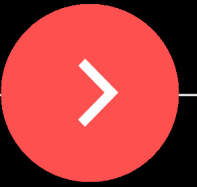


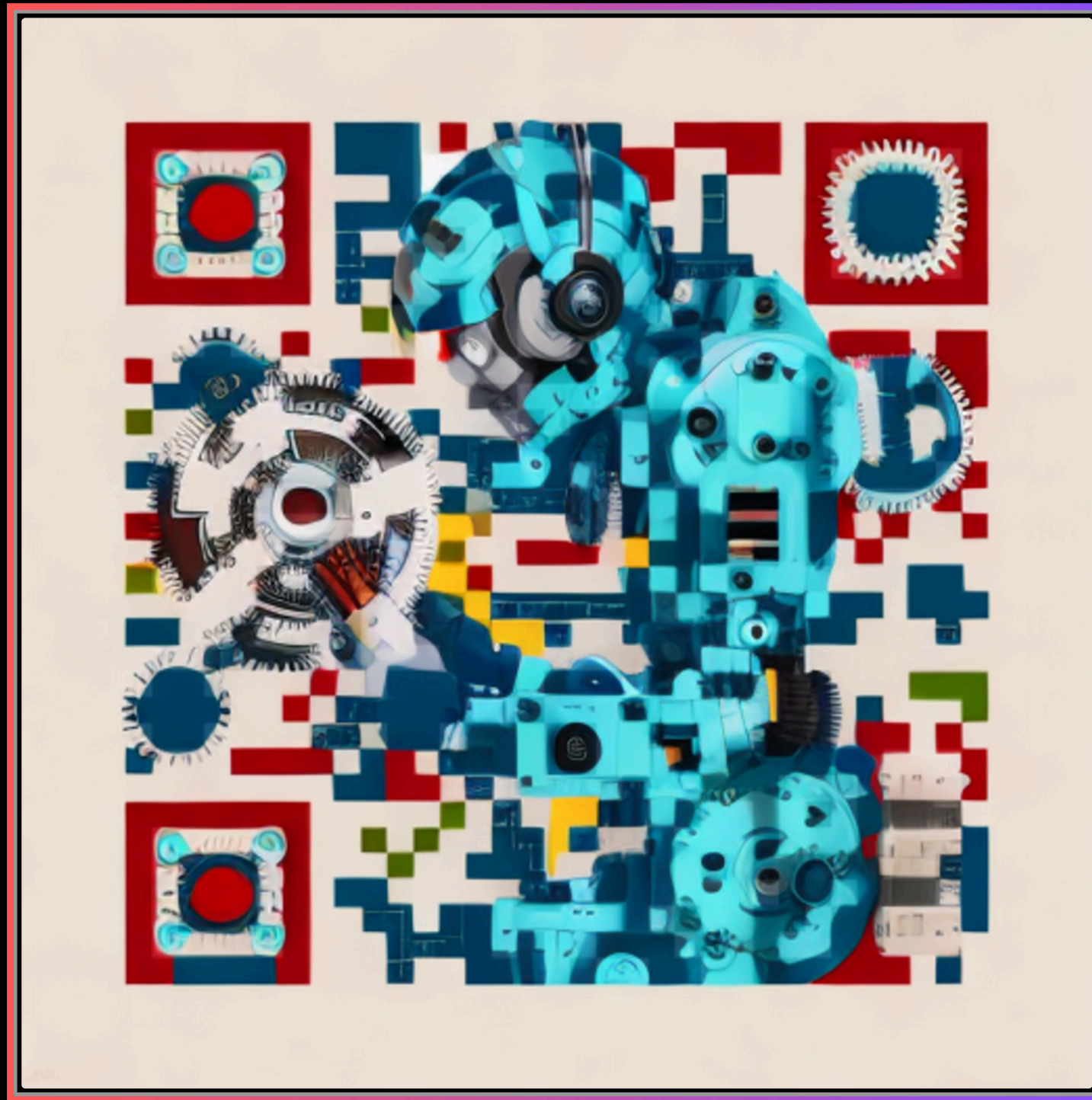
SPEAKER



Pratik Pathak



Microsoft Certified Trainer



HI



Question?

Have you ever used Terminal?

Why??

Question?

**What problem did you face while
using Agents?**

Context Switching Reality

23m

Time to Refocus

The average time taken to return to deep work after a single distraction.

10x

Daily Transitions

Frequency of switching between disparate tools and environments daily.

40%

Productivity Loss

Overall reduction in mental capacity caused by frequent task switching.

The Solution

From Passive Pipes to Intelligent Orchestrators.

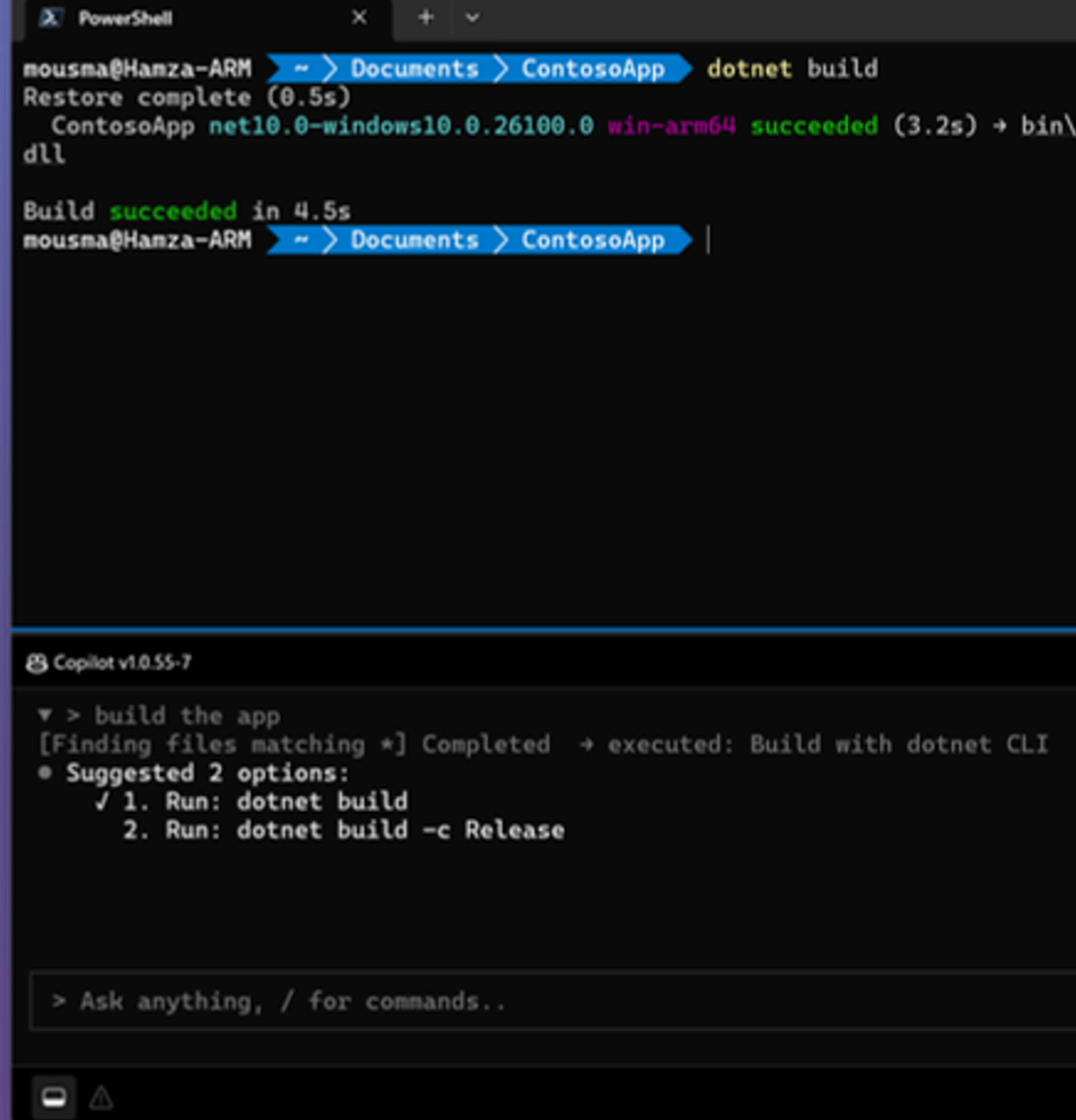
The Intelligent Terminal

The first shell designed explicitly for agentic interaction.
Not just a window, but a context-aware control plane.

 **Error Detection:** Automatic capture of stderr buffers.

 **Agent Pane:** Persistent, sidecar AI interaction.

 **Native States:** Real-time monitoring of background tasks.



```
PowerShell
mousma@Hanza-ARM ~ > Documents > ContosoApp dotnet build
Restore complete (0.5s)
  ContosoApp net10.0-windows10.0.26100.0 win-arm64 succeeded (3.2s) → bin\
dll

Build succeeded in 4.5s
mousma@Hanza-ARM ~ > Documents > ContosoApp |
```

Copilot v1.0.55-7

▼ > build the app
[Finding files matching *] Completed → executed: Build with dotnet CLI
• Suggested 2 options:
 ✓ 1. Run: dotnet build
 2. Run: dotnet build -c Release

> Ask anything, / for commands..

The ACP Protocol



Standardized

The Agent Client Protocol (ACP) creates a vendor-neutral handshake between the shell and the agent.



Secure

Explicit sandboxing allows the engine to request tool execution while the terminal enforces trust.



Extensible

Swap GitHub Copilot for local models via ACP without changing your terminal environment.

Agents

OpenClaw

OpenHands

GitHub Copilot CLI

Aider

Codeium CLI

Cline

OpenCode

Pieces OS Client

Devin

AutoGPT

Bitol

Hermes

ShellGPT

ChatDev

Claude
Code

GitHub Copilot CLI

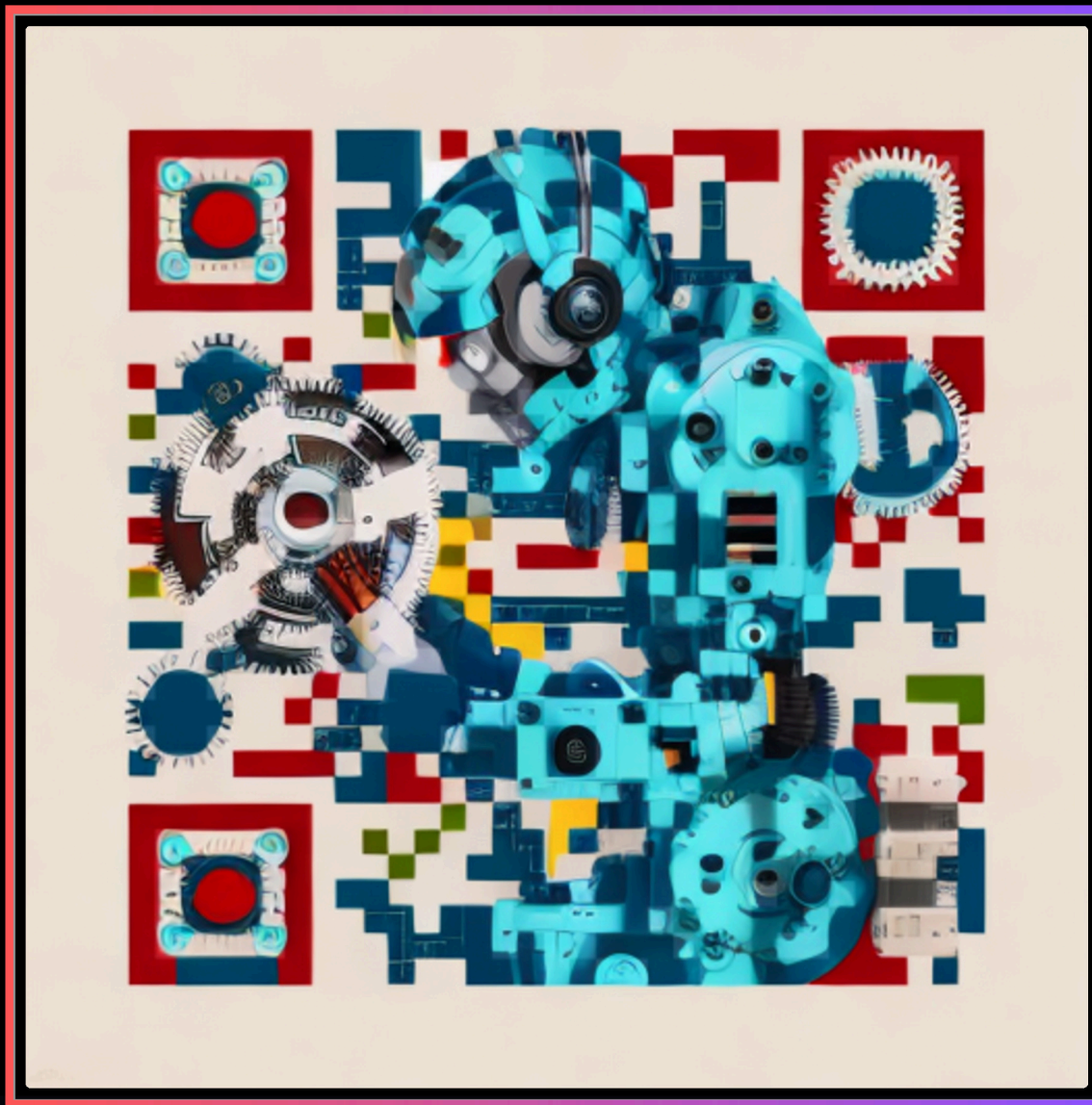
The default agentic engine powering deep repository automation and headless execution.

- Plan Mode: Collaborate on complex tasks
- /delegate: Offload work to background tabs
- Repository-level awareness and tool access



Key Takeaways

- >_ **The Terminal is the Orchestrator:** It is now a context-aware control surface for AI agents.
- 🔒 **ACP is the Open Standard:** Decoupling the host UI from the AI engine preserves developer choice.
- ⚡ **Agency over Assistance:** Move from reading suggestions to reviewing autonomous plans and deployments.



Questions?

Thank you for attending the future of command line engineering.

aka.ms/AgenticShell | github.com/microsoft/terminal