BUILDING THE SHARED ORCHARD

Day 2 - Meet Your Coaches for Azure AI

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Sr Solution Engineer

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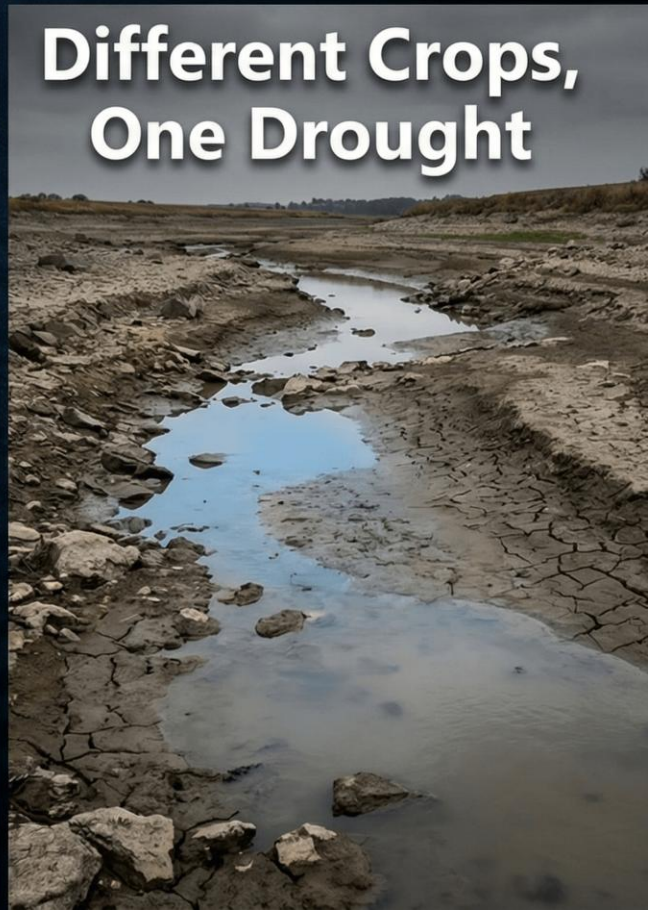
Director, Azure

Different Crops, One Drought



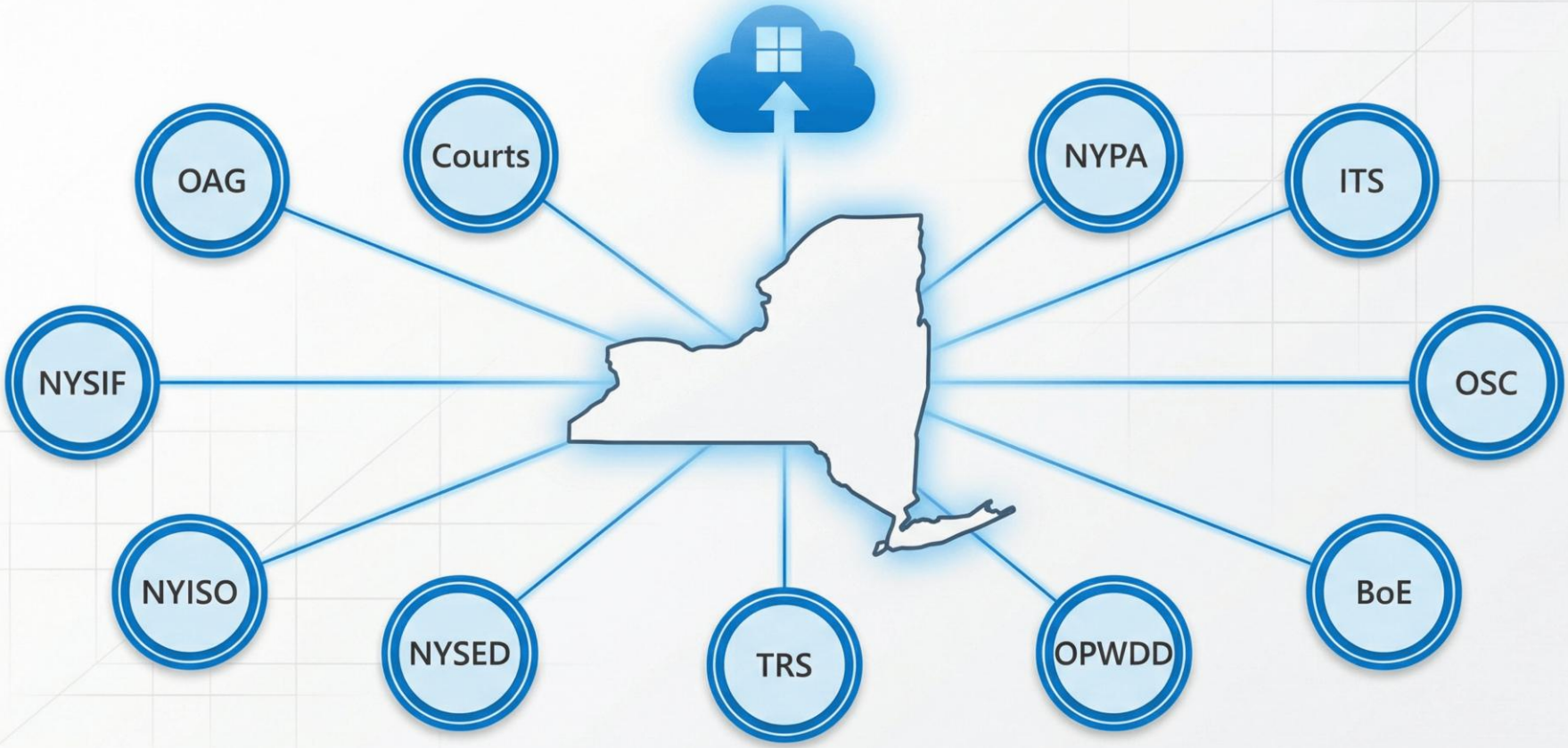
Microsoft

THE SHARED ORCHARD

The City of New York

Microsoft

Different Agencies, Same Platform



Sean Christopher Gayle

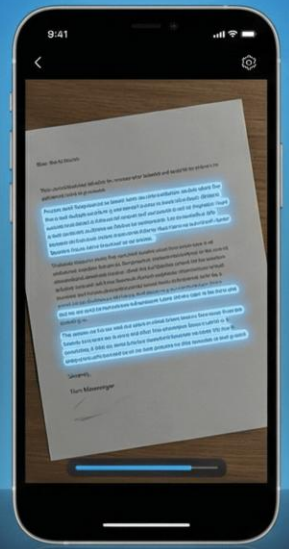
Director, AI Application Engineering

- **Director, AI Application Engineering**
  Principal Azure Cloud Solution Architect
- 25+ Years in IT, 15+ Years in AI
- Proud Marine Dad
- Featured in “The AI Dilemma”
- Ex Boy Band Member
- Man About Town

‘Technology That Disappears So People Can Appear’

Justin Sullivan/Getty Images

Seeing AI: Painting the World Audibly



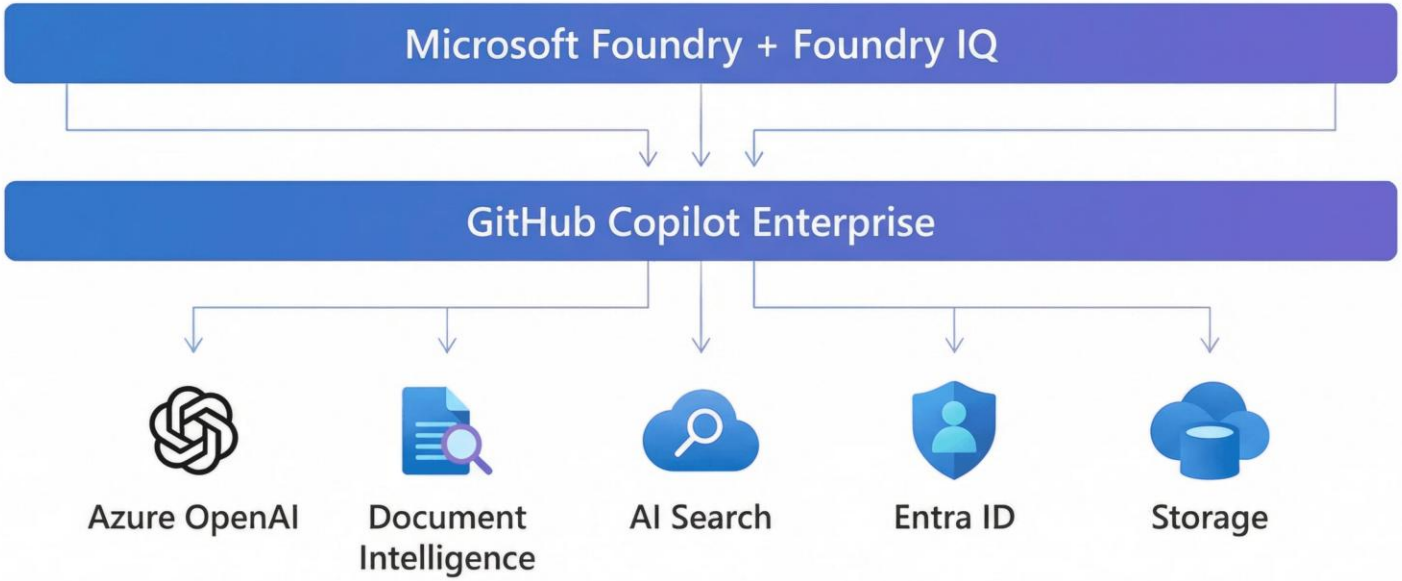
OCR: Instantly reads text from documents, labels, and signs.

Face Recognition: Identifies friends and describes people's expressions.

Scene Description: Narrates the environment and objects around you.

Microsoft

Your Orchard: Already Planted, Already Growing



Accelerators OR Your Own Use Case

Start with Accelerators

Build Your Use Case

Microsoft

Six Accelerators, One Platform

Complete applications ready to extend—or patterns to learn from

Constituent Services Agent

AI-powered Q&A with citations

8 Languages • **Citation-** Backed • **WCAG** AA

Document Eligibility Agent

Automated OCR and validation

7 Doc Types • **95%** Accurate • **PII** Detection

Emergency Response Agent

Multi-agent coordination

6 Scenarios • **5** Agencies • **Real-time** Weather

Policy Compliance Checker

Automated policy review

4 Severity Levels • PDF/DOCX/MD • **AI-** Powered

Inter-Agency Knowledge Hub

Cross-agency search

5+ Agencies • **Secure** Search • **7-Year** Audit

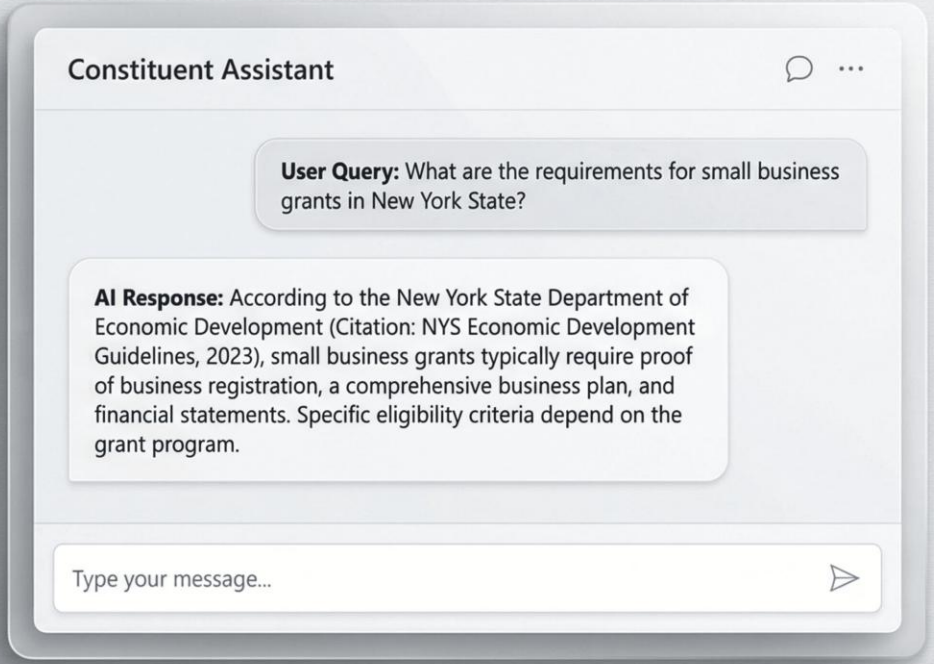
Your Custom Solution

Build what your agency needs

Your Data • **Your** Domain • **Your** Impact

Constituent Services Agent

Swap the knowledge base. Same pattern, your data.



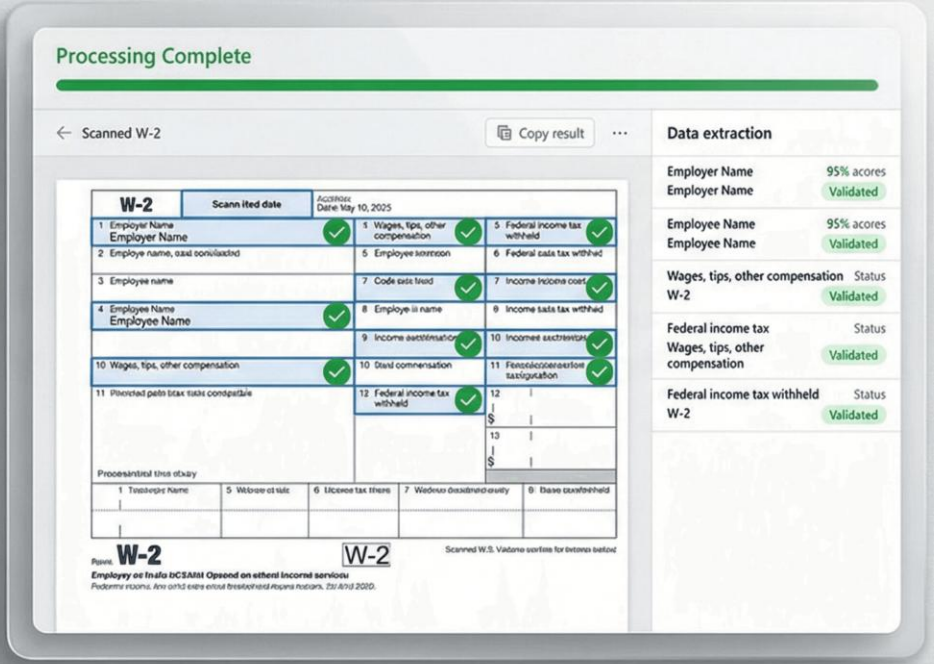
Azure AI Foundry

+

Foundry IQ

Document Eligibility Agent

Same pipeline, your forms.



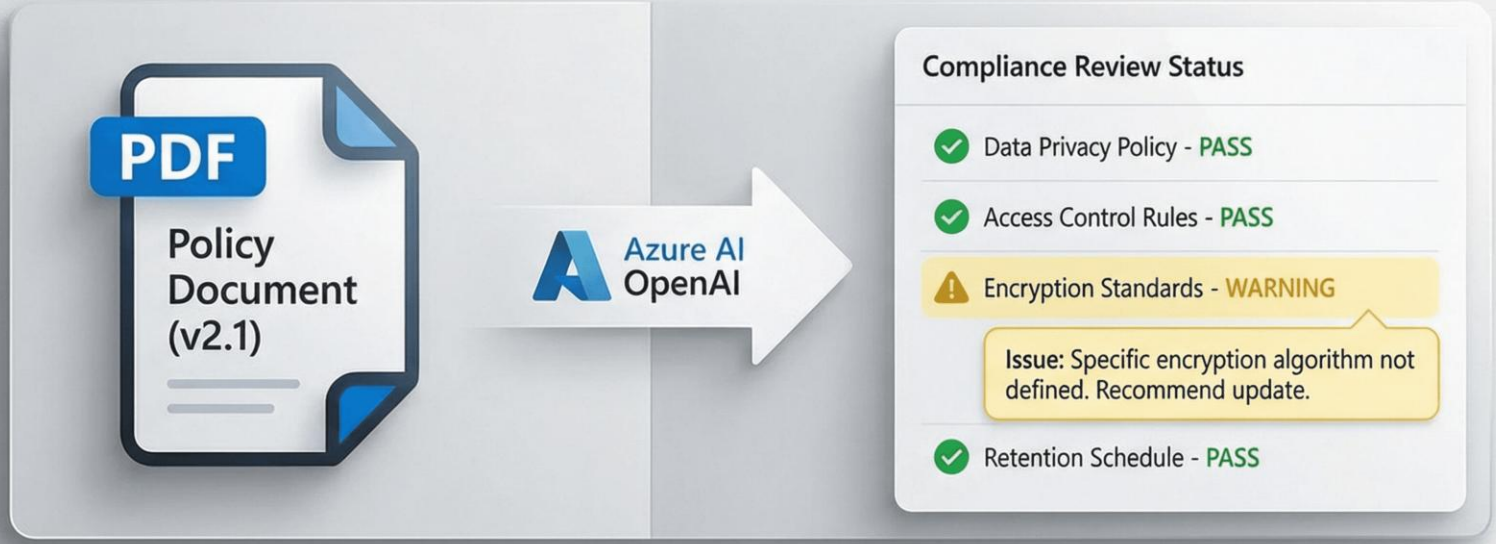
Azure + Document Intelligence

Automated OCR
95% Accuracy

PII Redaction

Policy Compliance Checker

Automated review against your rules.



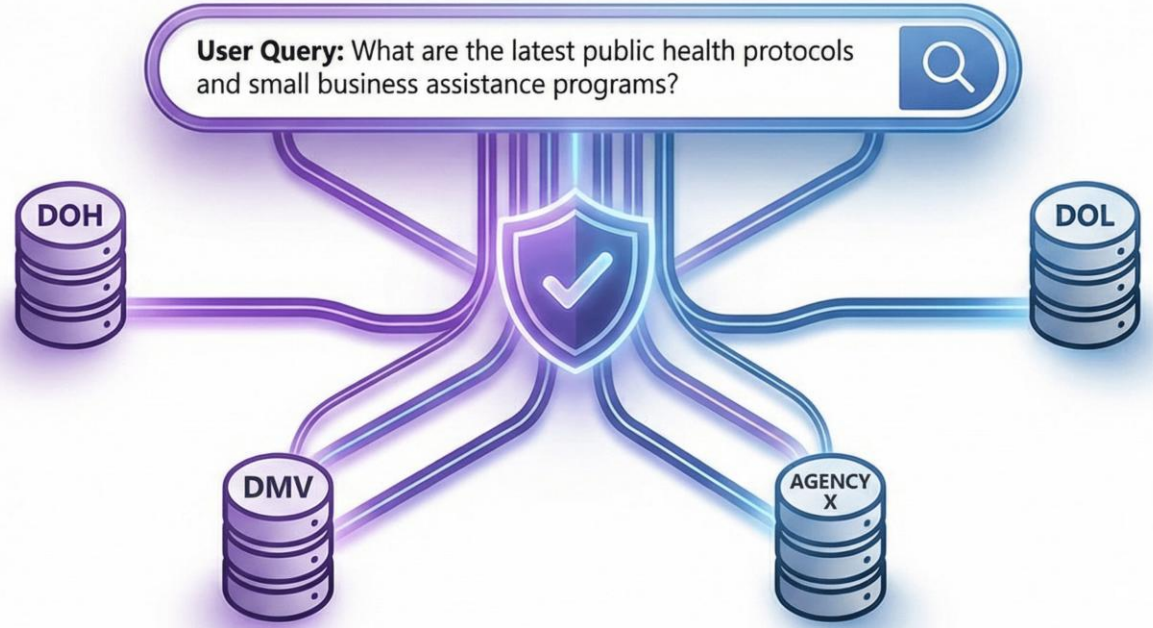
Instant Analysis

Risk Scoring

Detailed Feedback

Inter-Agency Knowledge Hub

Secure search across boundaries.

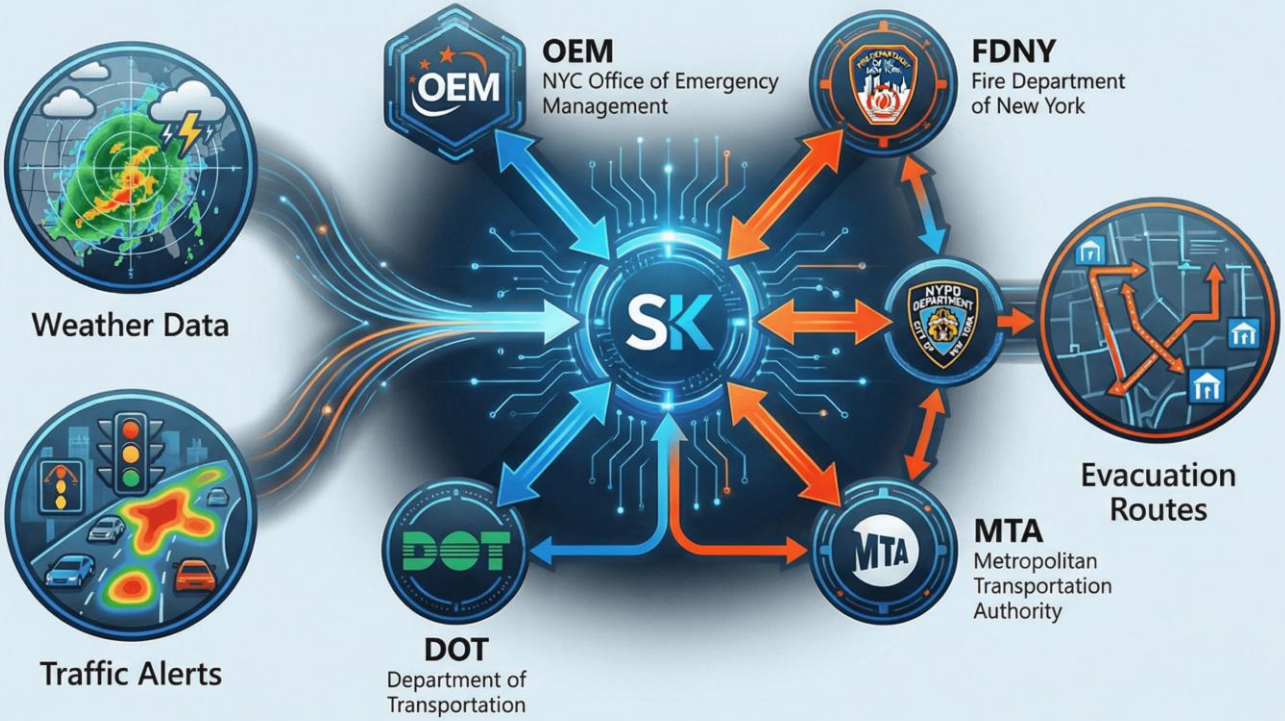


- Cross-Agency Access
- Permission-Aware
- Unified Results

Azure AI Search + Microsoft Entra ID

Emergency Response Agent

Same orchestration, different agents.



Key features:

- Multi-Agent Coordination
- Real-time Data
- Automated Planning

Built on Enterprise-Ready Foundation

Semantic Kernel

Azure OpenAI

Python/Flask

Azure AI Search

62 tests passing

<1 second response

Mock mode for safe demos

Microsoft

Azure Government Validated

- **Azure OpenAI:** FedRAMP High, IL2-6 Authorized
- **Semantic Kernel:** Open-source, endpoint-configurable
- **NWS Weather API:** Public federal API
- **Zero code changes** for Gov deployment

Microsoft GCC Ready

`Change endpoint from .azure.com to .azure.us`

Microsoft

Microsoft

SEE IT IN ACTION

5 minutes. Real APIs. Real coordination.

Report a wildfire in Queens

Agent fetches real-time weather

Agent checks traffic conditions

AI generates coordinated response plan

Your Mission: Extend It

Beginner

Add notification service (SMS/ Email alerts)

Time: 2 hours

Intermediate

Integrate Azure Maps for evacuation routing

Time: 4 hours

Advanced

Multi-region coordination with agent handoff

Time: 8 hours

From Code to Pilot

TODAY
Clone → Extend → Test

TOMORROW
Demo to Judges

NEXT WEEK
Pilot with Customer

Microsoft

Microsoft

Everything You Need

GitHub repo access

Access source code, examples, and community contributions.

Azure AI Foundry docs

Comprehensive documentation, tutorials, and API references for Azure AI services.

Semantic Kernel quickstart

Fast-track your development with easy-to-follow guides and samples.

Teams/Slack support channel

Connect with experts and the community for real-time assistance and collaboration.

Microsoft
Coordinate.
Respond.
Save Lives.

From Hackathon to Pilot

Today
Extend or Build

Tomorrow
Demo

Monday
Pilot

Microsoft
The Orchard Grows
When We Plant Together

Now Build.

Microsoft

RE NT

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