

Session Format (3 hours)

Agenda	Time
Kickoff	9:00 PT
Scenario overview	9:10 PT
Team breakouts	9:20 – 11:20 PT
Team readouts	11:20 PT
Wrap	11:50 PT



Breakouts end at
11:20 PT

Set a timer in
Teams!

Reminders

- Decide as a team what you can accomplish with the allotted time
- Do not feel obligated to solve ALL the problems or use cases – it might make sense to pick one to solve or combine
- Be creative – if there is a critical element of the scenario that is missing – please add it so all can be included

Agentic method [template]

Approach:

Lorem ipsum dolore whatever... We started by ideating with agentic help, then put agents in your agents so you could agent while you agent.

Insights:

- Lorem ipsum
- Dolor latin stuff
- Learning is fun

Agentic Toolkit	Notes

Team members: member1, member2, member3

**Scenario: Agentic
migration and
modernization for
manufacturing customer**



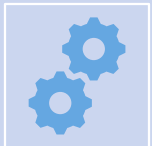
Challenge Basics



Goal: Accelerate migrate and modernize with a customer using agentic tools and processes.



Scenario: Partner has a large manufacturing customer who has just signed a large MACC, and now seeks assistance from Microsoft to support the migration and modernization of the customer's application portfolio.



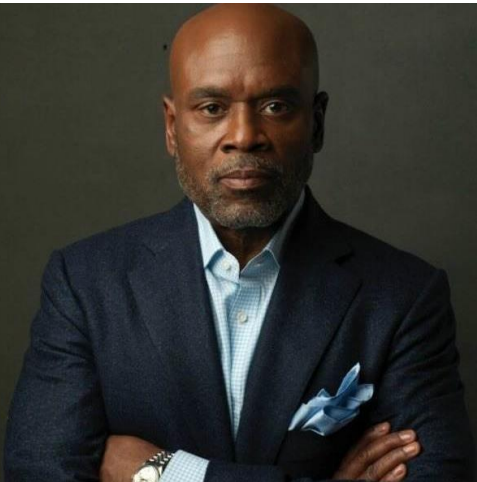
Focus Areas: Migrate and modernize critical business applications, comprehensive cloud solution architecture, migrate vs modernize rationale, security, future roadmap

Scenario

ORGANIZATION	INFRASTRUCTURE	APPLICATIONS	OPERATIONS
Industry: Manufacturing	Data Centers: <ul style="list-style-type: none">Two physical data centers running aging hardware (average age: 7 years).Limited redundancy and disaster recovery capabilities.	Core Business: <ul style="list-style-type: none">ERP system running on Windows Server 2012CRM built on .NET Framework 4.5, tightly coupled to SQL Server.Company line-of-business and operations apps use Java Spring and PostgreSQL	Observability: <ul style="list-style-type: none">Core infrastructure monitoring limited to native tools with no automation
Size: ~5,000 employees across multiple regions	Compute & Storage: <ul style="list-style-type: none">Virtualized workloads on VMware clusters.Storage arrays nearing capacity; scaling requires significant CapEx.	Integration <ul style="list-style-type: none">Point-to-point integrations; no centralized API strategyJava apps use RabbitMQSome legacy SSIS processes for data warehouse	Identity: <ul style="list-style-type: none">On-prem Active Directory domainEntra ID tenant (existing M365 customer)Apps use a mix of legacy user/password and Windows auth (via domain users)
Core Business Systems: Legacy ERP, custom-built CRM, and on-premises data warehouse for operations, custom application portfolio for manufacturing and production systems	Networking: <ul style="list-style-type: none">MPLS-based WAN with high latency for remote offices.No SD-WAN or modern network optimization.	Data: <ul style="list-style-type: none">Large amount of mixed file storage on aging NAS infrastructureSQL Server supports CRM and ERPPostgreSQL and MariaDB	Management: <ul style="list-style-type: none">Legacy custom ticketing system for incident management
IT Landscape: Primarily on-premises, fragmented cloud adoption			

Voice of the customer

CEO



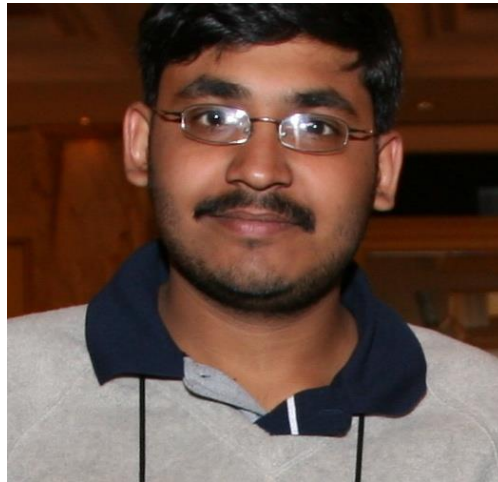
- Adopt AI across every aspect of business
- Need to present to the board the AI strategy, as they are concerned about competition pulling ahead
- Worried about IT staff skills and need assurance that they can continue provide value to the organization

CFO



- Wants to avoid project sprawl, and ensure existing spend is controlled
- Optimize spend through cloud cost controls and stay on budget
- Stay compliant with corporate policy for financial systems data and access
- Has been using AI tools for years and has personal ChatGPT subscription; doesn't want AI at work to become "just another chatbot"

CTO



- Fully sold on cloud and Azure platform, but fighting company inertia and legacy complexity
- Last CTO was fired because of disruption in production during new system rollout
- Wants to use AI to optimize factory processes and safety
- Feels the wealth of sensor and IoT data they already have is not put to good use

CIO



- Manages portfolio of Java apps with some legacy apps no one remembers how to work on.
- Supports increasing number of apps and databases with the same number of staff
- Relies on aging in-house ticketing system for operations management
- 1 year deadline to retire legacy datacenters
- One system has a technical requirement to stay on-prem and cannot migrate to cloud infra

CSO



- A critical vulnerability in one of our apps exposed sensitive customer data and impacted the company's reputation.
- Concern about AI misuse and abuse
- Knows we have software in prod with unpatched CVEs

Suggested Deliverables

Technical presentation

- PowerPoint or other visual presentation style
- How would you present this to the C Suite?

Architecture Diagram

- Technical design illustrating how their systems work on Azure

Migration Plan

- Process approach and tools used to move customer workloads to Azure
- Estimated timeline and deliverables

Code repo

- Example infrastructure-as-code for cloud-based deployment of migrated app
- Sample code or other technical artifacts supporting migration and modernization effort ([Spring Petclinic community](#) can be used as a sample repo if desired)

Contoso Consulting Group (CCG) AI Innovation Challenge

Make time reporting effortless, accurate, and intelligent



Contoso Consulting Group's Pain Points

- Consultants dislike manual time entry — often delayed or incomplete
- Missing travel time and misclassified expenses reduce billable accuracy
- Managers spend hours reconciling inconsistent reports
- Leadership lacks real-time visibility into project utilization
- Compliance issues with client contracts due to data errors



Challenge Overview



Help CCG reimagine the experience of time and expense reporting using Agentic AI principles. Show how AI could proactively assist consultants, even if it is only a conceptual or partial prototype



Remember: Your solution should demonstrate Agentic AI behaviors – reasoning, tool use, and proactive assistance



Choose one focus area (not all):

1. Context Awareness: Detect missing travel or time entries
2. Proactive Suggestions: Recommend updates based on schedule or behavior
3. Conversational Interface: Let consultants log or confirm entries naturally

You only need to build or mock one of these features

Requirements

Build an Agentic AI Concept Prototype

- **Design:** Sketch an architecture or flow diagram (PowerPoint, whiteboard, or draw.io)
- **Demonstrate:**
 - A short script, mock interaction, or working demo that shows your AI flow
 - You can use a local script, Semantic Kernel/Agent Framework sample, or Copilot Studio
- **Use Microsoft AI Tools:** Include at least one (e.g. Azure Open AI, Semantic Kernel, Azure Cognitive Services, Copilot Studio, etc)
- **Present:** 3-5 minute walkthrough of your concept



Deliverables

Concept Diagram

- Simple visual showing how your agent or flow would work
- Example: SK + Azure Functions + OpenAI

Demo or Script

- Show a sample conversation or flow (mock or working)
- Example: Console app, Postman, or slide-based simulation

README / Summary Slide

- Which AI tools did you use, and why
- Example: "We used Azure OpenAI for reasoning; Graph for calendar context"

Contoso Coffee & Tea AI Innovation Challenge



Reinventing the Café Experience through AI

Contoso Coffee & Tea

Current Concerns

- Sales have stagnated despite a strong brand presence.
- Customer engagement and loyalty app usage are declining.
- The mobile experience feels generic and lacks personalization.
- Younger customers expect smarter, more tailored digital interactions.
- Feedback and data are underused, offering little insight into customer behavior.



Challenge Overview



Goal: Help Contoso Coffee & Tea transform its café experience using AI-driven innovation.



Scenario: Design a new digital feature for the mobile/web app to boost customer engagement, personalization, and convenience, both in-store and online.



Focus Areas: Creativity, Technical Implementation, Real-world Applicability

Requirements

- **Prototype:** Create a new app or feature concept that reimagines how customers interact with a coffee or tea shop, from ordering to personalization.
- **AI Integration:** Use AI in **any creative way (i.e. not a chat bot)** that enhances the customer experience.
- **Tech Stack:** Completely open



Deliverables

Feature Description

- What problem or opportunity does it address?
- Why is it valuable for customers and the business?

Technical Implementation

- Include an architecture diagram and overview of how AI fits into your design.

Demo

- Create a working prototype or short walkthrough that demonstrates your feature in action.

Documentation

- Explain how the AI component works (data used, limitations, and ethics).
- Describe **which agentic tools** you used to support your ideation or development process.

Example Deliverables

Strategy document or presentation

Wireframes

Proposed design

Solution mapping

Project plan

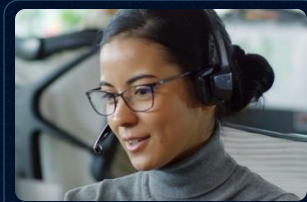
Architecture

Prototype: UX or app

Demo



Unlocking transformation by function



Customer Service

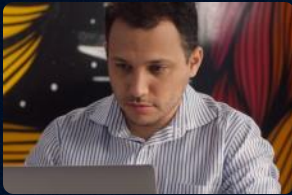
Self-help

Support assignment

Issue diagnosis

Problem resolution

Continuous improvement



Sales

Customer self-service

Lead generation

Customer engagement

Negotiations & closing

Post-sale follow-up & upsell

Sales analysis & forecasting



Finance

Quote to cash

Record to report

Tax & treasury

Planning & analysis

Risk management and compliance

Procure-to-pay



Marketing

Customer insights & strategy

Demand generation

Content creation

Campaign execution

Predictive analysis

Personalization

Sales enablement & recommendation



HR

Employee engagement

Recruiting

HR admin & payroll

Compensation & benefits

Learning & development

Talent management

HR strategy & planning



Legal

Regulatory & compliance management

Contracting

Risk management

Litigation

Consultation

Intellectual property

Advisory services



IT

Software development

Data management

Device management

IT operations

Network operations

Information security

Change management & user adoption

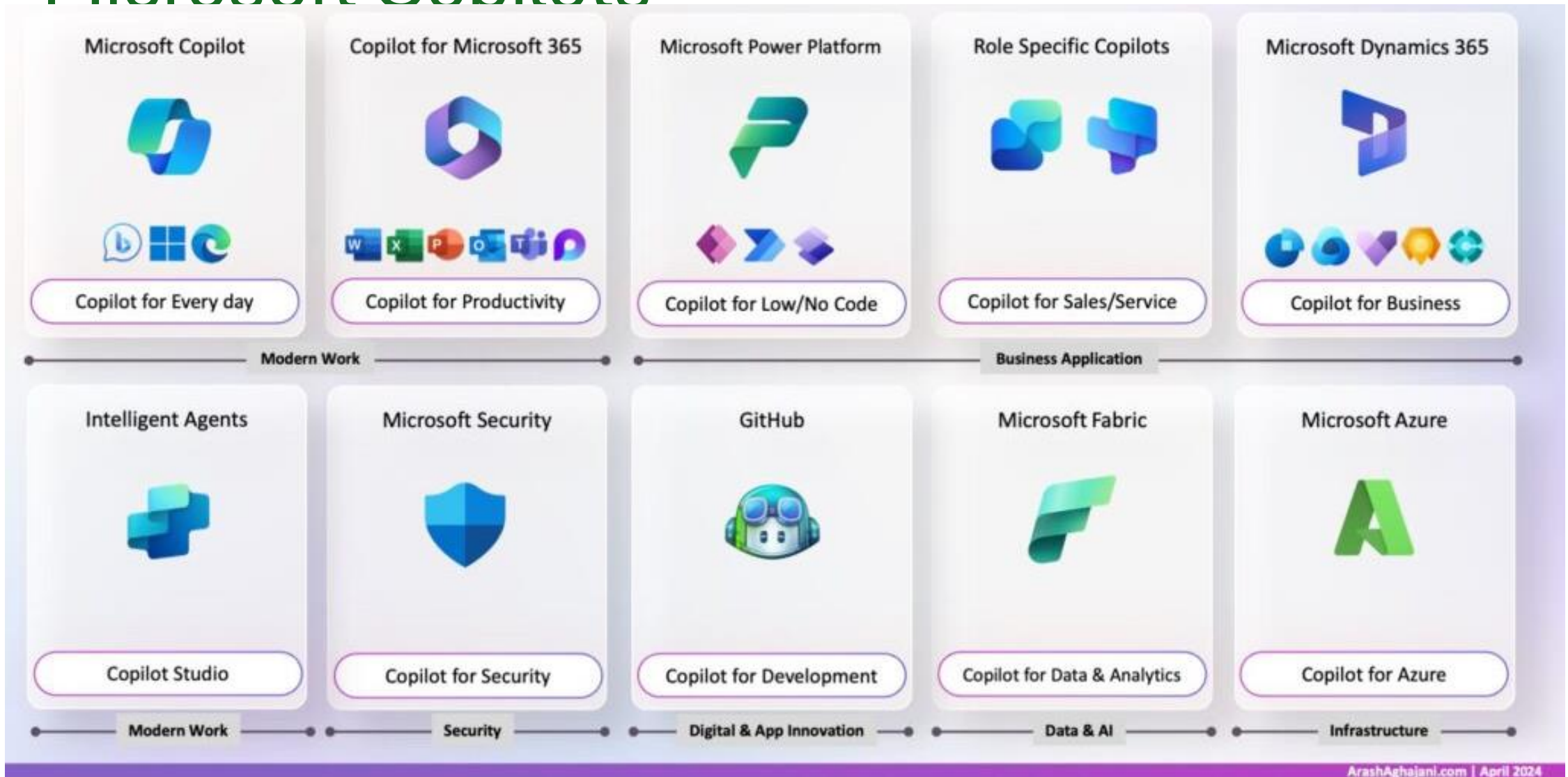
Breakouts – Suggested Milestones

Milestone	Notes	Time
Introductions	Name, expertise and superpowers	5 min
Scenario review and ideation	Review the scenario and ideate on what deliverables you can produce given the time and skillsets on your team. Review as a group <u>or</u> separately then share ideas.	30 min
Planning	Create a plan of attack, deliverables and owners. Remember to use AI / agents for solution development AND incorporate AI and agentic innovations into those solutions!	10 min
Build!	Start building with AI and agents. Make sure you are checking in frequently as a team.	60 min
Prep for readouts	Bring the team's contributions/deliverables together and ensure you are aligned with the vision you outlined. Articulate the solution, AI/agents used and learnings to share in the readout.	15 min

ProTip: Use Copilot to record the session!

Total: 2 hours

Microsoft Copilots



GitHub Copilot's Benefits Extend Beyond Developers...

Development



GitHub
Copilot



Agent
mode



Coding
agent

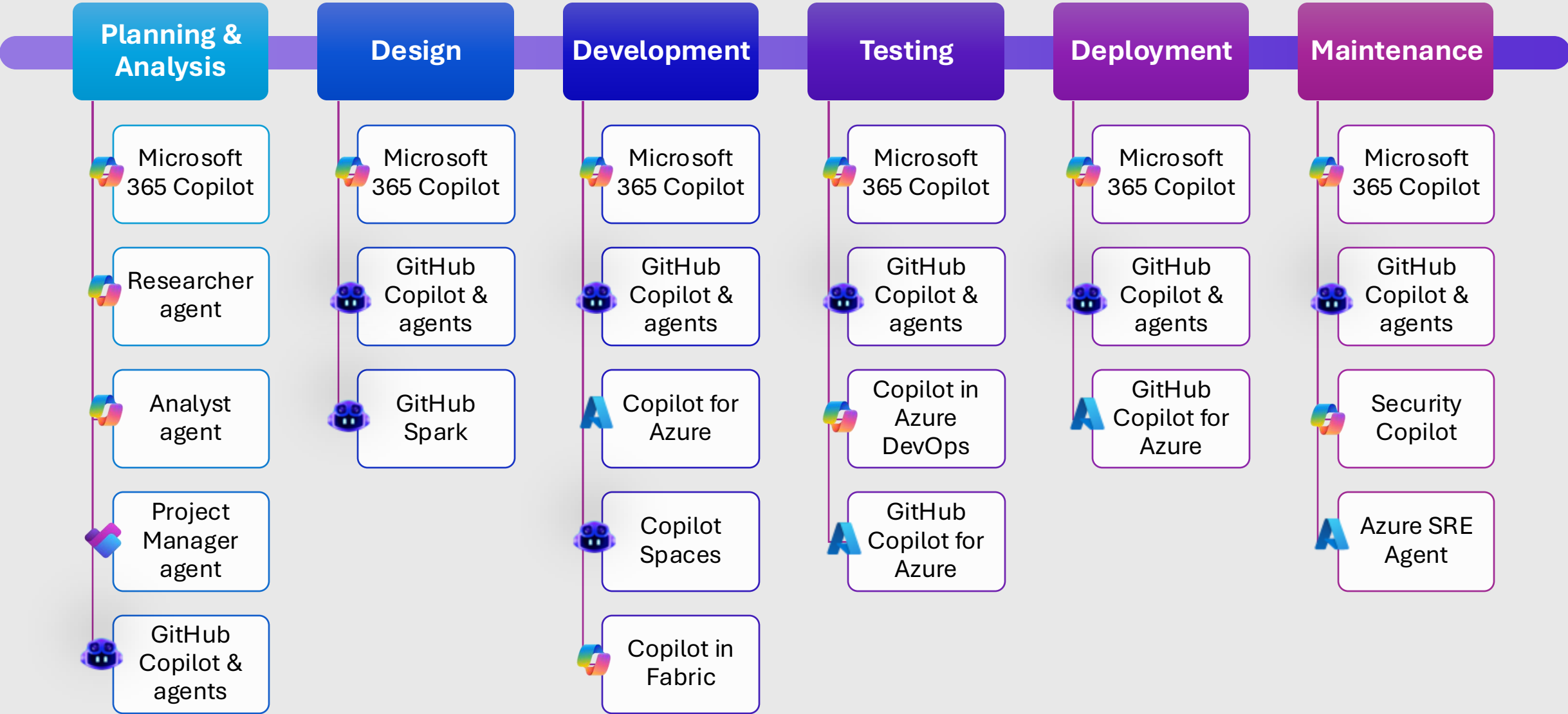


GitHub
Copilot Chat



Copilot
in the CLI

Copilots & Agents Across the SDLC...



Copilots & Agents Across Roles

