



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



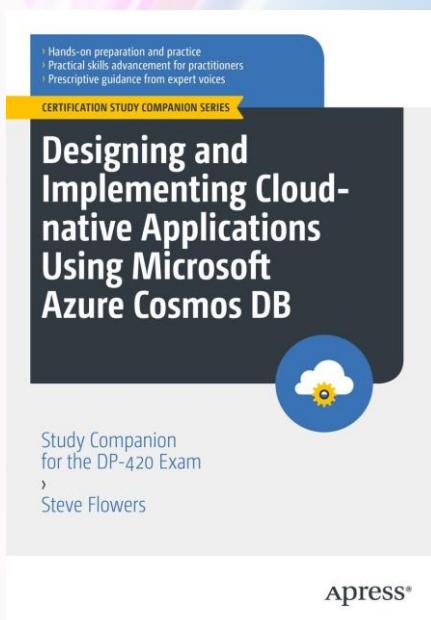


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[Study Companion for the DP-420 Exam | SpringerLink](#)

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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

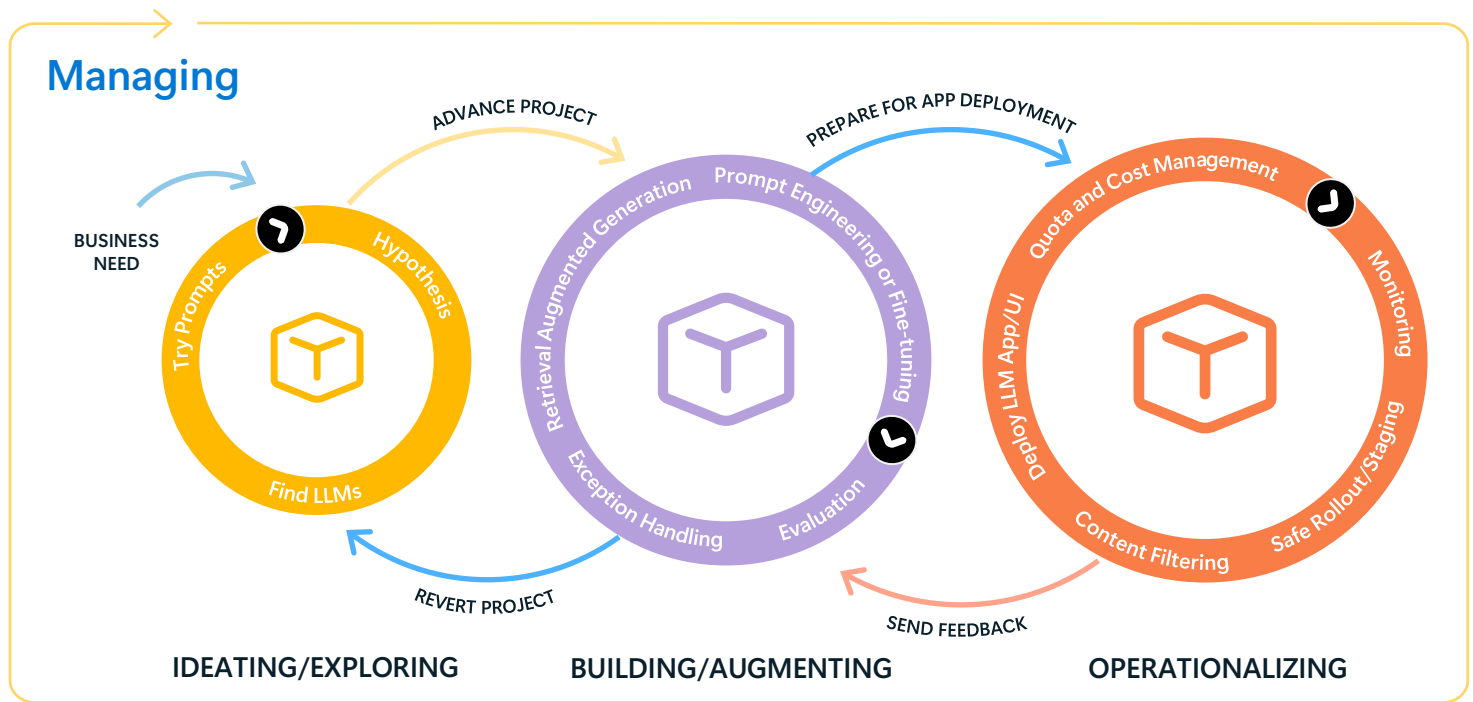


Automation



Reproducibility

Microsoft Guidance to implement best practices and high-performing processes



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

Copilot Studio



Azure AI Foundry



Microsoft SDKs

Agent Framework
Semantic Kernel
AI Foundry
M365 Agents
Teams AI

SaaS

Empower SMEs
Take action
Quick deployment

PaaS

Rapid prototype
Connect tools
Prove value

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

