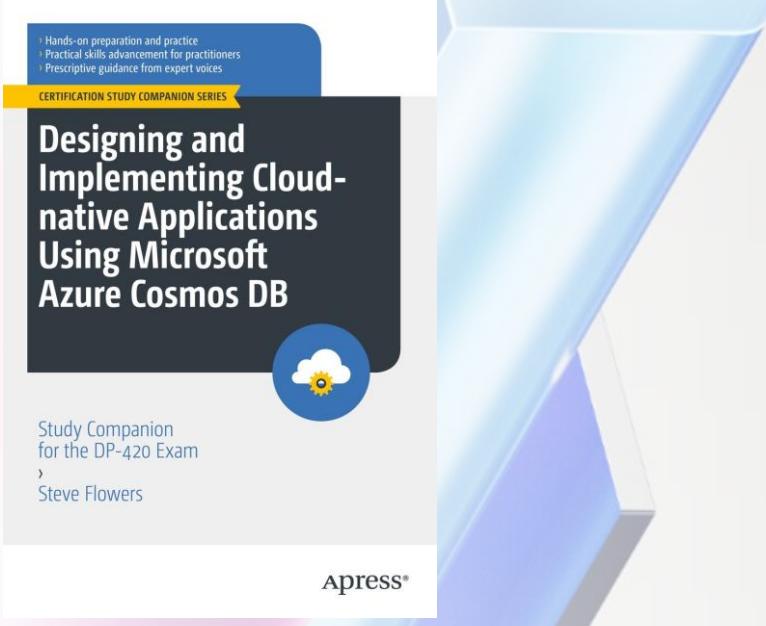




From prompt to production: Accelerate agentic AI innovation with Azure AI Foundry



Steve Flowers
Principal AI Apps Solution Engineer
Manufacturing and Mobility

5.5 Years at Microsoft

15 Years in Technology
Systems Engineer, Cloud Development, Data Architect, AI Apps

Azure Cosmos DB Technical Insider

Author: Designing and Implementing Cloud-native Applications
Using Microsoft Azure Cosmos DB

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A study companion for the DP-420 Exam

[Study Companion for the DP-420 Exam | SpringerLink](#)

[Steve Flowers | LinkedIn](#)

[My blog | https://steve.flowers](#)



What are we *doing* here?

Growth

Morgan Stanley says AI represents a value creation potential of 24 – 29% of current S&P 500 market capitalization.

[AI could deliver \\$920B in annual net benefits to S&P 500 firms](#)

Readiness

An MIT study shows that 95% of AI projects fail. There is a large gap between simple chat experiences and adaptive agentic solutions.

[MIT State of AI in Business Report](#)



**How can
we do
*better?***

Accelerate time to value

**Plan for
security and
governance**

**Prepare
your data**

Align to business objectives

Operationalize AI development with GenAIOps

Streamline deployment and management with large language models operations

40%

Improve the efficiency of model deployment and management by¹

Increase velocity and security (For GenAI) through



Collaboration



Automation



Reproducibility

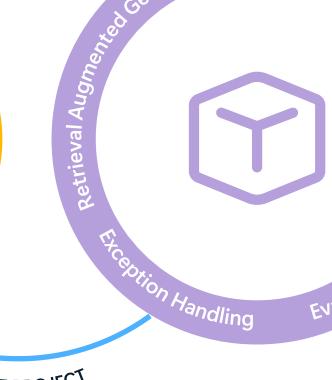
Microsoft Guidance to implement best practices and high-performing processes

Managing

BUSINESS NEED



IDEATING/EXPLORING



BUILDING/AUGMENTING



OPERATIONALIZING

1. [An Introduction to GenAIOps: Operationalizing and Managing Large Language Models using Azure ML \(microsoft.com\)](https://www.microsoft.com)

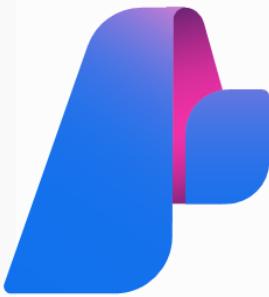
Copilot Studio



SaaS

Empower SMEs
Take action
Quick deployment

Azure AI Foundry



PaaS

Rapid prototype
Connect tools
Prove value

Microsoft SDKs

Agent Framework
Semantic Kernel
AI Foundry
M365 Agents
Teams AI

IaaS

Customize
Orchestrate
Evaluate
Iterate

Choose the tool that best fits your needs

Most agents can be built using either of these differentiated tools – all powered by Azure AI Foundry

