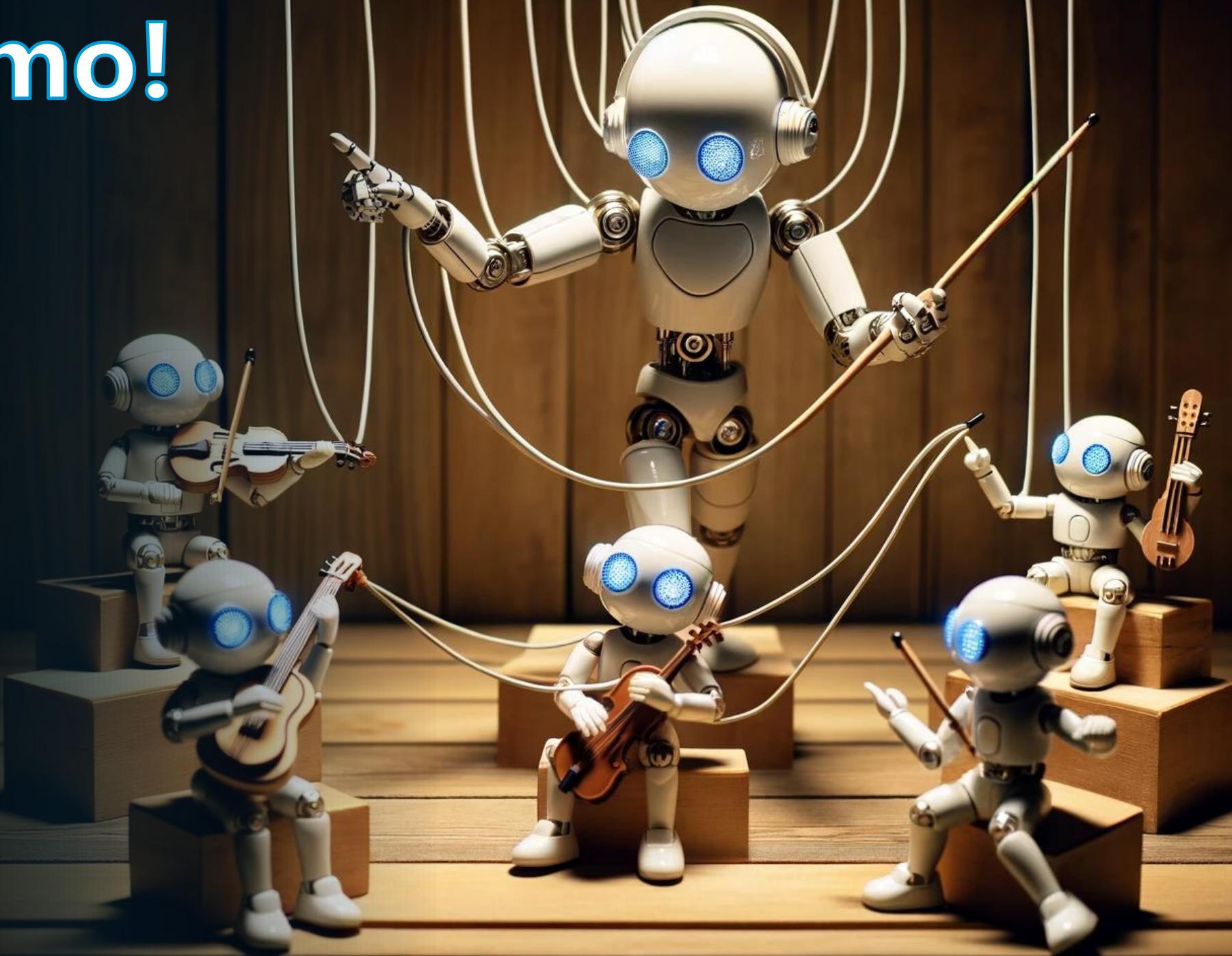
The Commanding pattern



The Commanding Pattern



Demo!



A peek into Orchestration...



Act IV - Tomorrow's AI Toolkit



Have you been watching the news?

- January: Jay Parikh joins Microsoft to lead “Core AI”
 - Will combine various AI Teams, build GitHub Copilot.
 - Focus on Agents, “Agents factory” vision
 - Breaking Down Silos & focusing on the big picture
- What would make sense here? (I am dreaming loud here...)
 - Focusing in working together with the big picture in mind
 - More Standardization due to this
 - Integration of Semantic Kernel & AutoGen in a production ready framework – what everybody is asking for!
 - Generalized Agent + Agent Orchestration + Agent Process/Flow Framework?
 - All Built on top of MEAI as a foundational Abstraction layer
 - Integrated and able to create agents for any scenario (Power Platform, Copilot Studio, A2A, Foundry, GitHub Copilot, Process Framework,...)



Dreaming of tomorrow's AI Landscape



.NET App

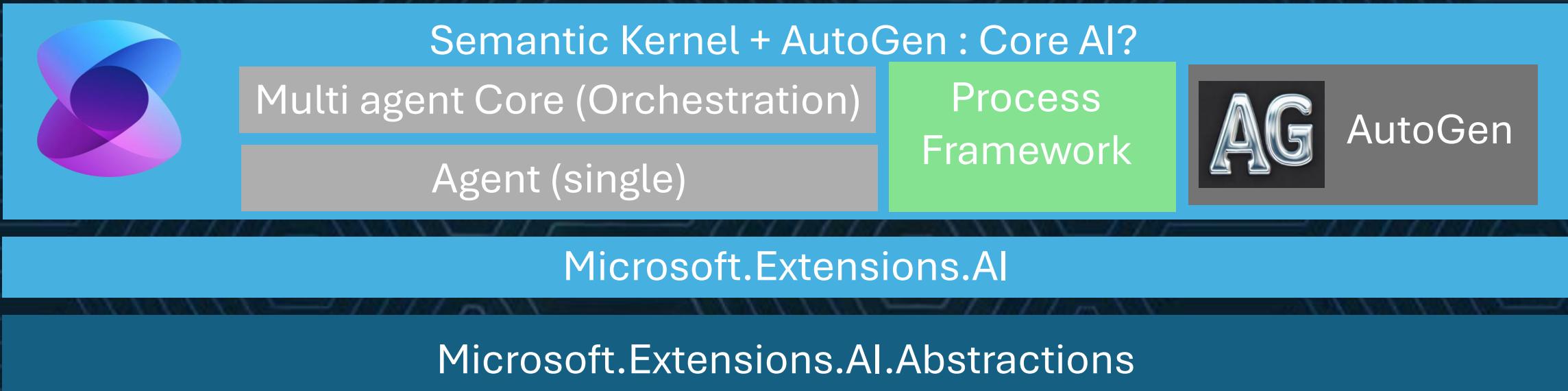
Copilot Studio

GitHub Copilot

A2A

MCP

Foundry



THANK YOU, YOU ARE AWESOME ❤

PLEASE RATE THIS SESSION IN
THE MOBILE APP.

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Thank You!!





Questions?