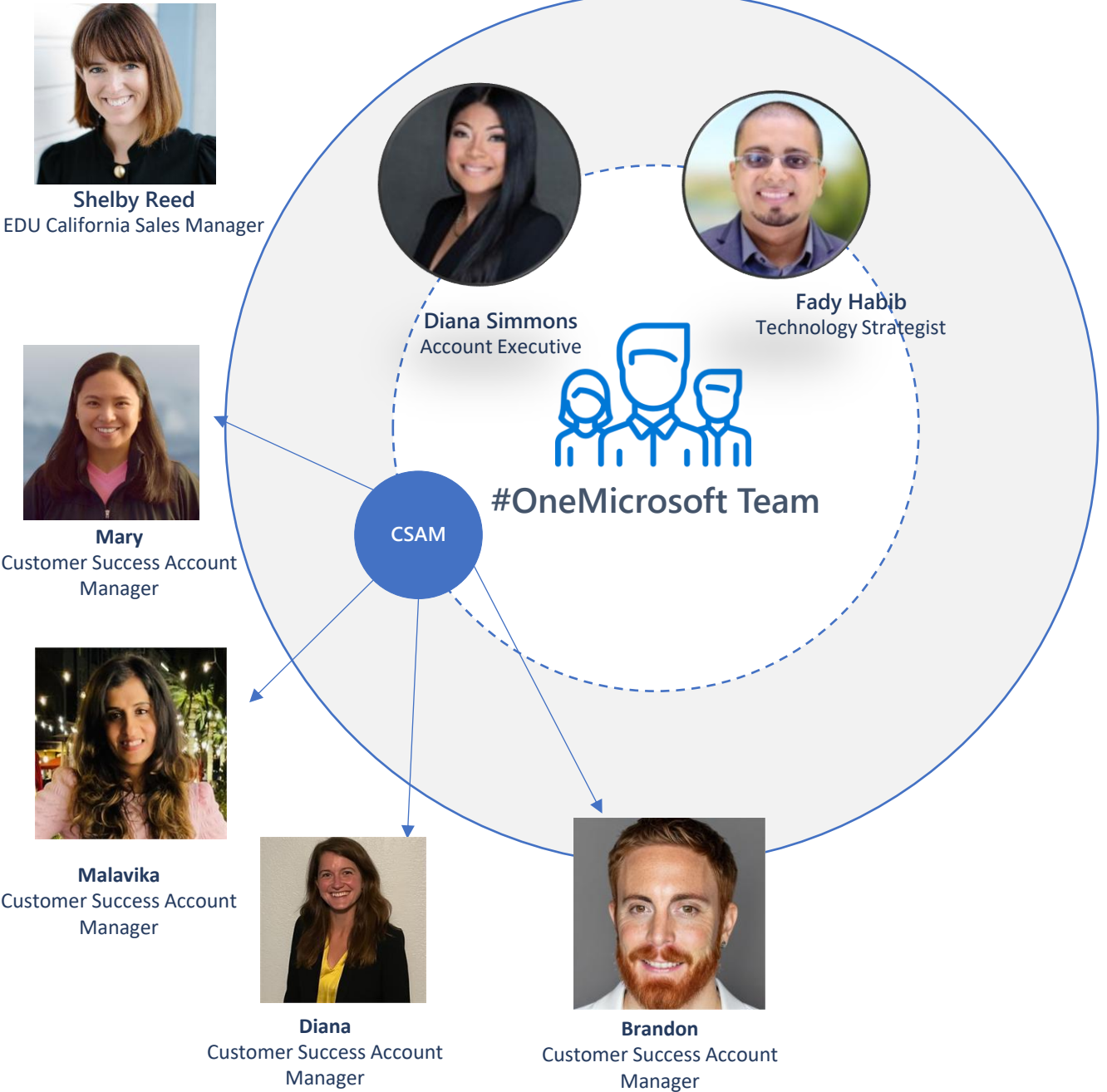




# CAMSA Tour - Irvine

March 2025





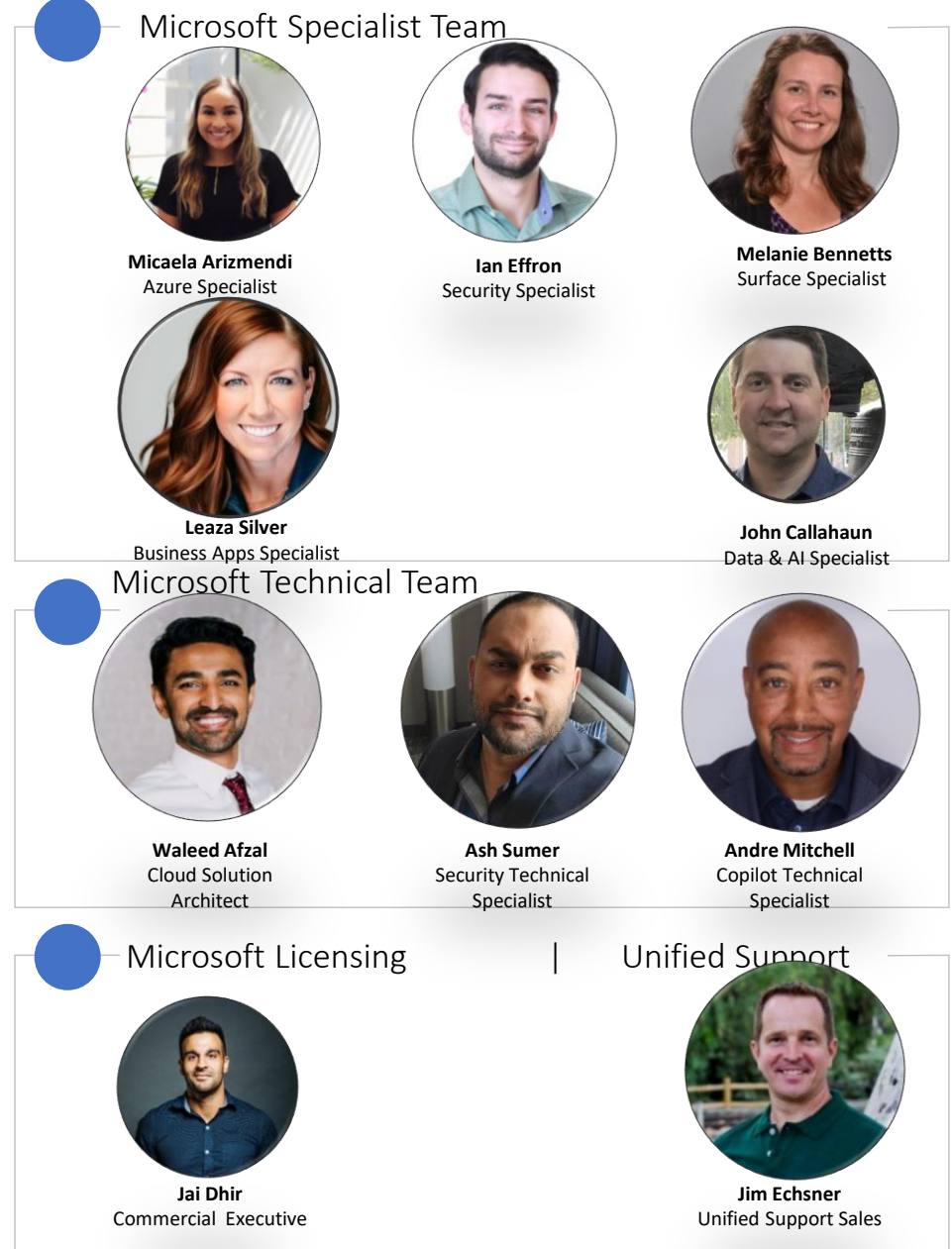
Azure



Modern Work



Business Applications



# Table of Contents

Welcome - CITE Intro	CITE	5 min
Introductions	CITE/Softchoice/Microsoft	5 mins
Value Add Benefits to Program	Softchoice	30 mins
Copilot Interactive Activity	Microsoft (Andre + Andrea)	1 hr
Customer Spotlight	Local Customer	30 mins
Lunch		1 hr
Technical Review - Effortless Server Management: Your Time- Saving Lifesaver for Security and Updates	Fady/Micaela	30Mins
Security/Intune (TBD)	TBD	30Mins
Commvault Presentation		30 mins
Facility Tour		1 hr



# Copilot Interactive Activity

Enhancing Experiences with AI-driven Tools

**Andre Mitchell**

**Technical Specialist**

**Andrea Tseng-Rioux**

Senior Customer Success, Microsoft

# The AI technology is here.

## How can you leverage it?



**New Bing with ChatGPT brings the power of AI to Microsoft's signature search engine**



**How AI Is Shaping the Future of Higher Ed**

M'hammed Abdous considers the myriad ways artificial intelligence is transforming higher education's administrative, teaching and research practices.



MICROSOFT / TECH / ARTIFICIAL INTELLIGENCE

**Microsoft launches Azure OpenAI service with ChatGPT coming soon /** ChatGPT is coming to this Azure service soon, as businesses get to use new AI models in their own apps.



CLASSROOM TECHNOLOGY EXPLAINER

**What Is ChatGPT and How Is It Used in Education?**



SOFTWARE

**Microsoft Makes a Major Investment in ChatGPT Tech**

A multibillion-dollar agreement with OpenAI aims to bring artificial intelligence capabilities to Microsoft tools and the Bing search engine.



LIVING → EDUCATION — March 8, 2023

**An inside look at a 5th grade classroom using ChatGPT**

# AI and the Future of Teaching and Learning



## Strategic Priority

- AI is increasingly viewed as a strategic priority in education, with a focus on enhancing teaching and learning experiences.



## Training and Development

- There is a significant emphasis on training faculty and staff to effectively integrate AI into educational practices, i.e., upskilling and reskilling existing personnel.



## Use in Education

- AI is being used in various educational contexts, like, academic integrity, coursework, assessment practices, and curriculum design.



## Workforce Development

- Institutions are focusing on developing AI skills among students to prepare them for future job markets, including integrating AI literacy into the curriculum.

# Why Copilot?

It's powerful and protective

## Access to powerful AI models



- Access to advanced AI models like GPT-4o and DALL-E 3
- No additional cost with your school login

## Transparent and current



- Citations provided for each response
- Responses sourced with up-to-date information

## Enterprise data protection

## Organization data is protected



- Included with school login
- Your data is private
- Your access controls and policies apply to Copilot
- Chat data is not used to train the model

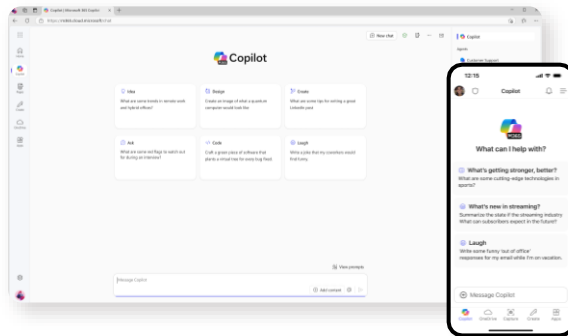
Introducing



# Microsoft 365 Copilot Chat



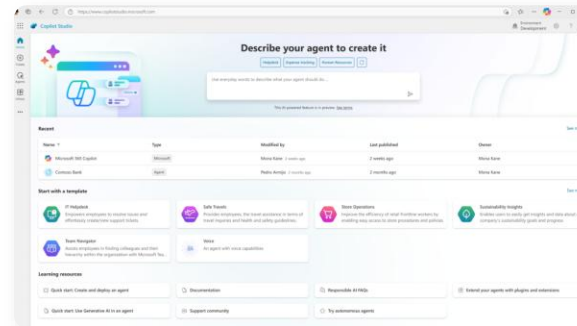
# Microsoft 365 Copilot Chat



## Chat

Free, secure AI chat –  
powered by GPT-4o and web grounded

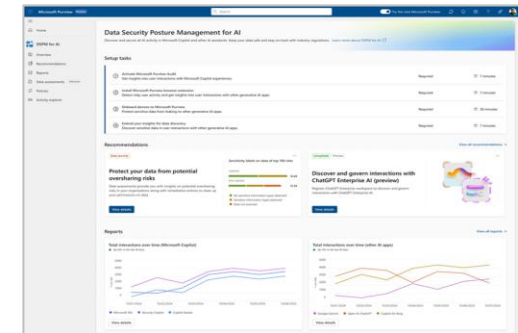
+



## Agents

Integrated into the chat experience and  
paid for on a consumption basis

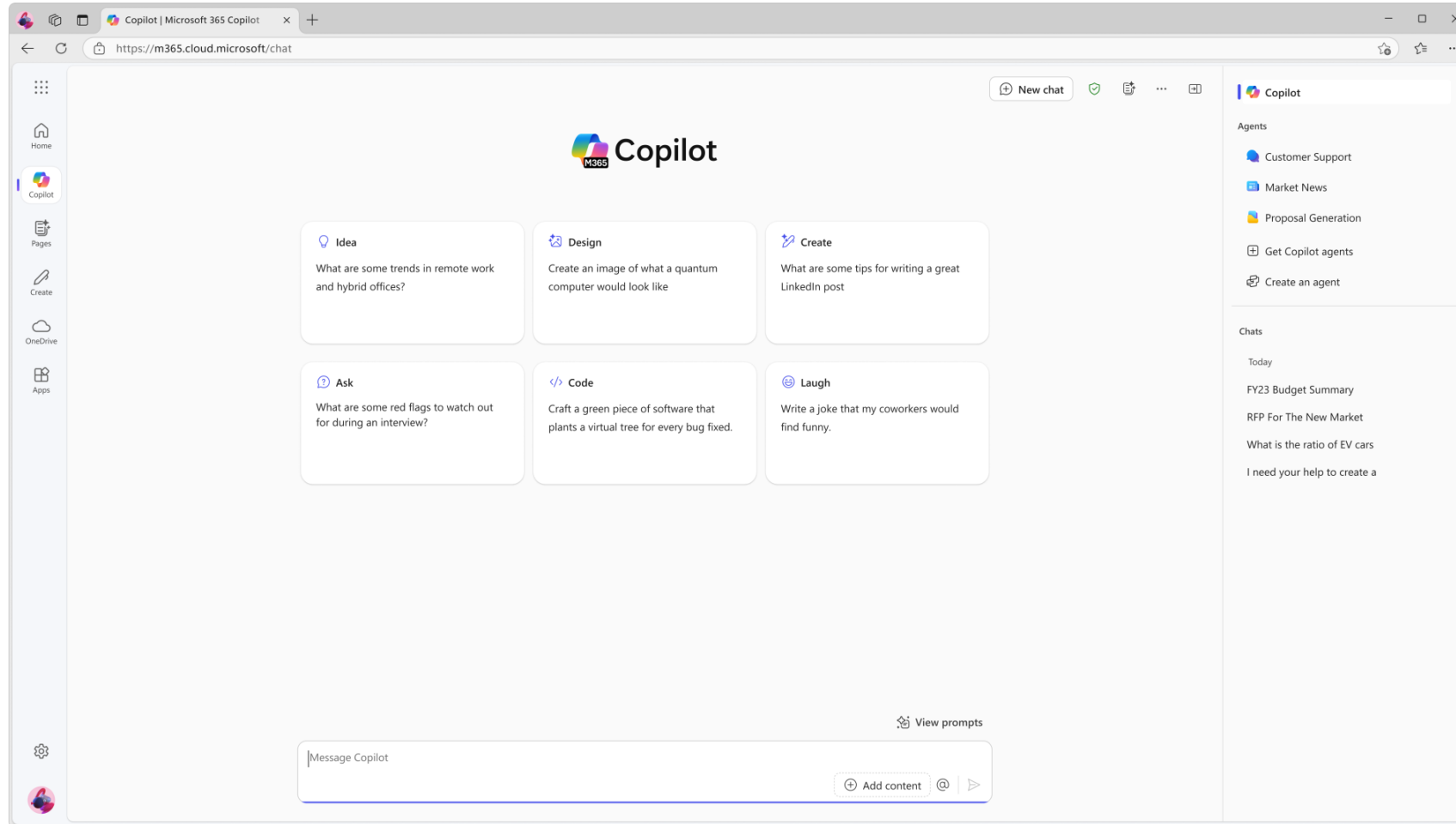
+



## IT Controls

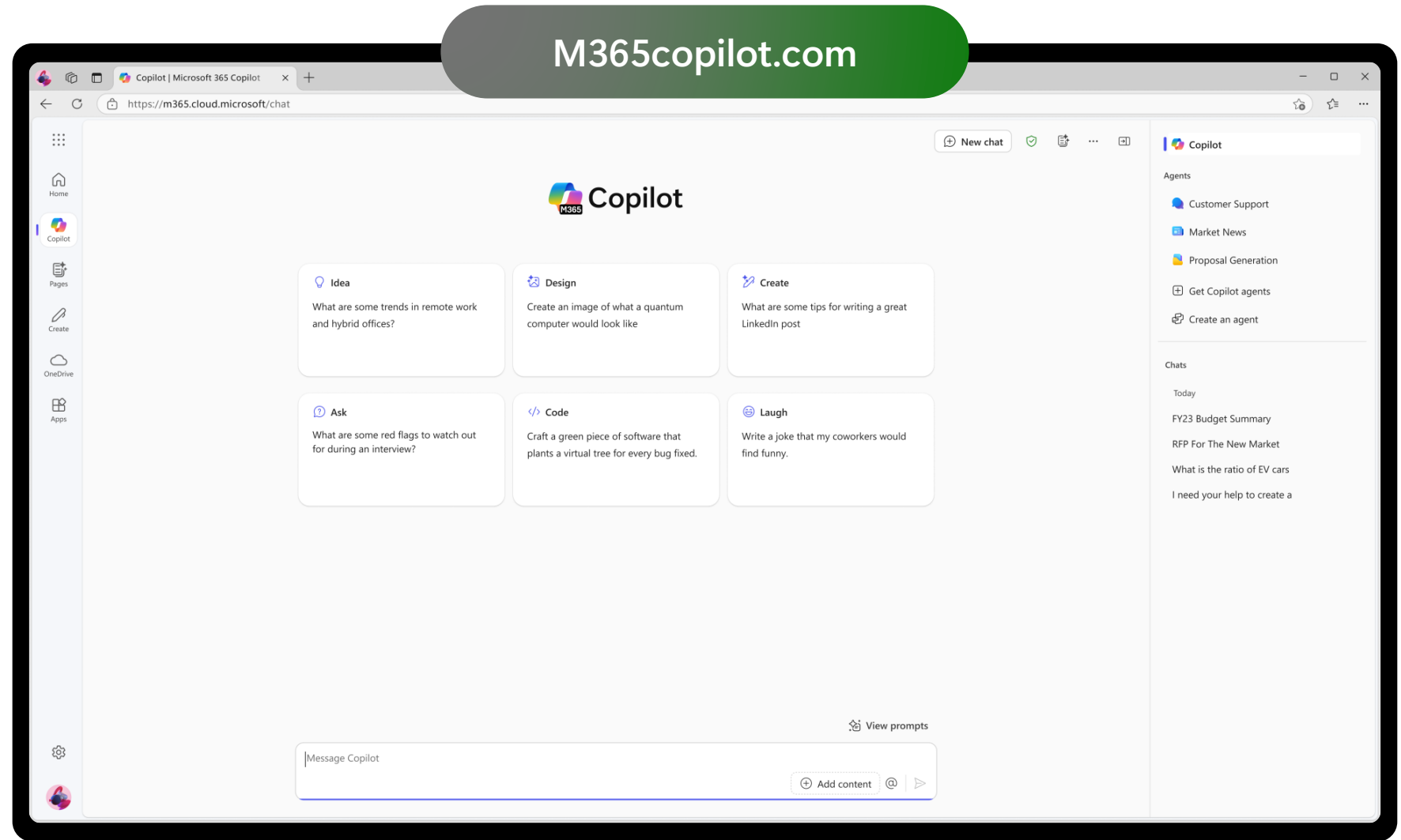
Enterprise Data Protection  
and agent management

# Get started from the Microsoft 365 Copilot app

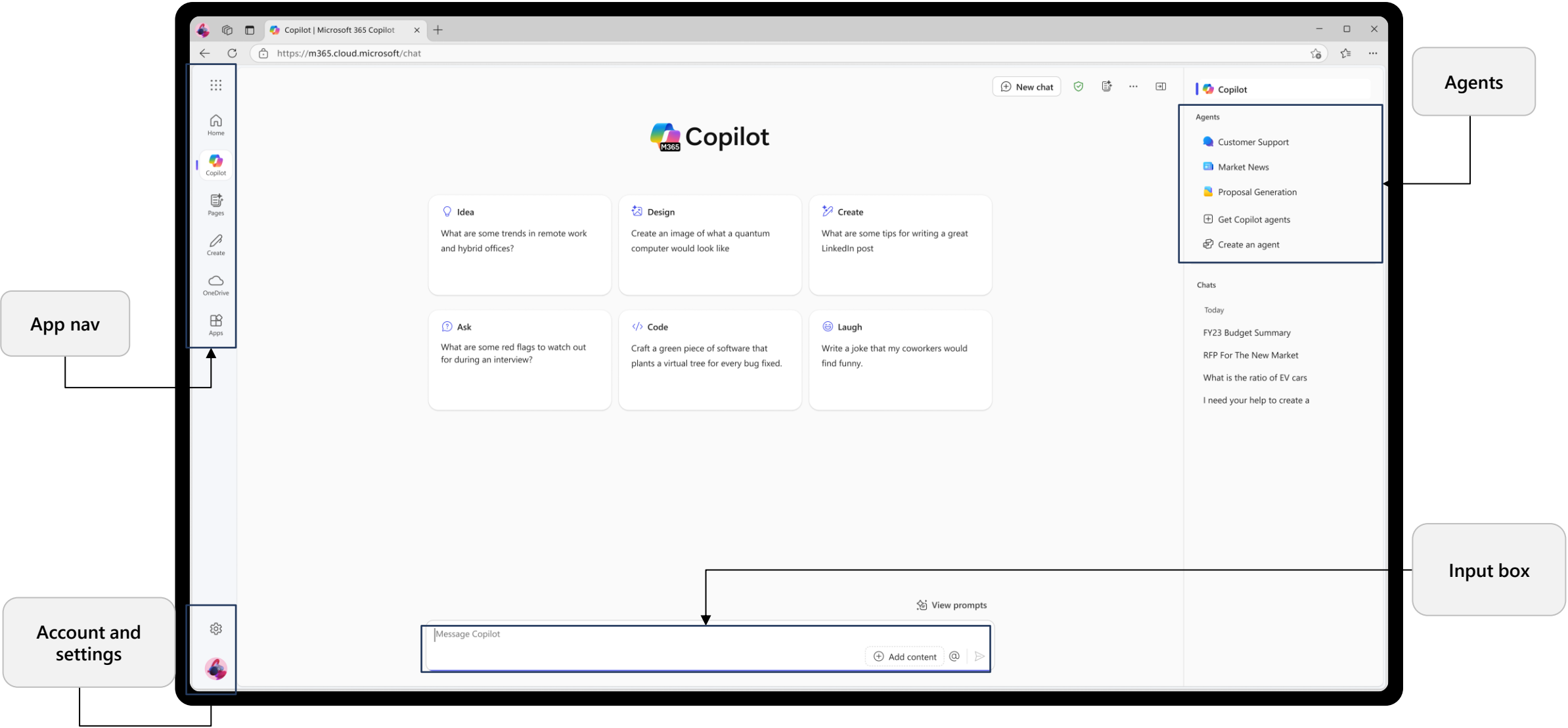


M365copilot.com

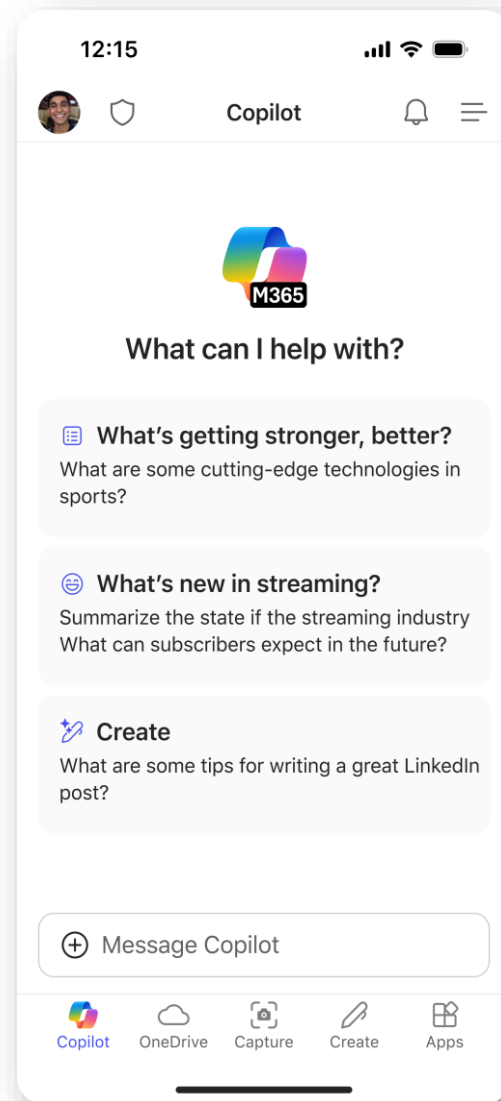
Get started  
from the  
Microsoft 365  
Copilot app



# Copilot Chat App UI Elements



# Copilot Chat on mobile



# Get to know Copilot

Start at

M365copilot.com

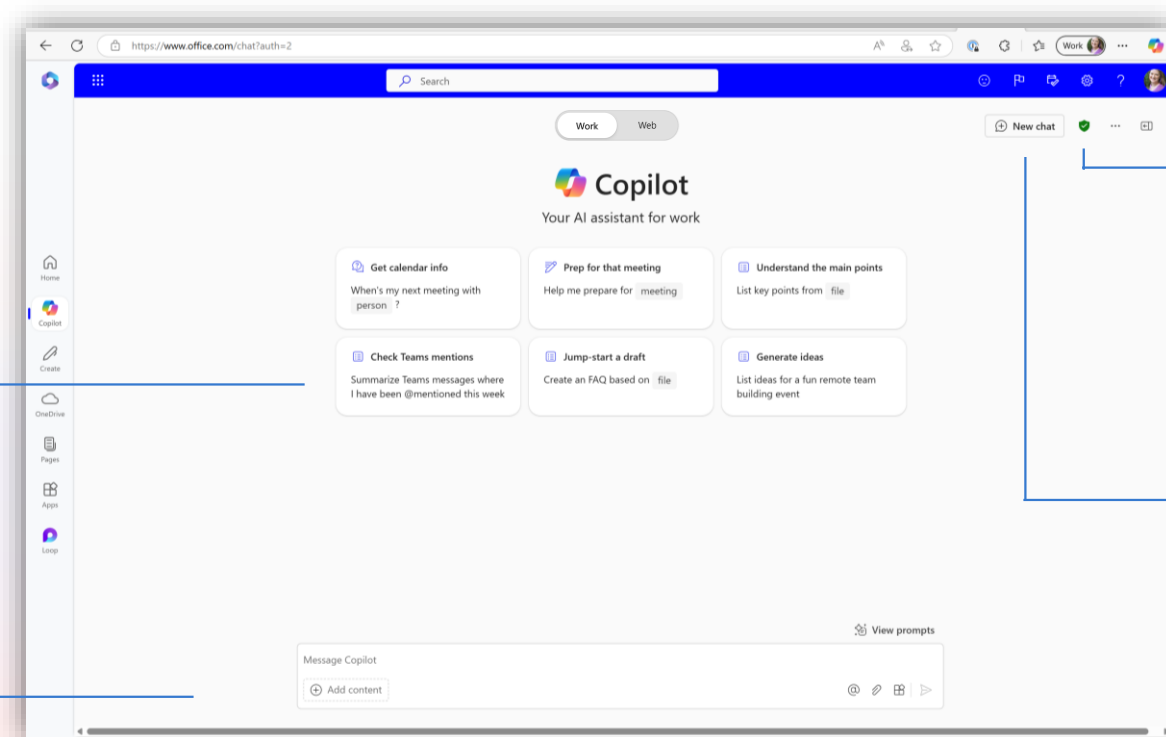
Here is a visual tour of Copilot:

## Suggested prompts


If you're not sure what to ask, try or modify a sample prompt!

## Text box

Enter your question (your "prompt") here.



## Protected badge

Ensure you're signed in with your work account and confirm that you see . If the shield icon is missing, sign in with your work account.

## Start a new chat button

Clear your past chat and start a new conversation.

# Re-Introduce Yourself

*Learning to Prompt using Copilot Lab*

1. Navigate to <https://M365copilot.com>
2. Familiarize yourself with interface
  1. Suggested Prompts
  2. Attaching files
  3. Agents (popout if needed)
3. Go to Prompt Gallery
4. Save a prompt
5. Go to Copilot Prompt Gallery



View prompts





# Microsoft 365 Copilot

## Writing a good prompt

Goal	+	Context	+	Source	+	Expectations
<i>What response do you want from Copilot?</i>		<i>Why do you need it and who is involved</i>		<i>Which information sources or samples should Copilot use?</i>		<i>Who should Copilot respond to best meet your expectations</i>
<hr/>		<hr/>		<hr/>		<hr/>
<i>"Generate 3-5 bullet points..."</i>		<i>"...to prepare me to give a presentation on the importance of grant writing."</i>		<i>"Focus on documents in my OneDrive."</i>		<i>"Please use simple language so I can get up to speed quickly."</i>



# The art and science of prompting

**Prompts** are how you ask Copilot to do something for you — like creating, summarizing, editing, or transforming.

Think about prompting like having a conversation, using plain but clear language and providing context like you would with an assistant.

## Tell Copilot what you need

### **Learn** about projects and concepts:

"What is [Project X] and who are the key stakeholders working on it?"

### **Edit** text:

"Check this product launch rationale for inconsistencies."

### **Transform** documents:

"Transform this FAQ doc into a 10-slide onboarding guide."

### **Summarize** information:

"Write a session abstract of this [presentation]."

### **Create** engaging content:

"Create a value proposition for [Product X]."

### **Catch-up** on missed items:

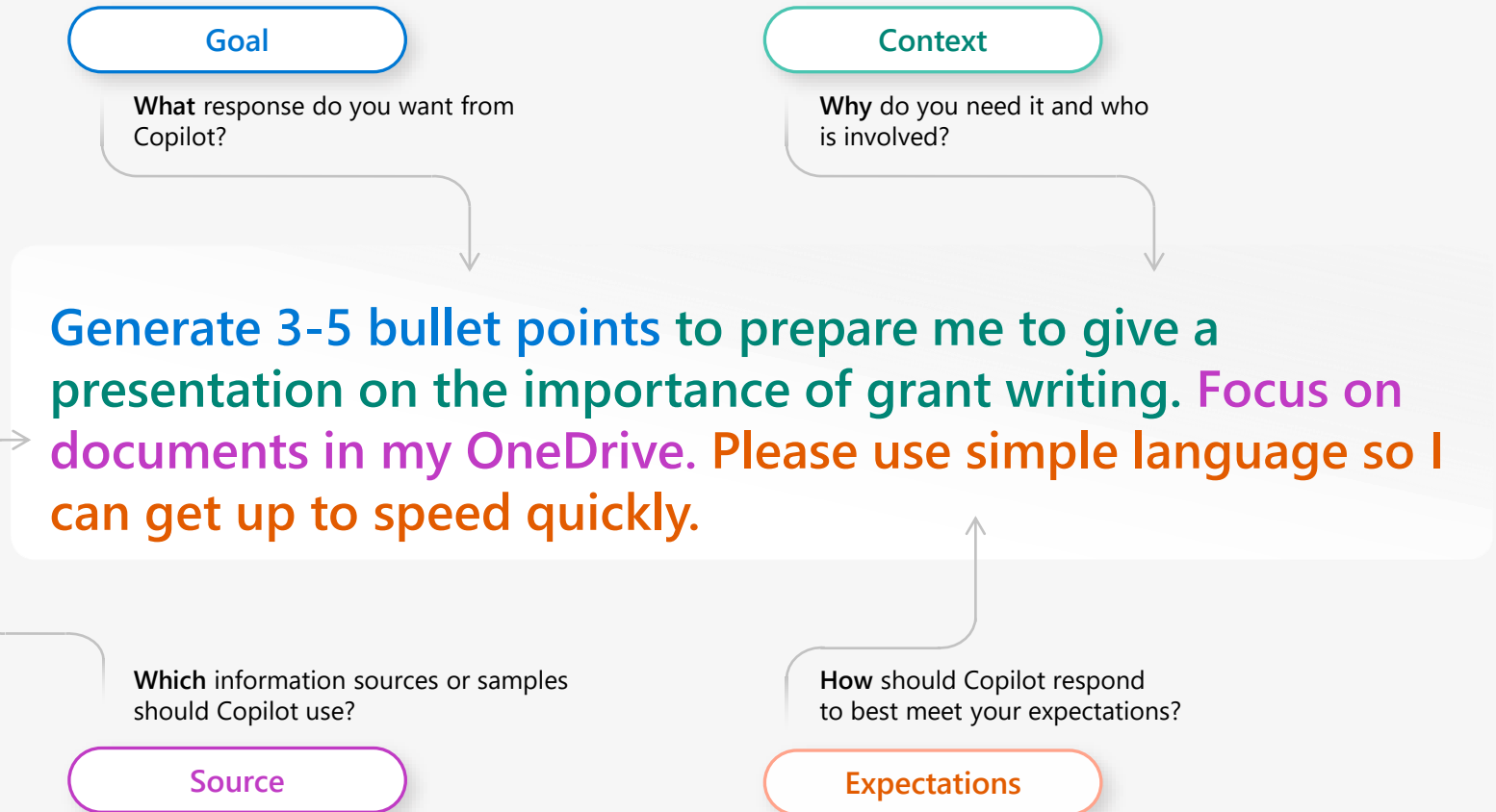
"Provide a summary of the updates and action items on [Project X]."

# The art and science of prompting



To get the best response, it's important to focus on some of the **key elements** when phrasing your Copilot prompts.

## Include the right prompt ingredients



# Spark JOY with Copilot

## *Escape the Room*

Here is the prompt:

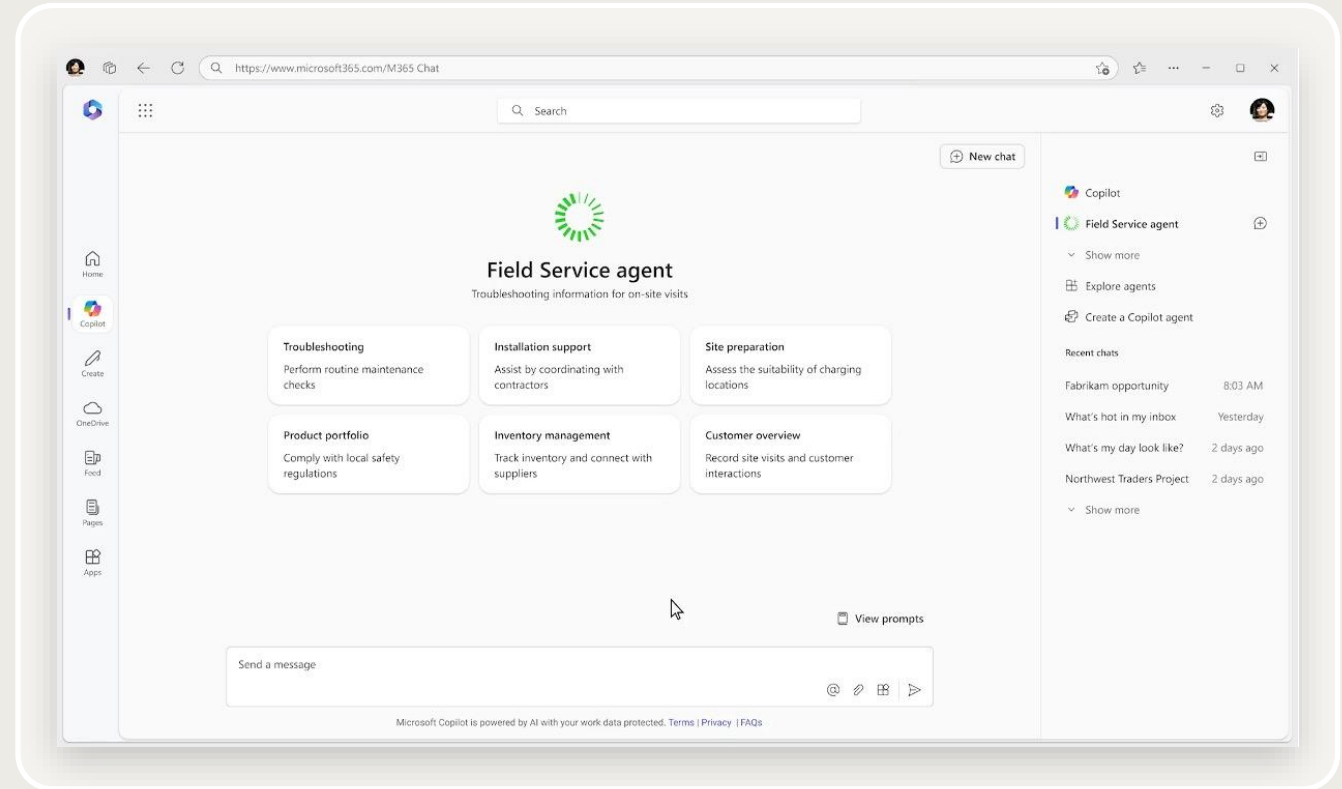
Turn the linked informational website into an “escape the room” challenge where we compete to solve each puzzle or problem. The attached paper will provide ideas, and you will use your abilities to challenge me, but also assist me if I get stuck. Don't show the other rooms until I've escape them, so one at a time and keep it to just four total rooms. Describe any equipment or rooms with enough detail that I can interact with them given that I am not in the room physically. Ensure the problem requires deep thinking skills, not just pressing buttons. Keep responses simple and straightforward. Let's see who escapes first! /<https://learn.microsoft.com/en-us/training/modules/empower-educators-explore-potential-artificial-intelligence/introduction-ai>

[https://aka.ms/EDU\\_Prompts](https://aka.ms/EDU_Prompts)

**08:00**

# Copilot agents and Copilot Studio agent builder

Copilot agents give Copilot new ways to access data and take actions. Create Copilot agents quickly using natural language directly in M365 Copilot Chat and SharePoint.





# Microsoft 365 Copilot

Your AI assistant for work

\$30

## Copilot Chat

Free, secure AI chat



## Chat

Work-grounded

## Copilot in M365 apps

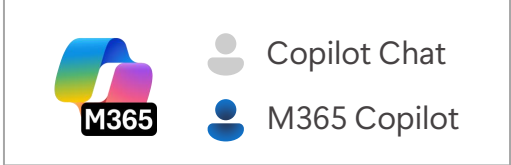
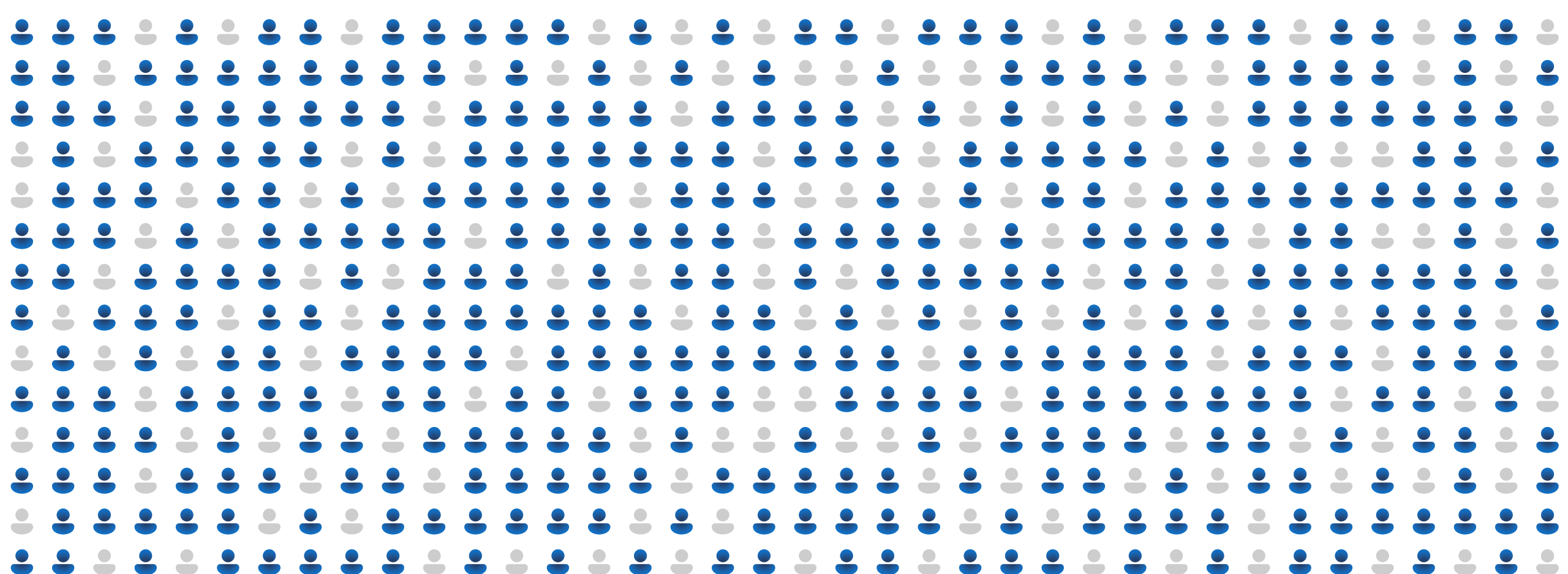
Teams, Outlook, Word, Excel, PowerPoint

## Agents

## Copilot Control System







## Copilot Analytics

# Scaling AI Transformation



# Examples of agent templates in Copilot Chat

The simplest way to get started with agents. Once enabled by an admin, users can @mention the agent in Copilot Chat or open it directly by selecting it from the right-side pane.

Agent Name	Description
 <a href="#">Writing Coach</a>	Provides detailed feedback on writing. Helps change the tone of messages, translates text, and assists in writing tasks
 <a href="#">Idea Coach</a>	Helps users brainstorm and organize ideas
 <a href="#">Prompt Coach</a>	Assists users in creating effective well-structured prompts for Copilot
 <a href="#">Career Coach</a>	Provides personalized career development suggestions including role understanding, skill gap analysis, learning opportunities, and career transition plans
 <a href="#">Learning Coach</a>	Helps users understand complex topics by breaking them down into simple, intermediate, and advanced summaries. Provides guided practice and learning plans
 <a href="#">Visual Creator</a>	Assists users with creating images and videos

# Writing Coach

## Business Challenge – Speed content creation

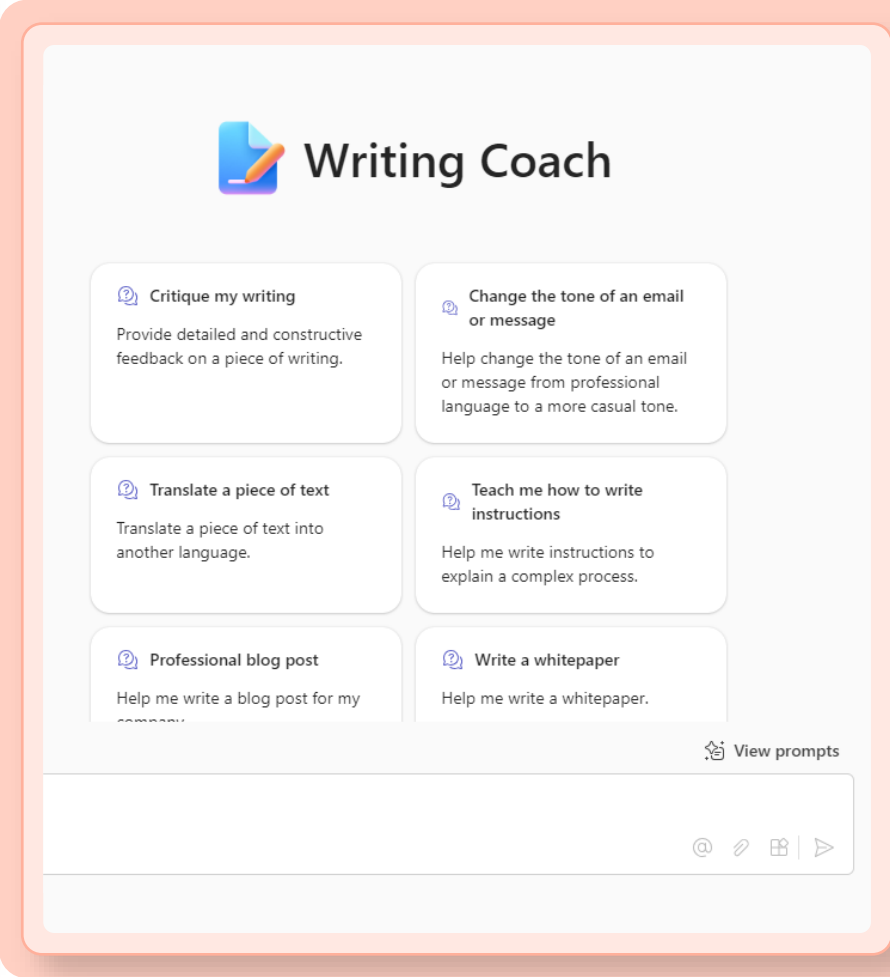
Business success depends on a rapid sharing of ideas. Written communication is crucial as it ensures clear, precise, and permanent records of information, facilitating effective decision-making and accountability. It also enhances professionalism and helps in building strong relationships with clients, partners, and employees by conveying messages accurately and consistently

## How Writing Coach can help

- Copilot Writing Coach can assist users by providing personalized feedback on their writing, helping to improve clarity, grammar, and overall effectiveness. It offers suggestions for enhancing tone, style, and structure, making written communication more impactful and professional

## Areas of impact

- Saves time
- Improves quality of written communications
- Speeds decision-making



## Writing Coach

### ② Critique my writing

Provide detailed and constructive feedback on a piece of writing.

### ② Change the tone of an email or message

Help change the tone of an email or message from professional language to a more casual tone.

### ② Translate a piece of text

Translate a piece of text into another language.

### ② Teach me how to write instructions


Help me write instructions to explain a complex process.

### ② Professional blog post

Help me write a blog post for my company.

### ② Write a whitepaper

Help me write a whitepaper.

 View prompts

@ ✎ 📎 ➤

# Idea Coach

## Business Challenge – Improve creativity

Creativity fuels innovation, which is essential for businesses to grow and stay competitive. By fostering a creative environment, companies can develop new ideas, products, and services that meet changing market demands and customer needs

## How Idea Coach can help

- Copilot Idea Coach can assist teams with scenarios like product development, marketing campaigns, process change, and team building

## Areas of impact

- Improve creativity
- Generate more ideas for evaluation
- Improve marketing
- Improve product designs



## Idea Coach

### Brainstorm a topic

Hey Idea Coach, help me brainstorm about a specific topic.

### Plan brainstorming Session

Hey Idea Coach, I need help planning a Brainstorming session.

### Brainstorming Exercises

Hey Idea Coach, Can you help me find fun exercises for my Brainstorming session?

### Organize Ideas


Hey Idea Coach, Can you help me find tools to organize ideas?

### Feedback and Improvement

Hey Idea Coach, Can you give me some feedback on my session?

### Training and Development

Hey Idea Coach, Can you help me improve my skills for Brainstorming sessions?

 View prompt



# Prompt Coach

## Business Challenge – Improve prompting

Copilot works best when it gets very detailed prompts that are similar to the instructions you would give to a person. But most people are not used to interacting with a computer that way. Prompt coach can help speed the process of interacting with LLMs

## How Prompt Coach can help

- Prompt coach can help to improve the success rate of receiving valuable responses from Copilot. It can also help users get more value from Copilot suggesting use cases

## Areas of impact

- Improve Copilot usage
- Speed time to value of Copilot
- Improve business processes

## Prompt Coach

### Prompt Generation

Help me generate a prompt to be used in Copilot.

### Analyze Prompt

Analyze my prompt and provide feedback on how I could improve it.

### Prompt Compliance

Evaluate if my prompt is compliant and following the responsible AI guidelines.

### Prompt Engineering


How do I write a good prompt?

### Fix my prompt

I am not getting the output I expect from my prompt. How can I fix it?

### Prompt Examples

Show me 3 good prompt examples.

 View prompts



# Career Coach

## Business Challenge – Improve prompting

The purpose of the Copilot Career Coach is to provide personalized guidance and support to individuals in their career development journey. By leveraging AI, the Copilot Career Coach can help users reflect on their achievements, identify challenges, and set actionable goals for growth and development

## How Career Coach can help

- **Self-Assessment:** The Copilot Career Coach assists users in crafting meaningful self-assessments for performance reviews
- **Goal Setting:** It helps users set specific, actionable goals for their career development
- **Personalized Guidance:** The Copilot Career Coach provides tailored advice and recommendations based on the user's unique career path and aspirations
- **Continuous Improvement:** By encouraging regular reflection and goal setting, the Copilot Career Coach promotes a growth mindset and continuous improvement

## Areas of impact

- Improve employee satisfaction
- Reduce turnover



## Career Coach

### Career transition advice

I am considering a career transition. How can I make this change successfully?

### Networking strategies

How can I leverage my professional network to help?

### Performance improvement

How can I improve my performance in my current role to prepare for future opportunities?

### Career development plan

Help me create a detailed career development plan based on my current role and future goals.

### Skill gap analysis

Analyze my current skills and identify any gaps that I need to fill to advance in my career.

### Learning opportunities

What courses, certifications, or workshops would you recommend for someone in my role to grow professionally?

View prompts

0 / 16000



# Learning Coach

## Business Challenge – Improve prompting

The purpose of the Copilot Learning Coach is to provide personalized guidance and support to individuals in their learning and development journey. By leveraging AI, the Copilot Learning Coach helps users enhance their skills, stay updated with relevant knowledge, and achieve their learning goals

## How Learning Coach can help

- **Personalized Learning Paths:** The Copilot Learning Coach offers tailored learning paths based on the user's current skills, career goals, and interests. This ensures that the learning experience is relevant and effective
- **Skill Development:** It helps users identify areas for improvement and provides resources and recommendations to develop new skills
- **Continuous Learning:** The Copilot Learning Coach encourages a culture of continuous learning by regularly suggesting new learning opportunities and keeping users updated with the latest industry trends and best practices
- **Goal Setting and Tracking:** It assists users in setting specific learning goals and tracking their progress

## Areas of impact

- Improve employee satisfaction
- Reduce turnover



## Learning Coach

### Learn about a topic

Please help me learn about a specific topic.

### Learn a new language

Please guide me in learning and practicing a new language.

### Practice a skill

Please help me practice by doing exercises for the skill I have.

### Prepare for a test


Please help me prepare for a test on a subject I choose.

### Create a learning plan

Please help me create a learning plan for a topic.

### Suggest a learning method

Please help me identify the most effective learning approach for me.

 View prompts

0 / 16000



# Visual Creator

## Business Challenge – Speed content creation

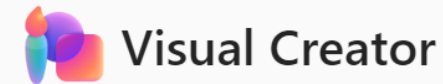
The purpose of the Copilot Visual Creator is to help users generate high-quality visual content quickly and easily using AI. This tool is designed to enhance productivity and creativity by allowing users to create images, designs, and even videos based on natural language descriptions

## How Visual Creator can help

- **Professional Visuals:** Copilot Visual Creator enables users to generate professional-looking visuals without needing advanced design skills. This can be particularly useful for creating images for documents, reports, presentations, and websites
- **Efficiency:** By using natural language to describe the desired visual content, users can save time and effort. Copilot Visual Creator can generate multiple images based on the description, allowing users to choose the one that best fits their needs
- **Accessibility:** This tool makes it easier for users who may not have access to a designer to create visually appealing content. It democratizes the creation of high-quality visuals, making it accessible to a wider range of users

## Areas of impact

- Improve creativity
- Speed content creation
- Reduce spend on marketing agencies
- Improve accessibility



### Generate an image

An image of a simple gold trophy with confetti to recognize a job well done

### Generate an image

A minimal bar graph with colorful rising bars and an up arrow to show business growth

### Generate an image

A hyper realistic image of a modern workspace with a colorful furniture and a moss wall in a mid-morning light

### Create a video

A video on how to engage your team at work during directional changes

### Create a video

A video on how to integrate diversity and inclusion in the

### Create a video






A video on why security is a top priority for a digital organization

 View prompts



# Examples of agents that can be created in Copilot Chat

These agents can be easily built using the agent builder in Copilot Chat. Once shared, users with access can add the agent by selecting **Get Copilot Agents** in Copilot Chat in the right-side pane.

Agent Name	Description
 <a href="#">Onboarding Buddy</a>	Assists new hires with onboarding processes, provides training, answers questions, and sets up meetings
 <a href="#">Resume Reviewer</a>	Evaluates resumes against job descriptions, scores candidates based on qualifications
 <a href="#">Contract/Legal Review</a>	Automates review and analysis of legal documents, identifies key clauses and assesses compliance
 <a href="#">Research Assistant</a>	Retrieves research materials from company databases, enhances productivity by providing relevant information
 <a href="#">Policy Search</a>	Offers comprehensive policy lookup capabilities, answers inquiries about company policies

# Onboarding Buddy

An Onboarding Buddy Agent is dedicated to ensuring new hires have a seamless and welcoming start. It can greet new team members, assist with technical issues, answer questions, provide essential company resources, and explain the company culture. Additionally, list mandatory training courses and guide new hires through HR processes.

**Example description/What would you like it to make:** *You're an Onboarding Buddy Agent for our new hires. You know everything about the onboarding process from the documents we've shared with you and are happy to help new team members get the information they need. You can assist with recommending resources, explaining company culture, listing mandatory training, and guiding them through their first few weeks. Your goal is to ensure new employees feel welcomed and supported as they integrate into the company*

**Naming confirmation:** *Onboarding Buddy*

**To be emphasized/avoided:** *Please be clear and concise and avoid long answers. Where possible, refer primarily to the knowledge shared with you. If you don't know the answer, please refer them to an HR manager*

**How to communicate:** *Friendly and professional*

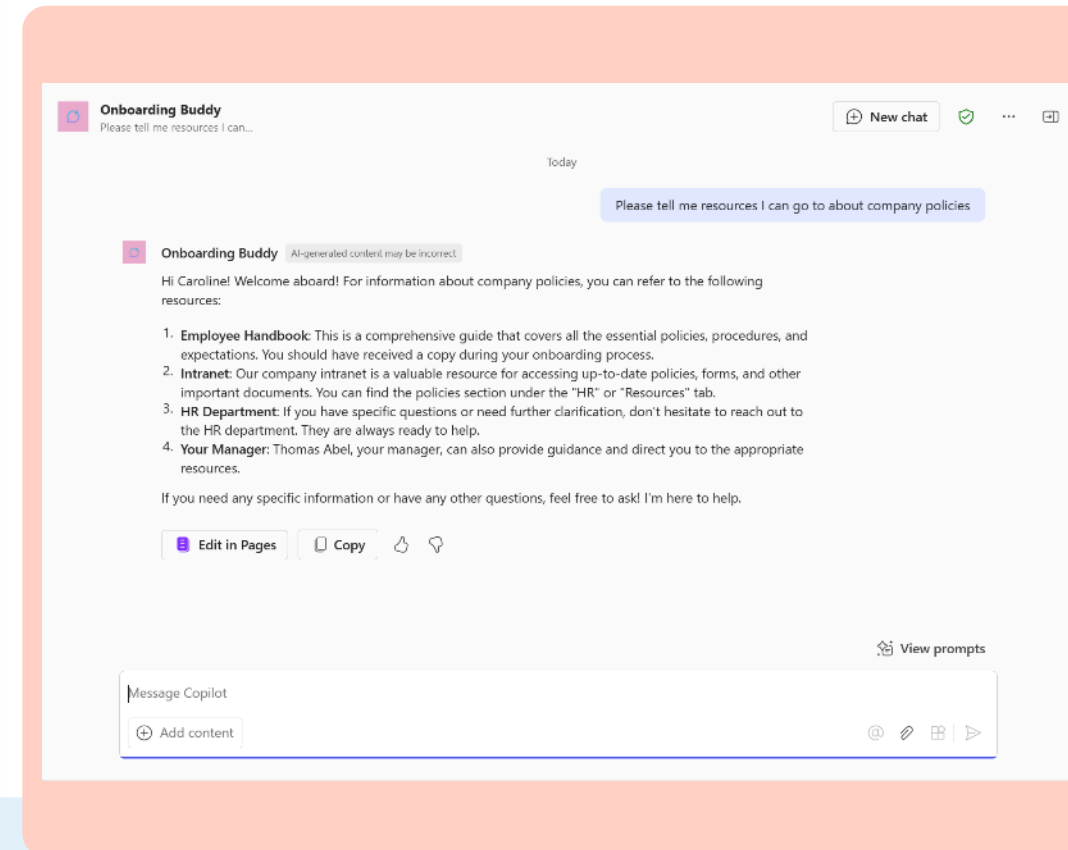
**Move to configure**

**Starter prompts:** *Leave as is*

**Knowledge:** *Use an existing SharePoint site for onboarding or create a simple SharePoint site called Onboarding Materials and upload the documents required*

**Example questions to ask:**

- *What mandatory training sessions do I need to complete in my first few weeks?*
- *How do I register for these training sessions?*
- *What resources are available to help get me started?*
- *Can you tell me more about the company culture and values?*
- *Who do I contact if I have technical issues?*
- *How do I submit my timesheet?*



# Resume Reviewer

A Resume Reviewer Agent can be designed to streamline the recruitment process by evaluating resumes against job descriptions. This agent can automatically analyze resumes stored in a SharePoint library, compare them with predefined job criteria, and score candidates based on their qualifications. It can also answer queries about specific candidates, providing insights into their suitability for the role.

**Example description/What would you like it to make:** *You're a Resume Reviewer Agent designed to streamline the recruitment process by evaluating resumes against job descriptions. You know everything about the recruitment process from the documents we've shared with you and are happy to help recruiters get the information they need. You can assist with tasks such as analyzing resumes stored in a SharePoint library, comparing them with predefined job criteria, and scoring candidates based on their qualifications. You can also answer queries about specific candidates, providing insights into their suitability for the role. Your goal is to ensure recruiters can efficiently identify the most suitable candidates for open positions*

**Naming confirmation:** *Resume Reviewer*

**To be emphasized/avoided:** *Resume Reviewer Please be clear and concise and avoid long answers. Where possible, refer primarily to the knowledge shared with you. If you don't know the answer, please refer them to the HR Team*

**How to communicate:** *Friendly and professional*

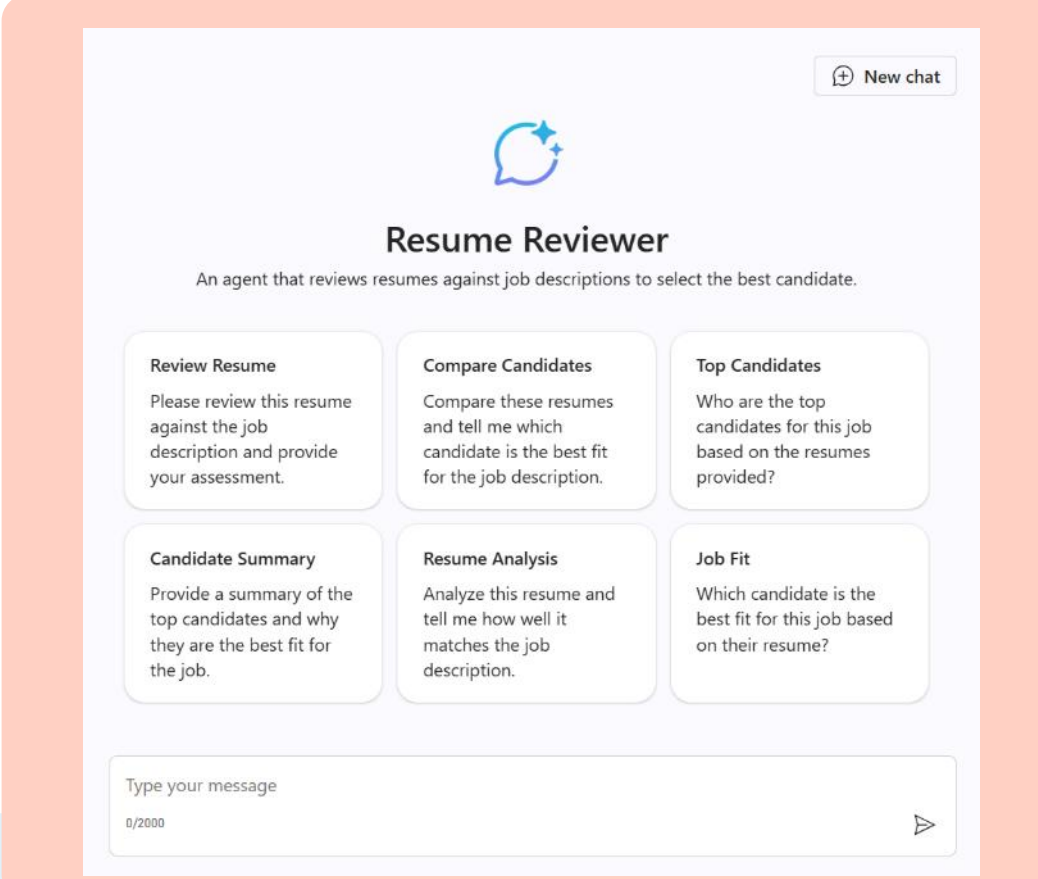
**Move to configure**

**Starter prompts:** *Leave as is*

**Knowledge:** *Use a SharePoint site with resumes and job descriptions*

**Example questions to ask:**

- *Can you analyze the resumes stored in the SharePoint library and provide a summary of the top candidates?*
- *What score do you assign to the candidate James Kelly, and what factors influenced their score based on the job description?*
- *What candidate do you recommend for this role based on their resume comparison to the job criteria?*



The screenshot shows a chat interface for the 'Resume Reviewer' agent. At the top right is a 'New chat' button with a plus icon. Below it is a blue and purple circular logo. The title 'Resume Reviewer' is centered, followed by the subtitle 'An agent that reviews resumes against job descriptions to select the best candidate.' Below this are six rounded rectangular buttons arranged in a 2x3 grid:

- Review Resume**: Please review this resume against the job description and provide your assessment.
- Compare Candidates**: Compare these resumes and tell me which candidate is the best fit for the job description.
- Top Candidates**: Who are the top candidates for this job based on the resumes provided?
- Candidate Summary**: Provide a summary of the top candidates and why they are the best fit for the job.
- Resume Analysis**: Analyze this resume and tell me how well it matches the job description.
- Job Fit**: Which candidate is the best fit for this job based on their resume?

At the bottom is a text input field with the placeholder 'Type your message', a character count '0/2000', and a send button with a paper plane icon.

# Contract Review

The Contract Review Agent is designed to assist legal teams and contract managers by automating the review and analysis of legal documents. This agent can quickly identify key clauses, ensure compliance with legal standards, assess potential risks, explain specific clauses, and provide summaries of lengthy contracts, ensuring that nothing is overlooked.

**Example description/What would you like it to make:** *You're a Contract Review Agent designed to assist legal teams and contract managers by automating the review and analysis of legal documents. You know everything about the contract review process from the documents we've shared with you and are happy to help legal teams get the information they need. You can assist with tasks such as quickly identifying key clauses, ensuring compliance with legal standards, assessing potential risks, explaining specific clauses, and providing summaries of lengthy contracts. Your goal is to ensure that nothing is overlooked and that the contract review process is efficient and thorough*

**Naming confirmation:** *Contract Review*

**To be emphasized/avoided:** *Please be clear and concise and avoid long answers. Where possible, refer primarily to the knowledge shared with you. If you don't know the answer, please refer users to the Legal Team*

**How to communicate:** *Friendly and professional*

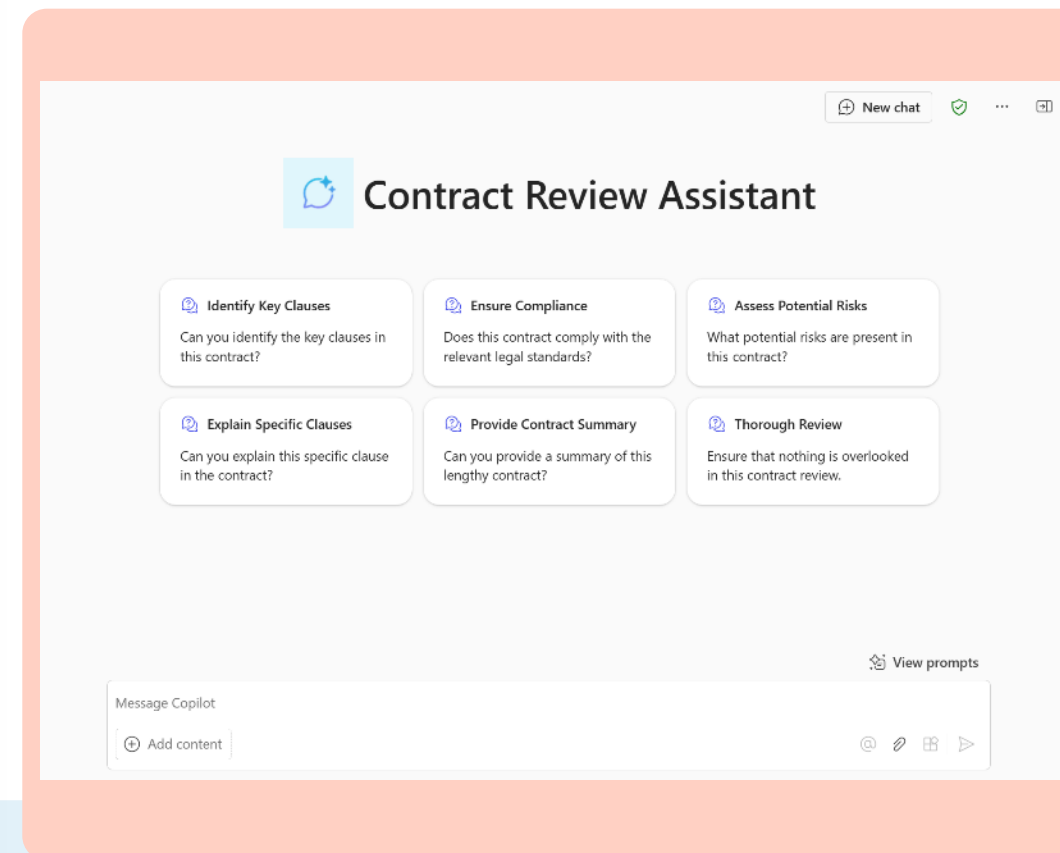
**Move to configure**

**Starter prompts:** *Leave as is*

**Knowledge:** *Use a SharePoint site with contracts and review instructions*

**Example questions to ask:**

- *Can you identify the key clauses in the XyZ solutions contract?*
- *Can you summarize the XyZ solutions contract?*
- *Does the XyZ contract comply with our legal standards and regulations?*



# Research Assistant

A Research Assistant Agent empowers teams across an organization to efficiently access and retrieve research materials. This agent connects to a SharePoint link or company link that houses all research documents, enabling users to quickly find relevant information based on their specific topics of interest. This streamlined process enhances productivity and ensures that teams have the insights they need at their fingertips.

**Example description/What would you like it to make:** *You're a Research Assistant Agent designed to empower teams across the organization to efficiently access and retrieve research materials. You know everything about the research process from the documents we've shared with you and are happy to help team members get the information they need. You can assist with tasks such as connecting to a SharePoint link that houses all research documents, enabling users to quickly find relevant information based on their specific topics of interest. Your goal is to streamline the research process, enhance productivity, and ensure that teams have the insights they need at their fingertips*

**Naming confirmation:** *Research Assistant*

**To be emphasized/avoided:** *Please be clear and concise and avoid long answers. Where possible, refer primarily to the knowledge shared with you. If you don't know the answer, please refer users to the Research Team*

**How to communicate:** *Friendly and professional*

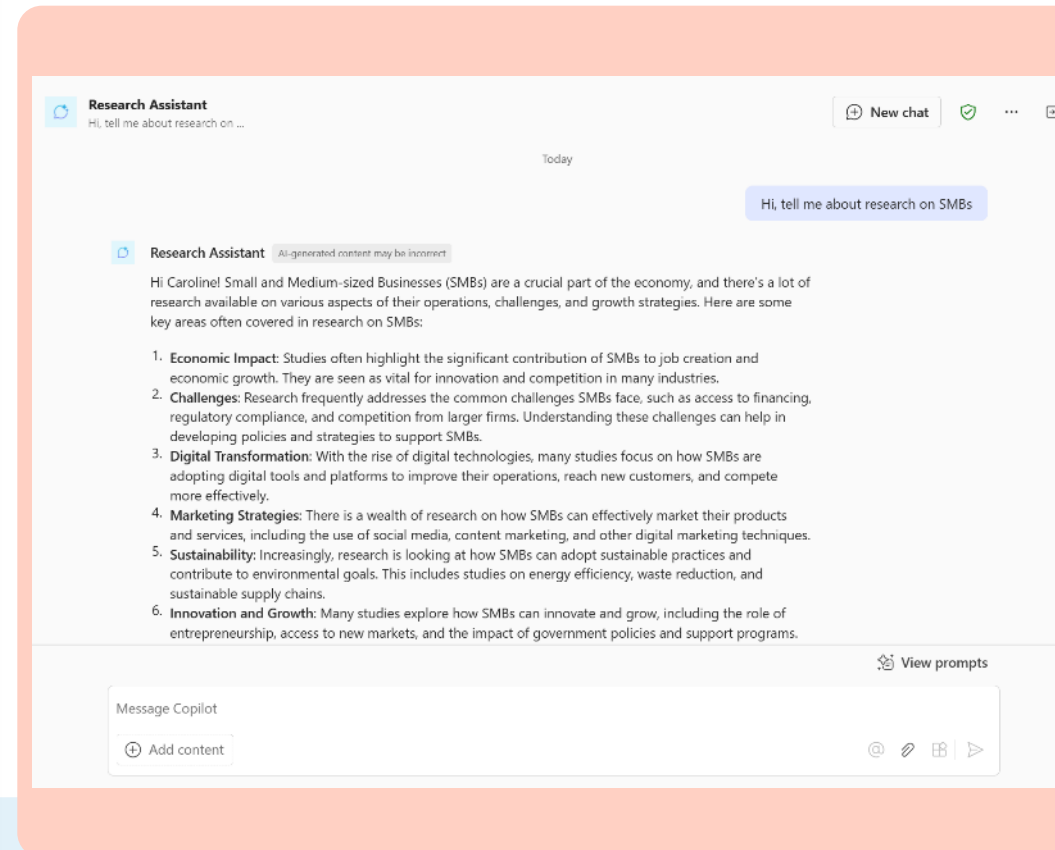
**Move to configure**

**Starter prompts:** *Leave as is*

**Knowledge:** *SharePoint site with relevant research information*

**Example questions to ask:**

- *Can you help me find research documents related to [specific topic]?*
- *Can you provide a summary of the latest research on [specific topic]?*
- *Are there any recent updates or new additions to our research documents?*
- *What research do we have that was conducting by [specific researcher]*



# Policy Searcher

A Policy Search Agent offers comprehensive policy lookup capabilities, allowing users to inquire about various company policies such as time off, remote work, benefits, workplace conduct, health and safety, and other HR-related topics. This ensures employees have quick access to the information they need to stay informed and compliant.

**Example description/What would you like it to make:** *You're a Policy Search Agent designed to offer comprehensive policy lookup capabilities. You know everything about the company's policies from the documents we've shared with you and are happy to help employees get the information they need. You can assist with tasks such as inquiring about various company policies, including time off, remote work, benefits, workplace conduct, health and safety, and other HR-related topics. Your goal is to ensure employees have quick access to the information they need to stay informed and compliant*

**Naming confirmation:** *Policy Searcher*

**To be emphasized/avoided:** *Please be clear and concise and avoid long answers. Where possible, refer primarily to the knowledge shared with you. If you don't know the answer, please refer users to the HR Team*

**How to communicate:** *Friendly and professional*

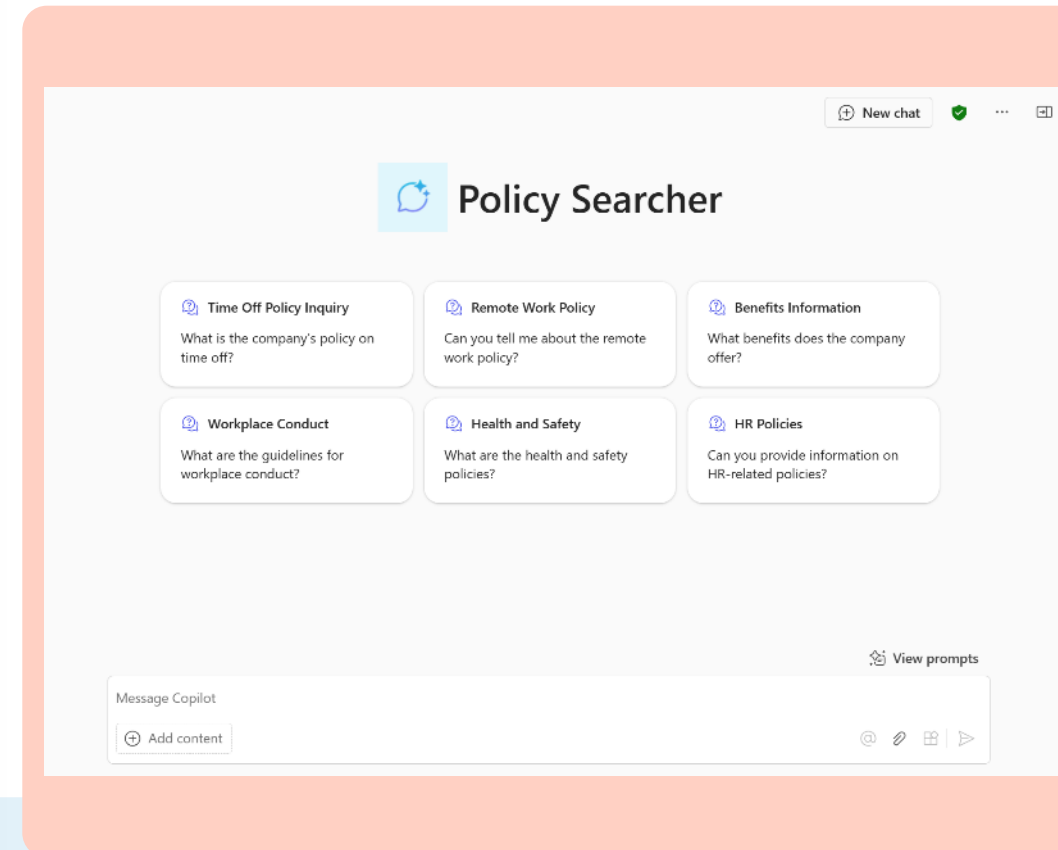
**Move to configure**

**Starter prompts:** *Leave as is*

**Knowledge:** *Use a SharePoint site that stores company policies*

**Example questions to ask:**

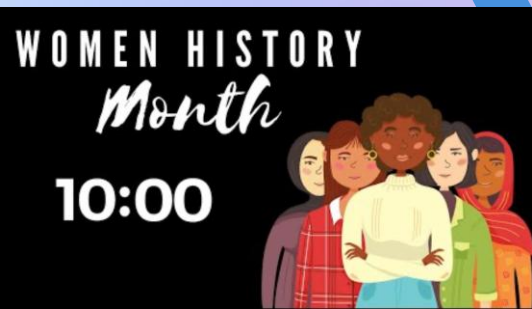
- *What is the company's policy on remote work?*
- *How many vacation days am I entitled to each year?*
- *Can you explain the company's health and safety guidelines?*
- *How do I request time off?*



# Agent Activity

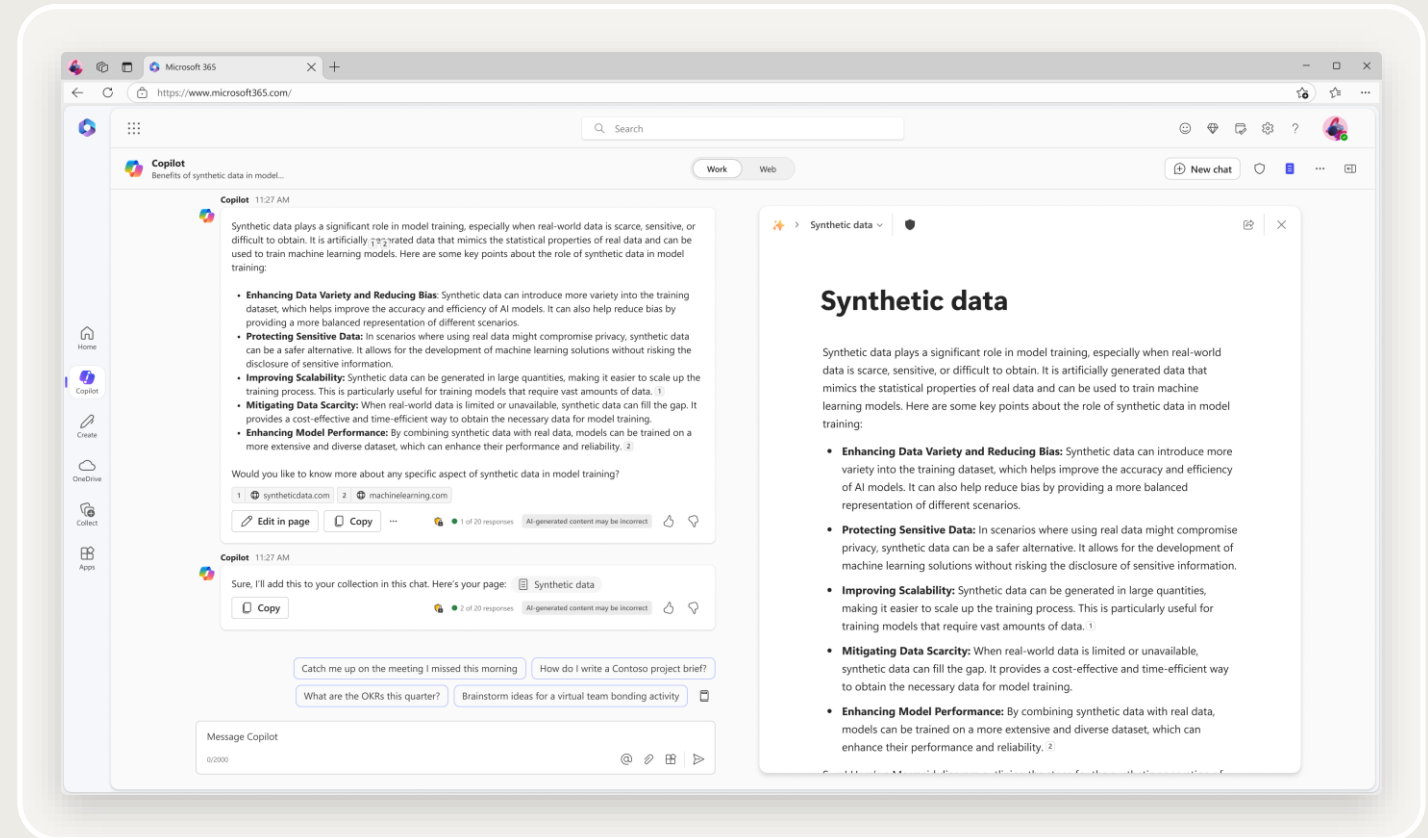
*Find an Agent Template*

1. From your browser, go to <https://m365copilot.com>
2. Click “Get agents”
3. Familiarize yourself with the Featured Agents
4. Find “Writing Coach”, click on it. Read info, then close window.
5. Find “Ideas Coach”, click on it. Read info, then close window.
6. Find “Prompt Coach”, click on it. Read info, then close window.



# Copilot Pages

- Quickly pull a Copilot Chat response into a sharable canvas built for real-time multiplayer collaboration with AI; use Copilot to improve and expand upon subject matter, build visualizations, and bring in additional content.



# Pages Activity

*Page Builder*



Here is the activity:

Start a Prompt, and add it to your Pages, continue to build it.





# Copilot Chat

Free, secure AI chat

## Chat

Web-grounded

## Agents

## IT controls

		<span>● Included</span> <span>▲ Included — Metered</span>	
		Microsoft 365 Copilot Chat Free + Consumption	Microsoft 365 Copilot \$30 pupm
Chat	Copilot Chat – Web grounded (powered by GPT-4o)	●	●
	Copilot Chat – Work grounded (work data in your tenant's Microsoft Graph and 3rd party data via Graph connectors)		●
	Copilot Pages	●	●
	File upload <sup>1</sup>	●	●
	Code Interpreter <sup>1</sup>	●	●
	Image generation <sup>1</sup>	●	●
Agents <sup>2</sup>	Create agents using Copilot Studio <sup>3</sup> , including SharePoint agents	●	●
	Discover and pin agents	●	●
	Use agents grounded in Web data	●	●
	Use agents grounded in work data (work data in your tenant's Microsoft Graph and 3rd party data via Graph connectors)	▲	●
	Use agents that act independently using autonomous actions	▲	▲
Personal assistant	Copilot reasons over personal work data (e.g. Outlook, OneDrive, meeting transcripts)		●
	Copilot in Teams (Copilot in Meetings and Meeting Recap, insights from screen-shared content coming soon)		●
	Copilot in Outlook (Prioritize my inbox, schedule focus time and 1:1 meetings, draft agendas, summarize message threads)		●
	Copilot in Word (Suggestions for structure, flow, and tone, draft and summarize documents)		●
	Copilot in Excel (Python, getting started experience, create formulas and visualizations using natural language)		●
	Copilot in PowerPoint (Narrative builder, presentation translation, generate slides or images aligned to company branding )		●
	Copilot Actions		In preview
	Pre-built M365 agents (Interpreter, Facilitator, Project Manager, Employee Self-Service)		In preview
Copilot Control System	Enterprise Data Protection (EDP)	●	●
	IT management controls	●	●
	Agent management	●	●
	SharePoint Advanced Management		●
	Copilot Analytics to measure usage and adoption <sup>4</sup>		●
	Pre-built reports and advanced analytics to measure ROI		●

1. Limits apply. 2. Applies to employee-facing agents only. 3. Learn more about the full capabilities of Copilot Studio: [aka.ms/CopilotStudioCapabilities](https://aka.ms/CopilotStudioCapabilities) 4. Basic reporting in Microsoft Admin Center available for Copilot Chat.

# Accelerate your AI journey with our Copilot Success Kit

Our implementation framework and how-to resources are designed to streamline and accelerate your time to value with Microsoft 365 Copilot skills. The guidance integrates many resources to empower you to achieve rapid value with Copilot while enabling your progressive skilling journey with AI tools.

Download the resources you need based on your phase of implementation.

[< View the full Microsoft 365 Copilot Hub](#)



## Start here



Implementation overview



User Enablement Guide



Technical Readiness Guide

# Use case | District-wide reporting and communication

## 1. Data assimilation

The Evergreen School District Superintendent wants to improve its performance reports (e.g., faster, visually appealing reports) and unify stakeholder communication across school boards and parents for superior clarity



**Collate** data from various district sources such as student information systems, financial databases, and academic performance trackers for further analysis (e.g., student enrollment numbers, standardized test scores, budget and staff reports)

## 2. Report definition

Analyze the district-wide data and identify the specific KPIs and reporting needs for each audience group



**Extrapolate** specific needs and KPIs of different audiences such as school boards, parents, and the community (e.g., graduation rates for the board, student progress for parents, teacher effectiveness)

## 3. Report generation

Prepare customized reports tailored to different stakeholders' needs, highlighting district performance, challenges, and proposed strategies for improvement



**Generate custom visuals** to present data in an easily digestible manner and are accessible to all (e.g., a graduation rate graph over time for the board, student progress chart by grade level for parents, various formats)

## 4. Communication plan development

Develop a comprehensive communication strategy to determine communication channels, timelines, and messaging for effective engagement



**Draft** district-wide communication rollout plan

## 5. Insights dissemination

Organize discussion forums to disseminate key findings, best practices, and address key concerns / clarifications real-time



**Schedule personalized calendar invites and document** key discussion points, decisions made, follow-ups, and next steps to share with a wider audience

## 6. Continual improvement

Gather feedback and engagement data to continuously refine the report format, content, and communication channels used for socialization



**Compile** improvement areas to optimize engagement effectiveness

District-wide reporting and communication stages

Note: All assumptions are based on secondary research. Should some assumptions change for the prospect, please update the assumptions and the total time savings will correspondingly change.

# Next steps



## Copilot

### Continue using Copilot

Practice prompting and share the results with your peers.

### Resources

- Educator Course: [aka.ms/CopilotforEducators](https://aka.ms/CopilotforEducators)
- Course: [Enhance Teaching and Learning with Bing Chat](#)
- Course: [Exploring Generative AI with Copilot in Bing](#)
- Documentation: [aka.ms/Copilot/Docs](https://aka.ms/Copilot/Docs)
- New Features: [aka.ms/Copilot/FeaturesList](https://aka.ms/Copilot/FeaturesList)
- Video for educators: [aka.ms/Copilot/EDUVideo](https://aka.ms/Copilot/EDUVideo)
- Website: [aka.ms/Copilot/Website](https://aka.ms/Copilot/Website)
- Announcement blog: [aka.ms/CopilotExpansionEDU](https://aka.ms/CopilotExpansionEDU)
- 5 ways to use Copilot in Education: [5 ways to use Copilot in education #shorts](#)

# Get AI-ready with Microsoft & Copilot+PC's

Surface brings software and hardware together—from device to cloud—to build an end-to-end AI experience that supports educators, IT, staff and students.

**Reach out:**  
**Melanie Bennetts** ([melanie.bennetts@microsoft.com](mailto:melanie.bennetts@microsoft.com))  
**Sr Surface Specialist, EDU**



Surface lets you engage with AI in a way that's most effortless to you.

# Maximizing Value with Microsoft Ecosystem

"Surface is a catalyst for innovation across the entire ecosystem" - *Satya Nadella*



## Security Foundation Initiatives

Cyber-resilient

A Zero Trust approach

AI-ready

# AI models will scale on the edge

As the cost of running AI increases, running smaller, specialized models locally on a device helps organizations realize economic scalability.

"We're literally going to have lots and lots of applications which will have local models and we'll have hybrid models, and I think that's the future of AI going forward."

-Satya Nadella



**Leon Mallett** • 2nd

Chief Operating Officer at IAM Cloud

2h ...

Why? LLMs have a fundamentally similar problem to proof of

"...Efficiency matters...the obvious solution to this is using appropriately-scaled AI for whatever problems you want it to help solve."

OP says, the obvious solution to this is using appropriately-scaled AI for whatever problems you want it to help solve.



**Clem Delangue** 🧐 • 2nd

Co-founder & CEO at Hugging Face

23h • 🌐

[+ Follow](#) ...

"...most companies will realize that smaller, cheaper, more specialized models make more sense for 99% of AI use-cases..."



**AI\_Skeptic** ✓

@The\_AI\_Skeptic

...

The cost of running AI is becoming an issue, even in domains where people are prepared to pay for it:

# AI across the enterprise



## Cloud

### AI in the cloud:

- Best suited for large, abstract data
- Data mining and analytics
- Highly scalable, access from any device
- Resource and expense-intensive

Ex: Microsoft Copilot

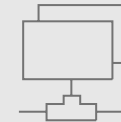


## Hybrid

### AI that utilizes available technology:

- Scale through cloud when needed
- Gain efficiencies when AI-accelerating hardware is available

Ex: On-device image processing, Cloud analysis against large database



## Hardware

### AI on the device:

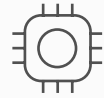
- Best suited for smaller, specialized workloads
- Offers potential offline, security, cost, and efficiency benefits
- NPU offers specialized processing

Ex: Windows Studio Effects

# What is an NPU?

## CPU

Central Processing Unit



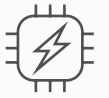
## GPU

Graphics Processing Unit



## NPU

Neural Processing Unit



### History

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"><li>• Foundational to computing</li><li>• Iterative updates in recent years</li></ul> | <ul style="list-style-type: none"><li>• Provided significant boosts in graphical and data processing</li><li>• Similar iterative trajectory now turning interest towards AI</li></ul> | <ul style="list-style-type: none"><li>• New frontier in processing innovation</li><li>• Exponential improvements in just a few years</li></ul> |
|---|---|--|

### Purpose

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"><li>• Brain of the computer</li><li>• Performs basic operations from software instructions, loaded from memory</li></ul> | <ul style="list-style-type: none"><li>• Specialized to render 2D and 3D objects</li><li>• Can perform operations in parallel, processing vectors of data simultaneously</li></ul> | <ul style="list-style-type: none"><li>• Specific architecture for deep learning</li><li>• Integrated as an element of the SoC</li><li>• Hardwired matrix without need for memory access, reduced precision</li><li>• Trained specifics, Inference operations</li></ul> |
|--|---|--|

### Pros

Can execute any line of software	Efficient for repeatable calculations	Audio, Video, Data inspection
----------------------------------	---------------------------------------	-------------------------------

### Neg

Not efficient at specific operations	Floating Point, not needed for AI	Generic code execution
--------------------------------------	-----------------------------------	------------------------

# Surface Pro

Deliver AI innovation where work happens with tablet versatility and laptop performance. Surface Pro 2-in-1s maximize productivity through intuitive interactions and premium design that adapt to almost any setting.

## These Surface Pro 2-in-1s feature:

- Enterprise-grade security with TPM 2.0 and BitLocker support
- Windows 11 Secured-core PC
- Windows Hello for Business with facial recognition and Enhanced Sign-In Security
- Integrated NFC authentication<sup>45</sup>
- 1440p Quad HD front-facing camera with ultrawide field of view and AI-driven Windows Studio Effects<sup>11</sup>
- Dual Studio Mics with AI-enhanced voice focus<sup>13</sup>
- 2W stereo speakers with Dolby Atmos<sup>®14</sup>
- PixelSense™ Flow touchscreen with adaptive color and dynamic refresh rate up to 120Hz
- Compatible with Surface Pro Keyboards<sup>6</sup> and Surface Slim Pen<sup>7</sup>
- Built-in kickstand with 165-degree full-friction hinge
- Replaceable components and simplified repairs using instructional QR codes built into the device<sup>23</sup>
- Surface Management Portal centralizes management and monitoring<sup>50</sup>



## Surface Pro for Business

Snapdragon® X Elite or Plus processor

- Qualcomm® Hexagon™ NPU with 45 TOPS
- Optional OLED display
- Optional 5G<sup>41</sup>

- Up to 14 hours of battery life<sup>18</sup> with local video playback for Wi-Fi only models
- Two USB-C® with USB4® ports
- Connect up to three 4K monitors at 60Hz<sup>44</sup>
- Fast charging with minimum 65W charger via Surface Connect or USB-C®<sup>47</sup>
- Wi-Fi 7<sup>4</sup> and Bluetooth® Core 5.4
- Up to 32GB of RAM and up to 1TB additional storage<sup>27</sup>
- 10 MP Ultra HD rear-facing camera
- Microsoft Pluton technology



## Surface Pro for Business

Intel® Core™ Ultra processor (Series 2)

- Intel® AI Boost NPU with 40 or 48 TOPS<sup>5</sup>
- Anti-reflective display technology and optional OLED display
- Up to 14 hours of battery life<sup>18</sup> with local video playback
- Two USB-C® with USB4® / Thunderbolt™ 4 ports
- Connect up to two 4K monitors at 60Hz<sup>17</sup>
- Fast charging with minimum 60W charger via Surface Connect or USB-C®<sup>20</sup>
- Wi-Fi 7<sup>4</sup> and Bluetooth® Core 5.4
- Up to 32GB of RAM and up to 1TB additional storage<sup>27</sup>
- 10 MP Ultra HD rear-facing camera
- Microsoft Pluton technology

<sup>4</sup>6GHz band not available in all regions. <sup>5</sup>Intel® AI Boost with 48 TOPS on Intel® Core™ Ultra 7 processor 266V and Intel® Core™ Ultra 7 processor 268V. <sup>6</sup>Sold separately. <sup>7</sup>Sold separately. Software license required for some features. <sup>11</sup>Videoconferencing apps and services sold separately. <sup>13</sup>Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes. <sup>14</sup>Requires Dolby Atmos® encoded content/audio. <sup>17</sup>With compatible docks. <sup>18</sup>Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings, and other factors. See [aka.ms/SurfaceBatteryPerformance](https://aka.ms/SurfaceBatteryPerformance) for details. <sup>20</sup>In select markets, only specific configurations come with 39W Surface Power Supply. Fast charging is supported with minimum 65W Surface Power Supply or minimum 60W USB Type-C® PD charger or higher, sold separately. Testing conducted by Microsoft in December 2024. For details on fast charging see [USB-C® and fast charging for Surface - Microsoft Support](#). <sup>23</sup>Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See [Surface service options - Surface | Microsoft Learn](#). Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. <sup>27</sup>System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1 GB = 1 billion bytes. 1TB = 1,000 GB. See [Surface Storage](#) for more details. <sup>45</sup>5G not available in all areas; compatibility and performance depend on carrier network, plan and other factors. See carrier for details and pricing. <sup>46</sup>Supporting 3 external displays requires either 2 displays connected to a compatible dock or connected through daisy chain. <sup>48</sup>NFC is available on Wi-Fi configurations of Surface Pro for Business. <sup>49</sup>In select markets, only specific configurations come with 39W Surface power supply. Fast Charging (from 5% to 80%) is supported with minimum 45W Surface power supply or USB-C® PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 45W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C. <sup>47</sup>In select markets, only specific configurations come with 39 W Surface power supply. Fast Charging (from 5% to 80%) is supported with minimum 65W Surface power supply or USB Type-C PD charger rated at 60W or higher, sold separately. Testing was conducted at Microsoft in March 2024, using pre-production devices, software, and minimum of 60W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C. <sup>50</sup>Requires Microsoft Intune.

# Surface Laptop

Elevate possibility with sleek design and premium features. Surface Laptops for Business empower employees to drive innovation and move at the speed of opportunity.

## These Surface Laptops feature:

- Enterprise-grade security with TPM 2.0 and BitLocker support
- Windows 11 Secured-core PC
- Windows Hello for Business with facial recognition and Enhanced Sign-In Security
- 1080p Full HD front-facing Surface Studio Camera with AI-driven Windows Studio Effects<sup>11</sup>
- Touchscreen display with expansive 3:2 screen ratio
- Signature Surface typing experience, backlit keys, and Copilot key for one-touch Copilot access<sup>9</sup>
- Dual Studio Mics with AI-enhanced voice focus<sup>13</sup>
- Omnisonic® Speakers with Dolby Atmos<sup>®14</sup>
- 3.5 mm headphone jack and Surface Connect port
- Removable SSDs simplify data retention for transfer or decommissioning<sup>22</sup>
- Replaceable components and simplified repairs using instructional QR codes built into the device<sup>23</sup>
- Surface Management Portal centralizes management and monitoring<sup>50</sup>



## Surface Laptop for Business

Snapdragon® X Elite or Plus processor

13.8-inch and 15-inch

- Qualcomm® Hexagon™ NPU with 45 TOPS
- MicroSDXC Express card reader<sup>15</sup>

- Up to 22 hours of battery life with local video playback<sup>18</sup> (15")
- Two USB-C® with USB4® ports
- One USB-A 3.1 port
- Connect up to three 4K monitors at 60Hz<sup>44</sup>
- Fast charging with minimum 65W power supply via Surface Connect or USB-C®<sup>43</sup>
- Wi-Fi 7<sup>4</sup> and Bluetooth® Core 5.4
- PixelSense™ Flow display with adaptive color, adaptive contrast, HDR,<sup>3</sup> and up to 120Hz refresh rate
- Up to 32GB of RAM and up to 1TB additional storage<sup>27</sup>
- Customizable precision haptic touchpad
- Microsoft Pluton technology



## Surface Laptop for Business

Intel® Core™ Ultra processor (Series 2)

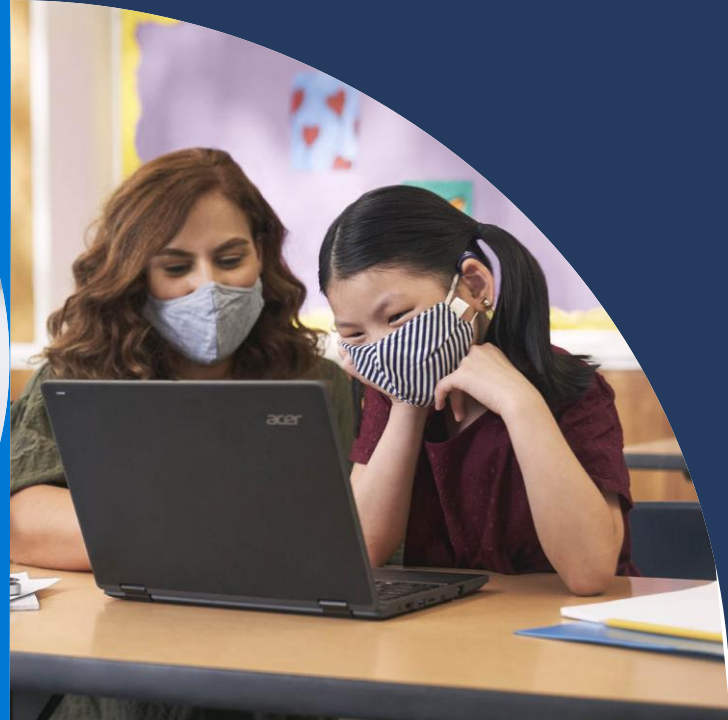
13.8-inch and 15-inch

- Intel® AI Boost NPU with 40 or 48 TOPS<sup>5</sup>
- Anti-reflective display technology
- Optional integrated smart card reader<sup>16</sup> and MicroSDXC Express card reader<sup>15</sup>
- Inquire about optional 5G
- Up to 22 hours of battery life with local video playback<sup>18</sup> (15")
- Two USB-C® with USB4® / Thunderbolt™ 4 ports
- One USB-A 3.1 port
- Connect up to two 4K monitors at 60Hz<sup>17</sup>
- Fast charging with minimum 60W power supply via Surface Connect or USB-C®<sup>21</sup>
- Wi-Fi 7<sup>4</sup> and Bluetooth® Core 5.4
- PixelSense™ Flow display with adaptive color, HDR,<sup>3</sup> and up to 120Hz refresh rate
- Up to 32GB of RAM and up to 1TB additional storage<sup>27</sup>
- Customizable precision haptic touchpad
- Microsoft Pluton technology

<sup>3</sup>HDR requires HDR content and enabling HDR in device settings. <sup>4</sup>6GHz band not available in all regions. <sup>5</sup>Intel® AI Boost with 48 TOPS on Intel® Core™ Ultra 7 processor 266V and Intel® Core™ Ultra 7 processor 268V. <sup>6</sup>Copilot key feature availability varies by market, see [aka.ms/keysupport](https://aka.ms/keysupport). <sup>11</sup>Videoconferencing apps and services sold separately. <sup>12</sup>Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes. <sup>14</sup>Requires Dolby Atmos® encoded content/audio. <sup>15</sup>MicroSDXC Express card reader on 15" models only. <sup>16</sup>Integrated smart card reader available on select 15" models only. <sup>17</sup>With compatible docks. <sup>18</sup>Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings, and other factors. See [aka.ms/SurfaceBatteryPerformance](https://aka.ms/SurfaceBatteryPerformance) for details. <sup>21</sup>In select markets, only specific configurations come with Surface Power Supply. Fast charging is supported with minimum 65W Surface Power Supply or minimum 60W USB Type-C® PD charger or higher, sold separately. Testing conducted by Microsoft in December 2024. For details on fast charging see [USB-C® and fast charging for Surface - Microsoft Support](https://aka.ms/SurfaceFastCharging). <sup>22</sup>Solid State Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Solid State Drive (SSD) Retention is included in both Extended Hardware Service Plus and Microsoft Complete for Business Plus and is also available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Devices returned to Microsoft with a missing Solid State Drive (SSD) are subject to a Solid State Drive (SSD) replacement fee unless the device is enrolled in the Drive (SSD) Retention offer. <sup>23</sup>Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See [Surface service options - Surface | Microsoft Learn](https://aka.ms/SurfaceServiceOptions). Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. <sup>27</sup>System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1GB = 1 billion bytes. 1TB = 1,000 GB. See [Surface Storage](https://aka.ms/SurfaceStorage) for more details. <sup>43</sup>13.5 inch Surface Laptop 6 for Business comes with 39 W Surface power supply. Fast charging (from 5% to 80%) is supported with minimum 45W Surface power supply or USB-C® PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 45W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C. <sup>44</sup>13.8 inch Surface Laptop for Business comes with 39 W Surface power supply. Fast charging (from 5% to 80%) is supported with minimum 45W Surface power supply or USB-C® PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 45W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C. <sup>50</sup>Supporting 3 external displays requires either 2 displays connected to a compatible dock or connected through daisy chain. <sup>50</sup>Requires Microsoft Intune.

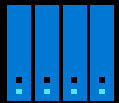
# Unlocking the Power of Azure: Hybrid Benefits and Azure Arc

Micaela Arizmendi  
Fady Habib





# Basic differences between on-premises and cloud



## On-premises

You buy servers typically for worst case / highest levels of usage



## Cloud

Cloud shifts model towards dynamic allocation of capacity

### Infrastructure-as-a-Service

- Virtual machines
- Storage offerings – managed disks, blob storage

### Platforms-as-a-Service


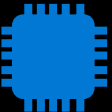

- Containerization and workload portability
- Databases
- Analytics

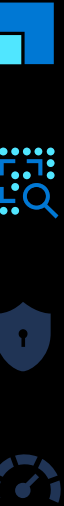
### Software-as-a-Service

- Can even shift on-premises infrastructure over to direct SaaS offerings like O365 or other cloud SaaS offerings



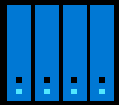
# Scalability and time to deploy in the cloud meaningfully improve

	Traditional IT	Cloud supported
 Time to provision	Weeks/months to provision resources	Minutes/hours to provision resources via self-service access
 Hardware usage	1 CPU for 100 hours	100 CPUs for 1 hour
 Location	Location dependent	Accessible everywhere



# End-to-end aim of cloud is to help you do more in your environment, whether that is on-premises or in cloud

## Implementation



**Private cloud:  
on-premises**

### Workloads

#### Monetize existing gear

Retaining non-end of life  
or under depreciated gear



**Public cloud: off-premises**

### Existing

#### IaaS

Azure Virtual  
Machines, Azure  
VMware Solution, etc.

### Modern apps

#### PaaS

Azure App Service,  
Azure SQL

### Commodity

#### SaaS

Dynamics, Office,  
Power BI, etc.

Achieving more with every \$ invested



# How does cloud pricing work?

On-premises spend results in a fixed cost structure



## On-premises

On-premises IT costs are often upfront and require

Regardless of underlying demand, you are committed to your initial fixed capacity

Due to expectations for growth you have to pre-buy for expected demand and growth

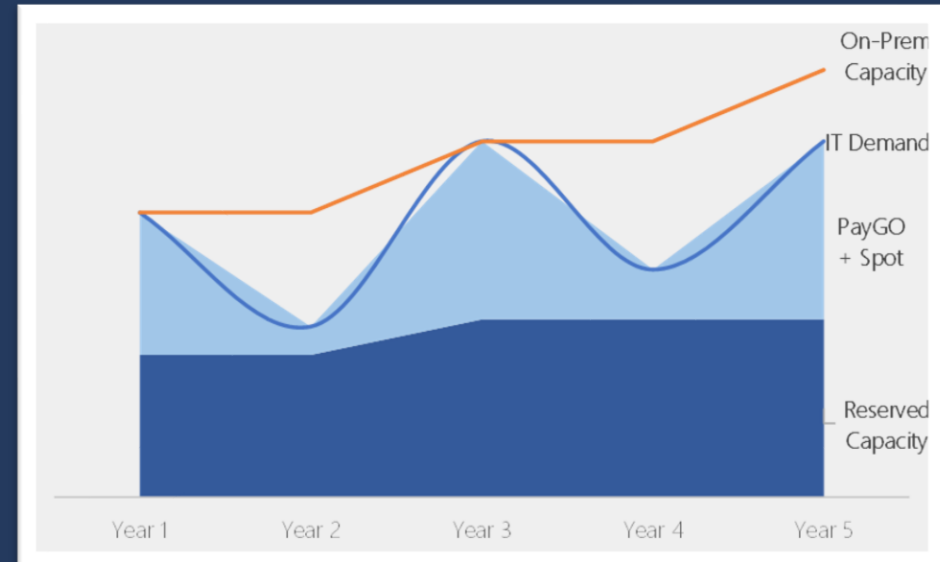


## Cloud

Cloud costs allow you to take advantage of a variable cost model

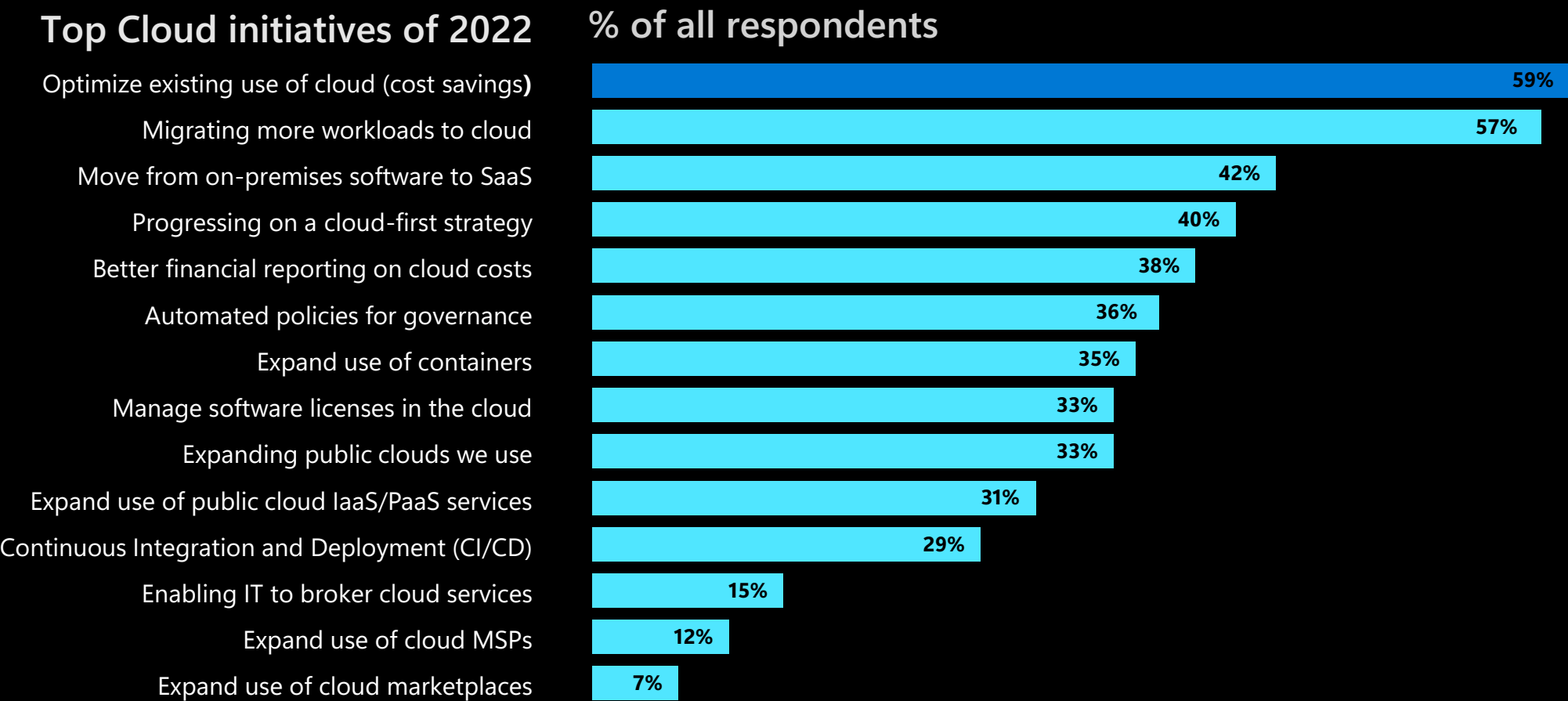
Elastic workloads can spin pay-for-what you use

For more fixed workloads cloud also has reserved instance pricing to take advantage of lower price points for static workloads



# Have cost concerns?

59% of the customers have cost optimization as their top cloud initiative.



# Helping you navigate market uncertainty and accelerate growth

Do more with less on Azure

## Migrate and Save



Save on cloud costs and gain efficiencies when you migrate to Azure

Avoid escalating energy costs while also reducing your energy usage and carbon emissions

Save on IT infrastructure costs and improve operational efficiency, while maintaining agility

Achieve up to 85% savings when migrating Windows & SQL Server Virtual Machines with Azure Hybrid Benefit

## Optimize Cloud Costs



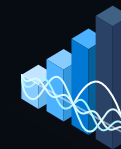
Reduce costs and increase efficiency of your existing cloud investments

Save up to 34% in year 1 when you use Microsoft Cost Management to monitor and reduce financial costs

Use Azure Advisor to ensure your technical workloads become well-architected; reducing costs, increasing security, and improving reliability

Implement Azure Arc to replace costly 3rd party tools on-premise, edge, and multicloud

## Reinvest to Grow



Become more resilient and drive innovation in your business

Develop sustainable, innovative solutions that reduce your carbon footprint and create new business value

Minimize downtime and data loss by securing your hybrid and multi-cloud, focusing on backup and disaster recovery

Modernize your applications with Azure App Service

1. [Azure vs. AWS cost savings](#)

2. [The Total Economic Impact Of Microsoft Azure Cost Management And Billing, Forrester](#)

# Azure benefits and offers



## Azure Hybrid Benefit for Windows Server and SQL Server

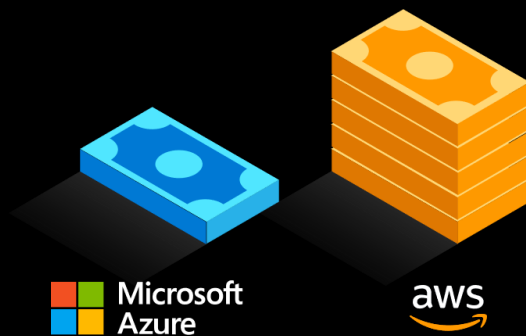
Save 50% versus other cloud providers



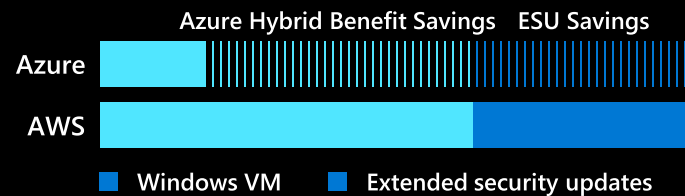
## Extended Security Updates (ESU), free only on Azure

Three years of security updates after support on-premises ends 75% of the license cost to buy standalone

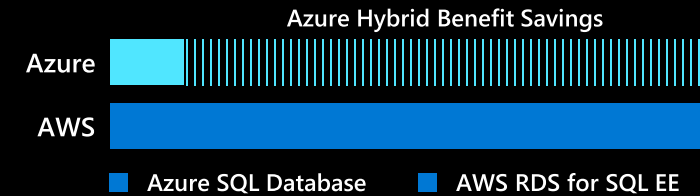
## Pay less with Azure. AWS is 5x more expensive



### Windows Server savings illustration



### SQL Server savings illustration (PaaS)



Learn more: [aka.ms/why5xmore](https://aka.ms/why5xmore)

# Save big on Azure with Azure Hybrid Benefit

By leveraging your existing on-premises licensing investment with the purchase of Software Assurance.

AWS is up

**5x**

more expensive  
**Azure for Windows  
Server and  
SQL Server**

Save up to

**85%**

over standard pay-as-you-go rate  
leveraging the  
**Windows Server and  
SQL Server licenses**

Save up to

**55%**

over standard  
pay-as-you-go  
rate for **Azure  
SQL Database**

Save up to

**80%**

over standard  
pay-as-you-go rate  
for **Windows Server**

Learn more:

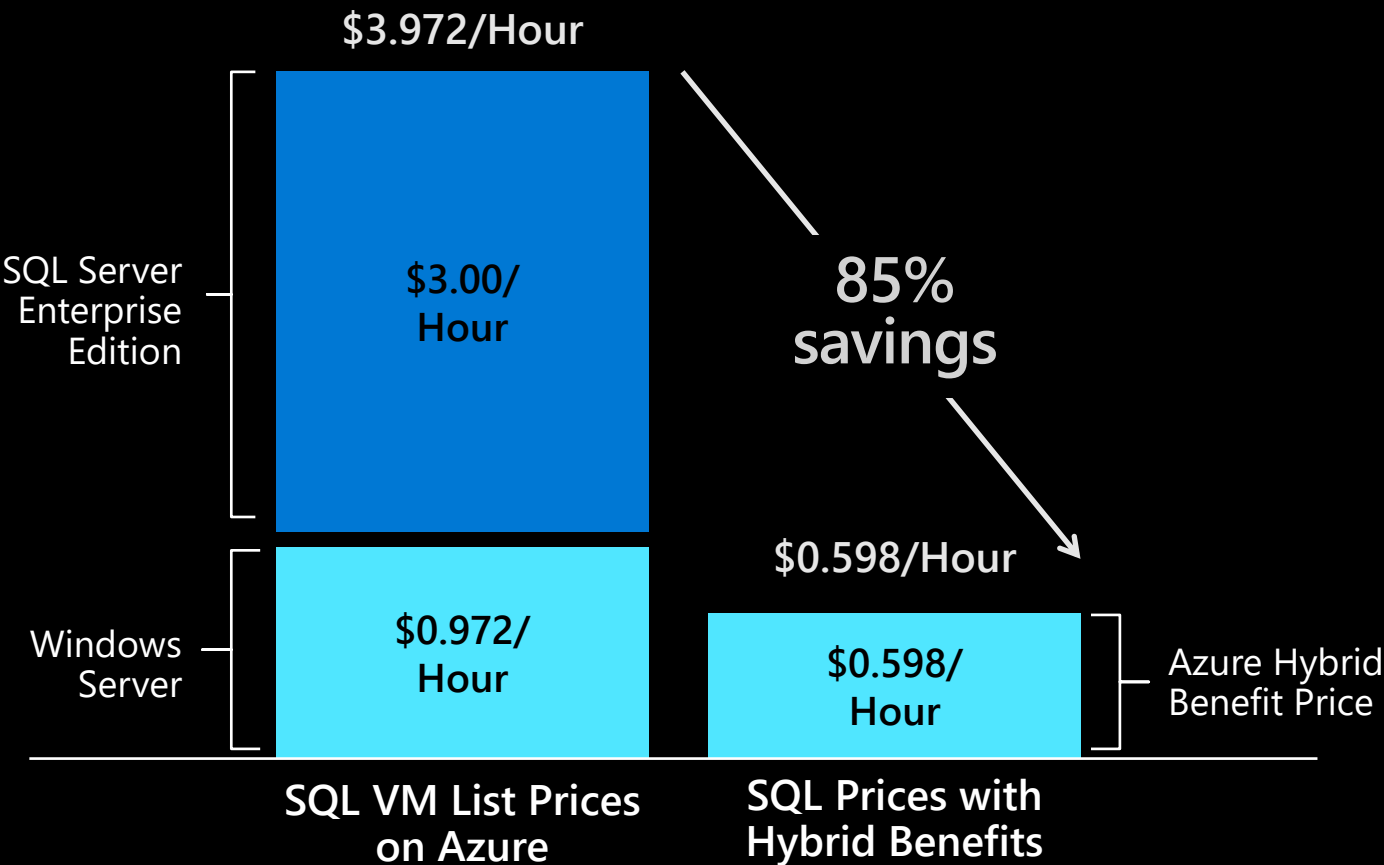
1. [Azure vs. AWS cost savings](#)
2. [SQL Server 2019 pricing](#)

# Save up to 85% with Azure Hybrid Benefit

VS

Azure standard pay-as-you-go rate with existing Windows Server and SQL Server licenses

## SQL Enterprise Edition Savings Example



# Azure Pricing Calculator- Pay as You Go Pricing

West US 2

Windows

(OS Only)

Standard

Category:

All

Instance Series:

All

INSTANCE: [\(Need help finding the right VM?\)](#)

🔍

D2 v3: 2 vCPUs, 8 GB RAM, 50 GB Temporary storage, \$0.188/hour

▼

1

Virtual machines

×

730

Hours

Savings Options

Explore pricing models to help optimize your Azure costs.

Learn more

Compute (D2 v3)

☒ Pay as you go

Savings plan ⓘ

☐ 1 year savings plan (~31% discount)

☐ 3 year savings plan (~53% discount)

Reservations ⓘ

☐ 1 year reserved (~40% discount)

☐ 3 year reserved (~62% discount)

\$70.08

Average per month (\$0.00 charged upfront)

OS (Windows)

☒ License included

☐ Azure Hybrid Benefit

\$67.16

Average per month (\$0.00 charged upfront)

=

\$137.24

Average per month (\$0.00 charged upfront)

# Azure Pricing Calculator- Pay as You Go Pricing w/ AHB

West US 2

Windows

(OS Only)

Standard

Category:

All

Instance Series:

All

INSTANCE: [\(Need help finding the right VM?\)](#)

D2 v3: 2 vCPUs, 8 GB RAM, 50 GB Temporary storage, \$0.096/hour

1

×

730

Hours

Virtual machines

Savings Options

Explore pricing models to help optimize your Azure costs.

Learn more

Compute (D2 v3)

☒ Pay as you go

Savings plan ⓘ

☐ 1 year savings plan (~31% discount)

☐ 3 year savings plan (~53% discount)

Reservations ⓘ

☐ 1 year reserved (~40% discount)

☐ 3 year reserved (~62% discount)

\$70.08

Average per month

(\$0.00 charged upfront)

OS (Windows)

☐ License included

☒ Azure Hybrid Benefit

\$0.00

Average per month

(\$0.00 charged upfront)

=

\$70.08

Average per month

(\$0.00 charged upfront)

# Azure Pricing Calculator- 1 Year RI Pricing w/ AHB

Category:

All

Instance Series:

All

INSTANCE: [\(Need help finding the right VM?\)](#)

D2 v3: 2 vCPUs, 8 GB RAM, 50 GB Temporary storage, \$0.057/hour

1

Virtual machines

Savings Options

Explore pricing models to help optimize your Azure costs.

Learn more

Compute (D2 v3)

☐ Pay as you go

Savings plan 

i

☐ 1 year savings plan (~31% discount)

☐ 3 year savings plan (~53% discount)

Reservations 

i

☒ 1 year reserved (~40% discount)

☐ 3 year reserved (~62% discount)

Compute payment options:

Monthly

\$41.75

Average per month

(\$0.00 charged upfront)

OS (Windows)

☐ License included

☒ Azure Hybrid Benefit

\$0.00

Average per month

(\$0.00 charged upfront)

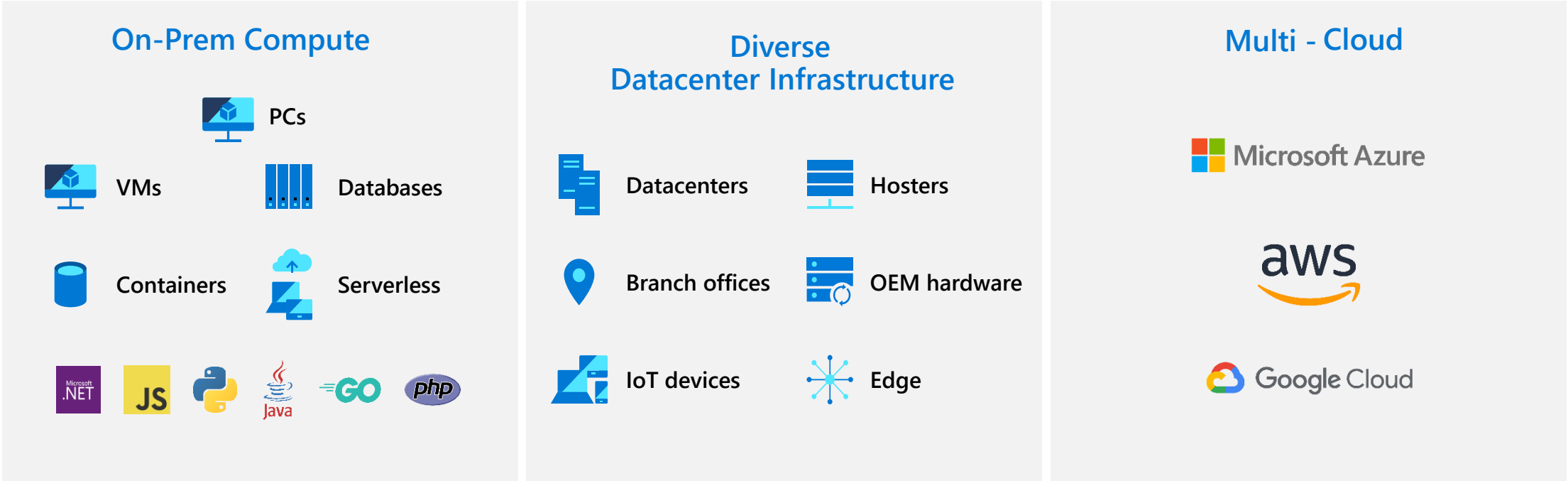
= \$41.75

Average per month

(\$0.00 charged upfront)

# Azure Arc

# Hybrid Cloud: The More Moving Parts, The More Complex



Azure



## Single control plane with Azure Arc

### Infrastructure and Data

Connect and operate  
hybrid resources as native  
Azure resources



Servers



K8s



Windows  
Server



SQL  
Server



Linux



Microsoft  
Copilot  
in Azure



Microsoft  
Defender



Azure  
Monitor



Microsoft  
Sentinel



Azure  
Update  
Manager



Azure  
Policy



Multi-cloud



Datacenter



Edge

# Azure Arc-enabled servers

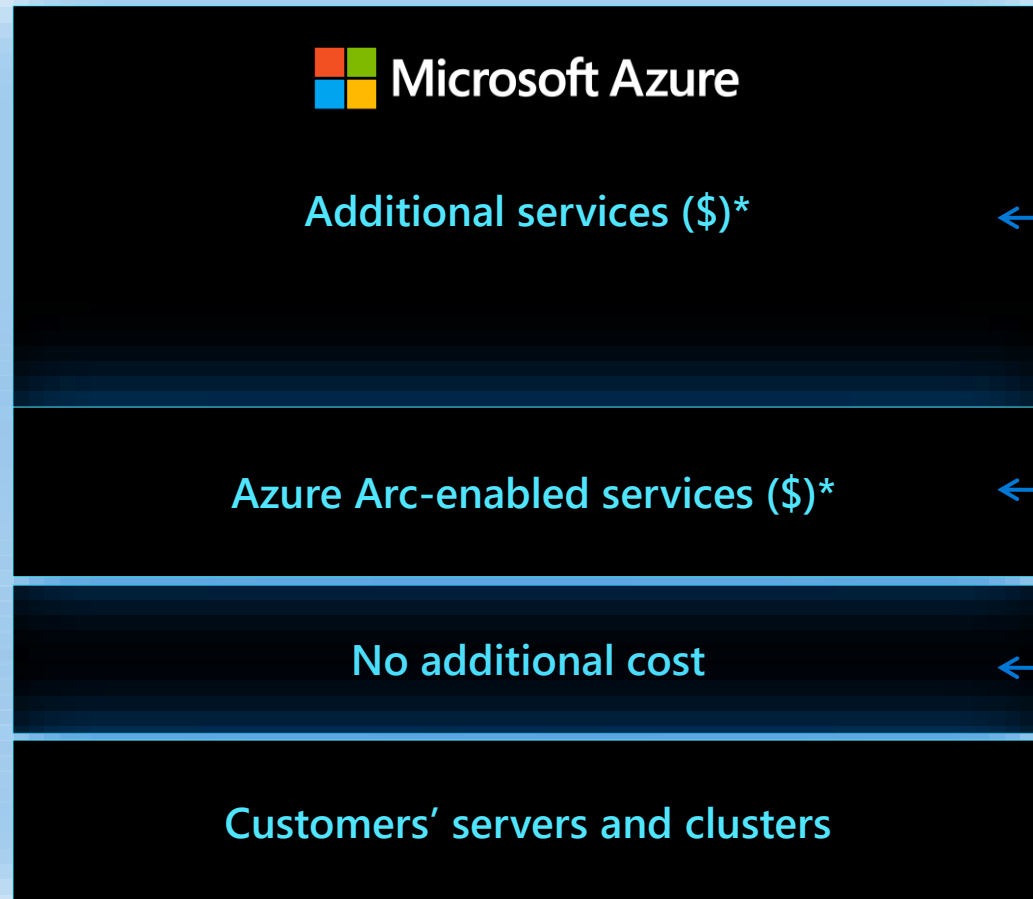
Azure Arc-enabled servers are supported with additional Azure services



Just turn them on when you want to use them



# Azure Arc pricing model



Azure Policy—guest configuration

Azure Monitor

Azure Defender

Azure Sentinel

Backup

Log Analytics

GitOps management for Kubernetes

Application Insights

Config and Change Management

SQL Managed Instance

PostgreSQL Hyperscale

Azure Machine Learning (preview)

App Service, Functions, Logic Apps, APIM,

Event Grid (preview)

Control plane functionality:

Tagging, management groups, activity logs,  
templates, Resource Graph, RBAC

\*Pricing for Azure Arc-enabled services and additional management services is consistent with Azure pricing. Services are available at no cost during preview.



# Cost Involved

Azure Arc is free to install. Basic management services like inventory, tagging, server organization, RBAC, and querying with Azure Resource Graph are free as previously demonstrated. However, once Azure Arc is enabled, you can take advantage of the services available in Azure. The costs of these services may vary depending on the needs and scale of your infrastructure. Here are some examples of the components with associated costs:"



## Azure Arc-enabled Servers pricing Premium Capabilities:



### Microsoft Defender for Cloud **\$5/server/month** (Plan 1) or **\$15/server/month** (Plan 2)

Free for the first 30 days, with 500MB/server included data.  
\$0.02/server/hr.



### Azure Update Manager **\$5/server/month** [pay-as-you-go]

Charged at a daily prorated value of \$0.16/server/day. Only charged for days when Arc servers are connected and managed



### Azure Monitor **\$2.30/GB** [pay-as-you-go]

Billed for log analytics, tests, metrics, alerts, and notifications. 5GB per billing account/month is included



### Azure Policy Guest Configuration **\$6/server/month**

Policies assigned by Defender for Cloud, of any other category, or on Azure Stack HCI resources are exempt



### Microsoft Sentinel **\$2/GB-ingested** [pay-as-you-go]

Billed for volume of data ingested for analysis in Microsoft Sentinel, stored in the Azure Monitor Log Analytics workspace



### Microsoft Defender for Cloud: Defender for SQL **\$0.015/vCore/hour**

Microsoft Defender for SQL has separate pricing for on and outside of Azure.

**Note:** Public Price listed as a reference, contact Microsoft representative for your final cost.

# ESUs enabled by Azure Arc

## Flexible PAYGO monthly billing and savings

Monthly billing model centralized in Azure to run end-of-support operating systems

## Visibility and reliability

Ensure consistent Windows Server 2012/R2 and SQL Server 2012 performance with high availability and visibility over your entire data and server estate. Keyless delivery

## Security and compliance

Seamlessly extend Azure security and governance to your environment and stay compliant with supported software



Microsoft  
Defender  
for Cloud



Azure  
Update  
Manager



Microsoft  
Sentinel

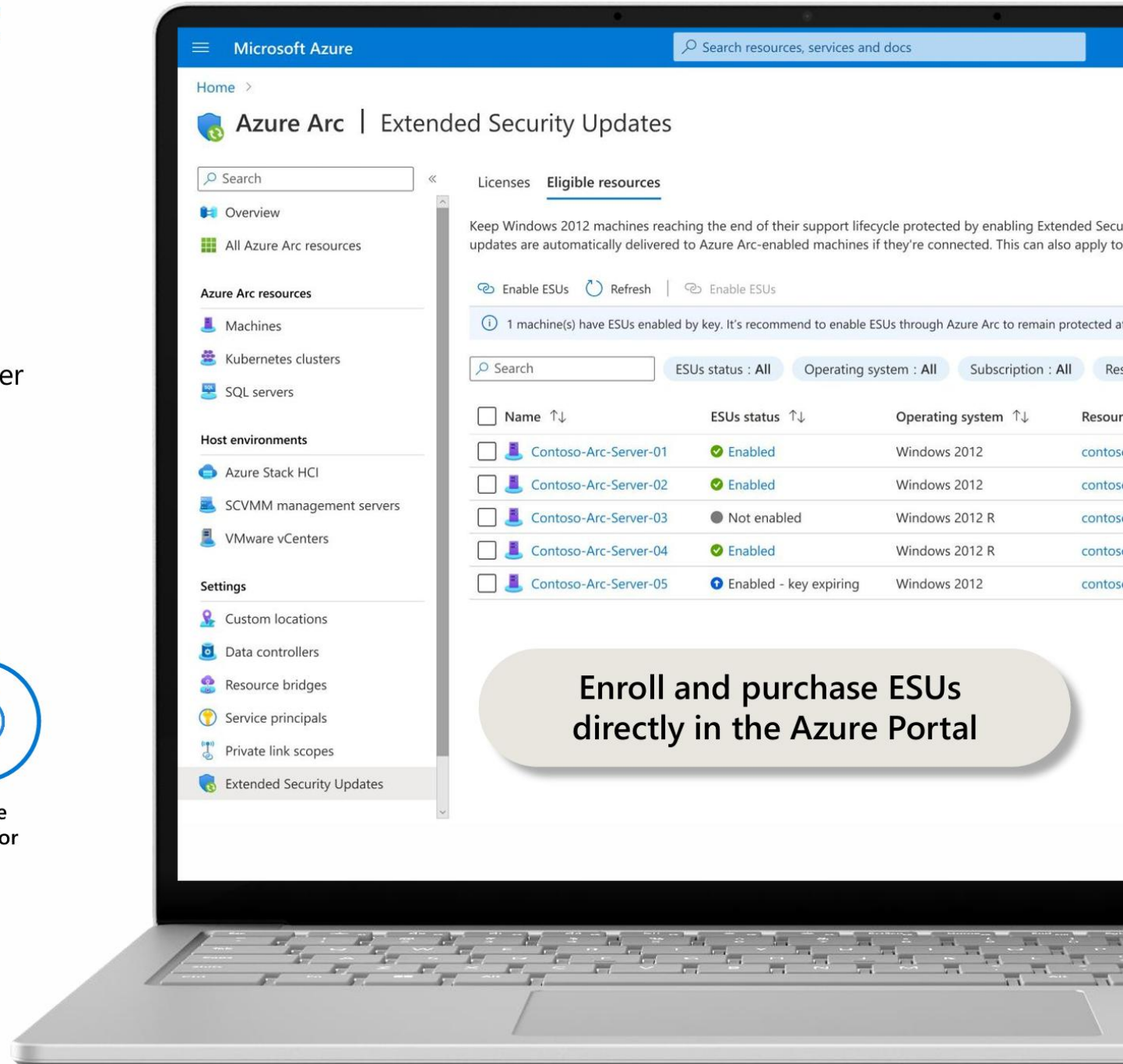


Azure  
Policy



Azure  
Monitor

For Windows Server 2012/2012 R2,  
SQL Server 2012 and SQL Server 2014 (July 2024)



# Thank You



# Agenda

A decorative graphic on the right side of the slide. It features several diagonal stripes in shades of blue, gold, and grey. Overlaid on these stripes are several circles of different colors (gold, dark blue, grey) and sizes, some with drop shadows, creating a layered, geometric effect.

---

Security Trends

---

Insurance Requirements

---

FCC Schools Pilot Program

---

Ignite Announcements

---

Q&A

# Ransomware

## Landscape and trends

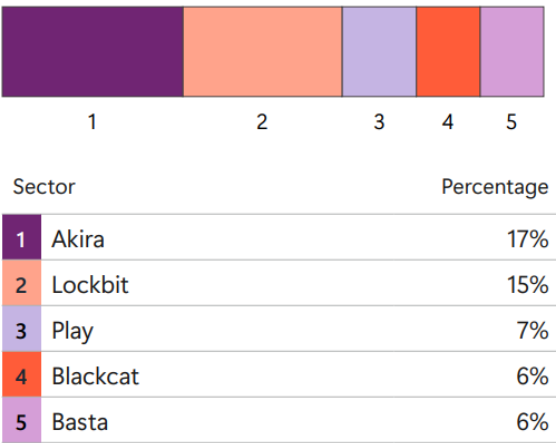
Ransomware remains one of the most serious cybersecurity concerns. And for valid reasons.

Among our customers, Microsoft observed a 2.75x increase year over year in human-operated ransomware-linked encounters (defined as having at least one device targeted for a ransomware attack in a network).

Meanwhile, the percentage of attacks reaching actual encryption phase has decreased over the past two years by threefold. Automatic attack disruption contributed to this positive trend in decreasing successful attacks. In more than 90% of cases where attacks progressed to ransom stage, the attacker had leveraged unmanaged devices in the network, either to gain initial access or to remotely encrypt assets at the impact stage.

**3x**  
threefold decrease in ransom attacks reaching encryption stage over the past two years

Top human-operated ransomware groups

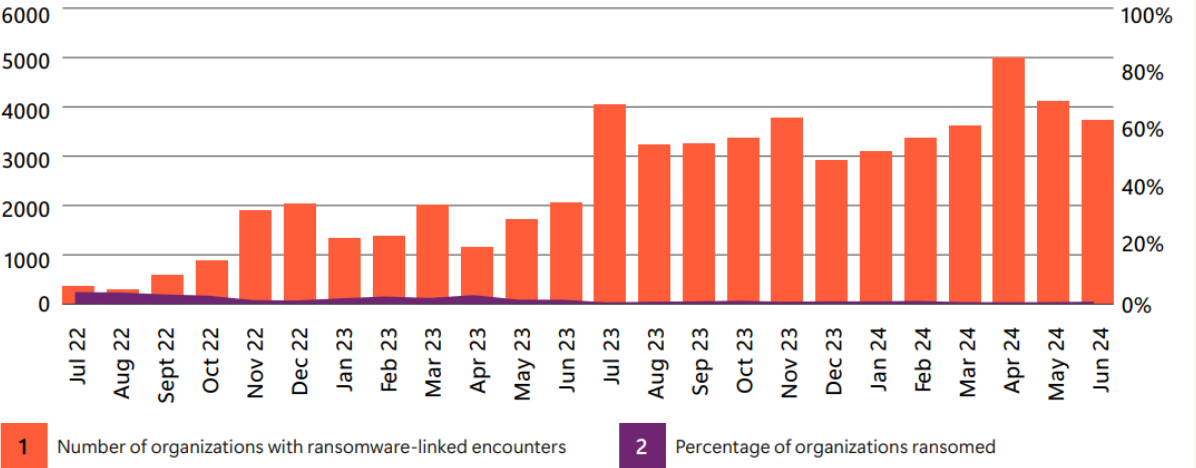


The top five ransomware families accounted for 51% of attacks. These families continue to use longstanding techniques, showing their effectiveness even against rising cybersecurity awareness globally.

Source: Microsoft Defender for Endpoint

The most prevalent initial access techniques continue to be social engineering—specifically email phishing, SMS phishing, and voice phishing—identity compromise, and exploiting vulnerabilities in public facing applications or unpatched operating systems. Attackers continue to take advantage of newly identified common vulnerabilities and exposures

Organizations with ransom-linked encounters continues to increase while the percentage of those ransomed is decreasing (July 2022–June 2024)



Although organizations with ransom-linked encounters continues to increase, the percentage that are ultimately ransomed (reaching encryption stage) decreased more than threefold over the past two years.

Source: Microsoft Defender for Endpoint

(CVE) with Common Vulnerability Scoring System (CVSS) scores above 8. Once the attacker is in the network, they tamper with security products or install remote monitoring and management tools (RMMs) to disable or evade detections and persist in the network.

We observed remote encryption in 70% of successful attacks, with 92% originating from unmanaged devices in the network, underscoring the need for organizations to enroll devices into management, or exclude unmanaged devices from the network.



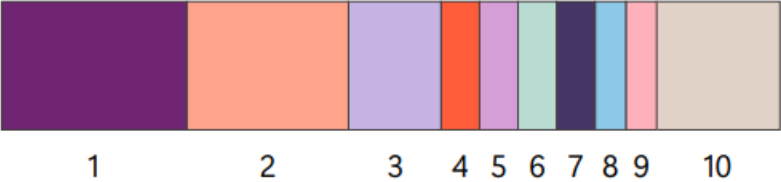
# The Education and Research sector became the second most targeted by nation-state threat actors

In 2024, Education and Research became the second most targeted sector by nation-state threat actors.

In addition to offering intelligence such as research and policy discussions, education and research institutions are often used as testing grounds by threat actors before they pursue their actual targets.

For example, QR code phishing, a technique now used widely to compromise user accounts at scale and create an entry point for business email compromise (BEC) attacks discussed later in this chapter, became widely used in targeted attacks against this sector as early as August 2023.

## Top 10 targeted sectors worldwide



Sector	Percentage
1 IT	24%
2 Education and Research	21%
3 Government	12%
4 Think tanks and NGOs	5%
5 Transportation	5%
6 Consumer Retail	5%
7 Finance	5%
8 Manufacturing	4%
9 Communications	4%
10 All others	16%

Threat actors from Russia, China, Iran, and North Korea pursued access to IT products and services, in part to conduct supply chain attacks against government and other sensitive organizations.

Source: Microsoft Threat Intelligence, nation-state notification data

# Phishing

Phishing remains a perennial cybersecurity threat. According to TrendMicro, phishing attacks increased by 58% in 2023, with an estimated financial impact of \$3.5 billion US in 2024.<sup>30</sup>

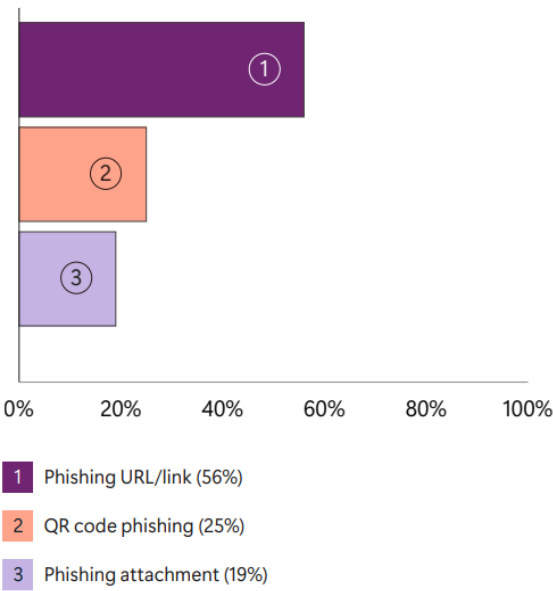
Threat actors continue to use longstanding and new TTPs to access targets, but a growing concern this year is the misuse of legitimate web services and tools for phishing deployment.

Software-as-a-Service (SaaS)-based email, developer tools, captcha services, cloud storage, click tracking, marketing platforms, customer survey platforms, lesser known email clients, and backup and mass emailing tools have all been weaponized for a range of malicious activities. One of the key advantages of using these services is that they can evade detection systems because they are less likely to be preemptively blocked due to their established levels of trust and legitimate usage. Additionally, many phishing campaigns combine the use of multiple legitimate services simultaneously, complicating the detection process for both human analysts and automated systems.

775 million  
email messages contained malware  
(July 2023-June 2024)

Source: Microsoft Defender for Office 365

## Top email phishing types




Source: Microsoft Defender Threat Experts notifications

## QR code phishing

QR codes have become much more prevalent since the pandemic and therefore more trusted by users. By their nature, QR codes obscure the destination from the user. Around mid-September 2023, Microsoft analysts observed a significant increase in phishing attempts using these codes, which presents a unique challenge for security providers as they appear as an image during mail flow and are unreadable until rendered.

In QR code phishing, threat actors send phishing messages containing a code encoded with a URL. The message prompts the recipient to scan the QR code with their device, redirecting them to a fake sign-in page where they are prompted to input their credentials. This page may include AiTM capabilities that circumvent some forms of MFA.

Of note, Microsoft Defender for Office 365 image detection technology significantly disrupted QR code phishing attacks, causing a 94% decrease in phishing emails using this attack technique between October 2023-March 2024. Threat actors continually adapt their attacks in response to effective detection and blocking, returning to older, more well-known tactics or spending time and effort to innovate new techniques. Disruption of effective techniques such as QR code phishing is an important part of network and data protection. While QR codes that are plain and square with a black and white barcode persist in phishing attacks, since more effective detection and blocking has successfully reduced their efficacy, threat actors have resorted to experimenting with different QR code visualizations. For example, QR codes comprised of a blue barcode on a red background became commonplace in phishing attacks until that variation, too, was rendered ineffective.



By their nature, QR codes obscure the destination from the user, which creates a challenge for security teams.

Other attempts to confuse image processing include placing a black border around the QR code or putting the QR code in an attachment. Although effective detection and blocking measures greatly reduced the volume of QR code phishing attacks from the millions of messages observed in 2023, actors continued to test new techniques and innovate old ones throughout 2024 to find ways to evade protections and impact organizations.

During April and May 2024, there was a surge in phishing attempts targeting Microsoft Teams users. The attackers created a new tenant and registered a domain specifically for this attack. These attacks often included QR codes within the messages, which, upon scanning, directed users to AiTM phishing sites. Common themes in these phishing campaigns involved impersonating Office, Microsoft, or Security services.

🔗

Links

[To scan or not to scan: The shady side of QR codes – Microsoft 365 | May 2023](#)

[Expanding our Content Integrity tools global elections - Microsoft On the Issues | Apr 2024](#)

[Content Credentials](#)

[Build trust with content credentials in Microsoft Designer | Learn at Microsoft Create | Dec 2023](#)

[Overview - C2PA](#)

## Business email compromise (BEC)

BEC attacks remain a prevalent threat, with inbox rule manipulation the favored method.

**Inbox rule manipulation:** A new variation has emerged involving manipulation through API/App usage. Instead of using the usual “New-InboxRule” or “Set-InboxRule” commands, the attackers now use “UpdateInboxRules”. This allows them to redirect emails with keywords related to credentials or financial matters to less monitored folders like Spam, Conversation History, or Deleted Items, hiding their fraudulent activity from the user’s immediate view.

**BEC lateral phishing:** After compromising an account, attackers aim to move laterally within the organization, targeting multiple users to either gain access to high-privilege accounts or trick users into paying fake invoices. This is achieved by sending phishing emails to other users within the organization.

**Conversation hijacking:** The attacker compromises the sender’s email account and injects themselves into an existing email thread using a similar-looking account, keeping the sender’s display name unchanged. The hijacked account domain is usually newly created for financially motivated scams to lure users.

## MFA tampering post AiTM attack:

After compromising a user account, the attacker attempts to add an additional device for MFA, such as a phone number to approve two-factor authorization or registering a new device with an authenticator, to maintain ongoing access.

## Other noteworthy post-compromise behaviors observed

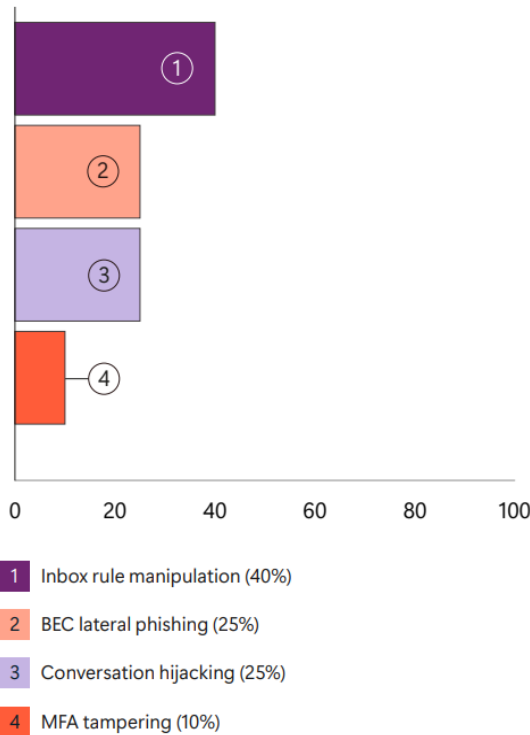
**Legitimate applications abuse:** We observed three new legitimate tools being abused by adversaries for mailbox exfiltration and BEC.

- PerfectData Software: An application integrated with Microsoft 365/Azure to provide a mailbox and backup services. Threat actors used it to secretly access and steal mailboxes from compromised users.
- Newsletter Software Supermailer: Legitimate software used to create and send personalized bulk emails and newsletters. Adversaries exploited it to conduct lateral phishing attacks from compromised user accounts.
- eMClient: A desktop email client for Windows and macOS. Adversaries used this to exfiltrate mailboxes from compromised users.

**Low and slow BEC:** Attackers discreetly read a small number of emails (between two to five) daily, and sparingly accessed OneDrive/SharePoint files, all in an effort to evade detection. These low-profile attacks challenged detection systems, which could identify them only by correlating with unusual sign-in activities.

**Targeted BEC:** Personalized phishing campaigns are crafted using local languages, targeting IT, finance, and legal departments with specific topics such as “software updates” or “tax submissions.” This tailored strategy significantly boosts compromise success rates.

## Top post-compromise BEC behaviors



Source: Defender Threat Experts notifications

## Actionable Insights

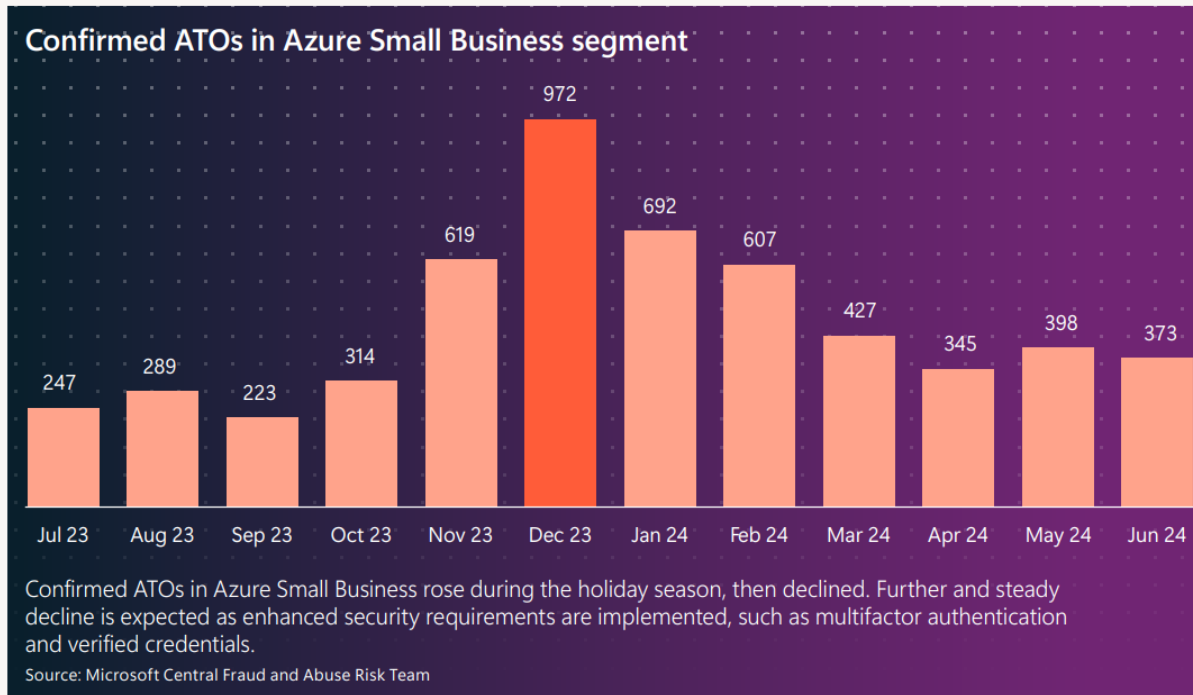
- 1 Even if a tool seems familiar, don’t assume it is safe. In the past year, Microsoft identified a new trend where adversaries were misusing three legitimate tools for malicious activities.
- 2 Attacks are more sophisticated. Another notable trend is the personalization of phishing campaigns and outbound communications using local languages.
- 3 QR code phishing is on the rise but effective detection and blocking measures can greatly reduce the volume of attacks.
- 4 Shadow IT, or pieces of hardware or software that users install without the approval of the IT department, are a threat to the organizations and make them vulnerable to phishing and post-compromise activities. IT teams should periodically scan the infrastructure to detect unauthorized software or hardware and take remedial actions.

## Account takeovers (ATOs)

In the business-to-consumer world there has been a steady pace of account hacking, identity theft, and payment instrument abuse in context of ATOs.

Threat actors prey on the least protected accounts and the most vulnerable individuals, so consistently raising the bar on account protection is important. While the best practice for consumers is to have and keep current MFA while being vigilant about account monitoring, a whole industry has developed to help mitigate the impacts of successful compromises.

In recent years, industry reports have indicated an increasing threat in the business-to-business world and the arena of managed online services. Because compromise of the latter may impact the downstream customers of client businesses, this adds another layer of complexity and risk.



According to one study, 29% of internet users have now experienced ATO, up from 22% in 2021.<sup>32</sup> Business account takeovers rose from 13% to 21% in the same period.

According to Microsoft's trend monitoring, many Microsoft accounts that were taken over last year did not follow basic account security best practices, like using MFA. Despite the emergence of more advanced hacking techniques, most ATOs still happen through simple methods like password spraying, phishing, keylogging, and using passwords from previous attacks found on the web.

Recently, Microsoft has experienced a surge in attacks on "generic," "group," or "multiuser" accounts. These accounts typically have outdated passwords, and the original user may no longer be monitoring them. Generic accounts are commonly used by administrators for ease of maintenance but are harder to secure. Implementing effective multi-factor authentication is challenging, and identifying compromises through pattern recognition becomes difficult when multiple users have access. Additionally, account recovery for service providers is problematic, making it challenging to restore hacked accounts to their rightful owners.



### Actionable Insights

- 1 Keeping account security up to the latest standards is critical to protecting yourself from ATO risk.
- 2 Hackers look for weak security and seasonal opportunities when account owners are not focused on monitoring, to scale their attacks.
- 3 Consider moving your user base to an authentication app to enable an easy upgrade to new standards for MFA as they release.

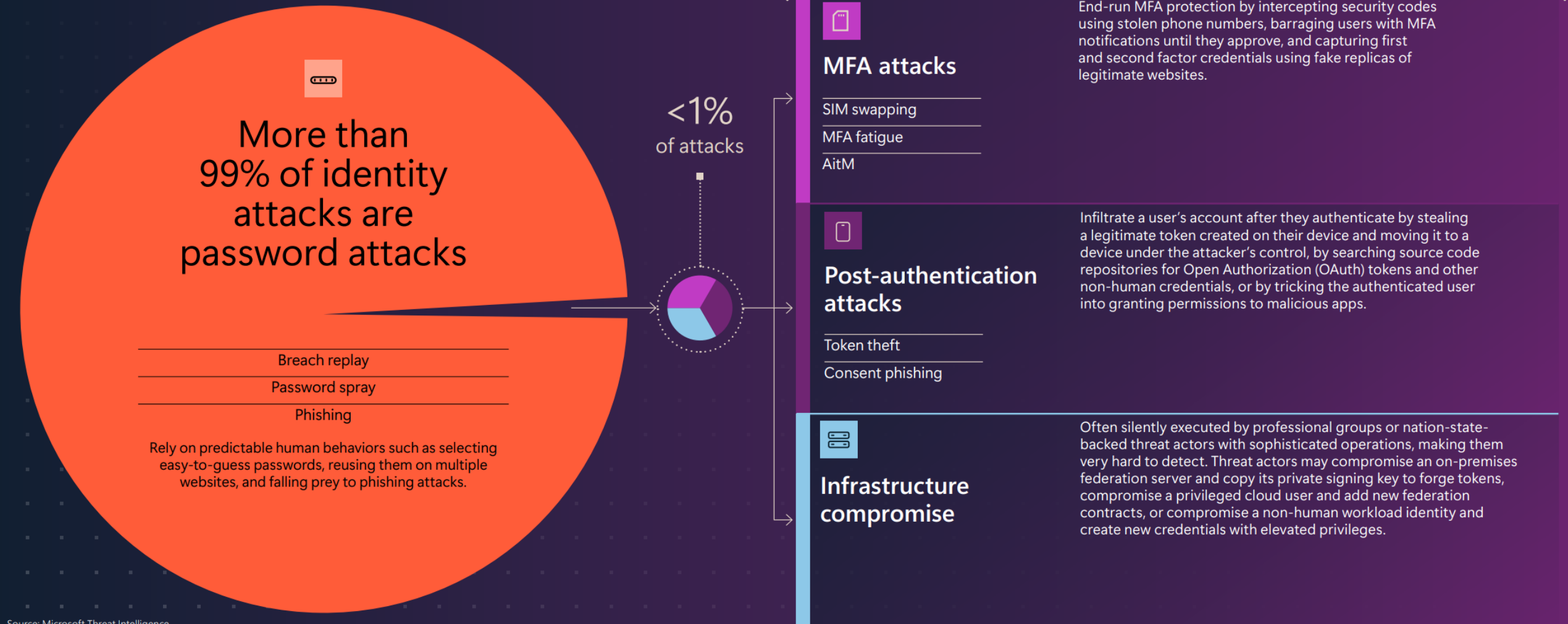


### Links

[Threat actors misusing Quick Assist in social engineering attacks leading to ransomware | Microsoft Security Blog | May 2024](#)

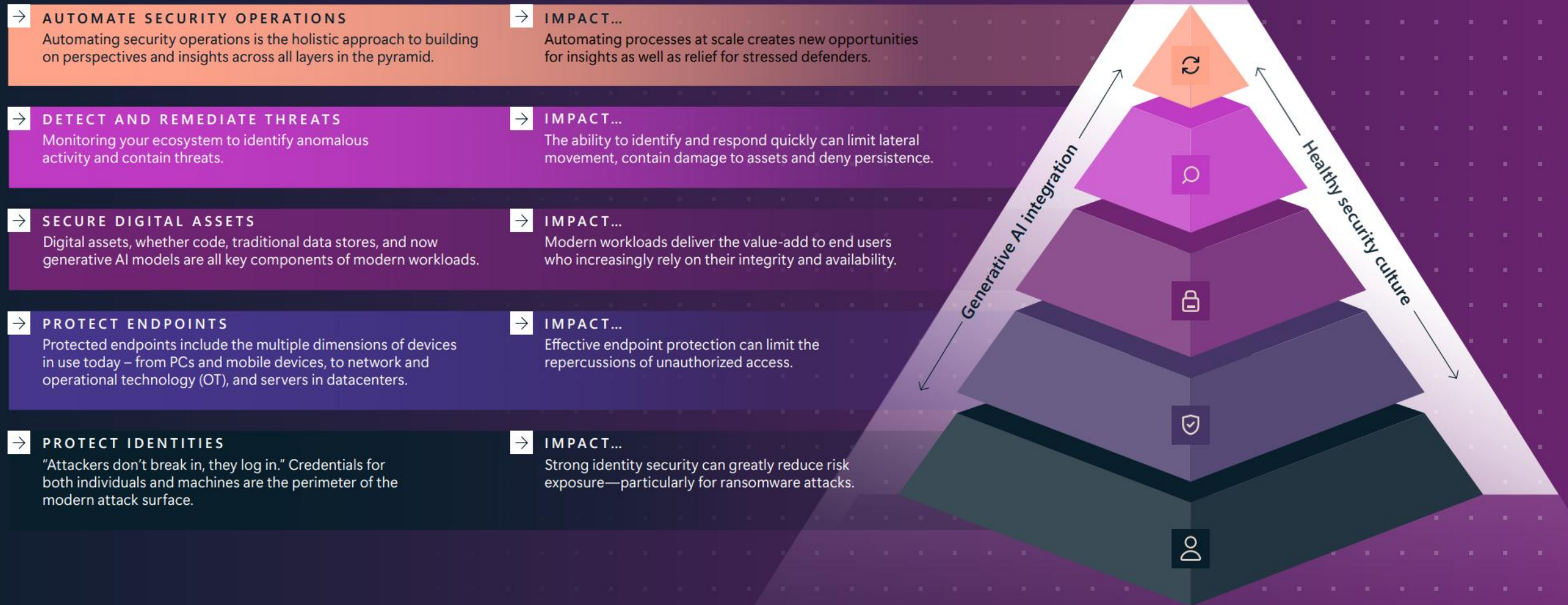
# Identity attacks in perspective

Password-based attacks continue to dominate, but can be thwarted by using strong authentication methods.



# Hierarchy of cybersecurity needs

Drawing inspiration from Maslow's hierarchy of needs, this graphic illustrates a prioritization of cybersecurity, starting with the most basic need: protecting identities. AI has a role at each tier, underscoring its potential to enhance security measures. Cultivating a robust security culture within the organization, helps ensure the technological defenses and human practices evolve in concert to mitigate threats effectively.



# FCC Schools Pilot Program

A decorative graphic on the right side of the slide. It features several parallel diagonal stripes in shades of blue, gold, and green. Overlaid on these stripes are several circles of different colors (gold, dark blue, light grey, green) with a slight 3D effect, suggesting they are floating or attached to the stripes.

## Advanced/Next-Generation Firewalls

Equipment and services that implement advanced/next-generation firewalls, including software-defined firewalls and Firewall as a Service, are eligible. Specifically, equipment, services, or a combination of equipment and services that limits access between networks, excluding basic firewalls that are funded through the Commission's E-Rate program, are eligible.

Eligible equipment and services may include the following features, substantially similar features, or their equivalents:

- Advanced Threat Detection and Prevention
- AI/ML Threat Detection and Response
- Application Awareness & Control
- Cloud-Delivered Threat Intelligence
- Comprehensive Network Visibility Software-defined Firewalls
- Deep Packet Inspection (DPI)
- Distributed-Denial-of-Service (DDoS) Protection
- Firewall as a Service (FWaaS)
- Integrated Intrusion Prevention Systems (IPS)
- Internet of Things (IoT) Security
- Intrusion Prevention/Detection
- Malware Detection
- Network Segmentation
- Patch Management Systems
- VPN

# Endpoint Protection

Equipment and services that implement endpoint protection are eligible. Specifically, equipment, services, or a combination of equipment and services that implements safeguards to protect school- and library-owned end-user devices, including desktops, laptops, and mobile devices, against cyber threats and attacks are eligible.

Eligible equipment and services may include the following features, substantially similar features or their equivalents:

- Anti-Malware
- Anti-Ransomware
- Anti-Spam
- Anti-Virus
- Endpoint Detection & Response (EDR)
- Extended Detection & Response (XDR)
- Insider and Privilege Misuse
- Privileged Access Management
- Secure Sockets Layer (SSL) Inspections
- Target Intrusions
- Web Application Hacking

# Identity Protection and Authentication

Equipment and services that implement identity protection and authentication are eligible. Specifically, equipment, services, or a combination of equipment and services that implements safeguards to protect a user's network identity from theft or misuse and/or provide assurance about the network identity of an entity interacting with a system are eligible.

Eligible equipment and services may include the following features, substantially similar features, or their equivalents:

- Active Countermeasure Tools
- Cloud Application Protection
- Cloud Services
- Credential Stuffing
- Content Blocking and Filtering/URL Filtering
- Content Caching Systems and Service
- Customer Portal Services
- Digital Identity Tools
- Distributed-Denial-of-Service (DDoS) Protection
- DNS/DNS-Layer Security, Blocking, and Filtering
- Email and Web Security
- Identity Governance & Technologies
- Logging Practices / Event Logging
- Network Access Control
- Offsite/Immutable back-ups
- MFA/Phishing-Resistant MFA
- Patching
- Password Spraying
- Privileged Identity Management
- Products with TPM Chips
- Secure Access Service Edge (SASE)
- Secure-By-Design Equipment and Services
- Security Information and Event Management (SIEM)
- Security Updates
- Single Sign-On (SSO)
- Trusted Platform Module (TPM)
- Web Content Controls
- Wireless Access Controllers
- Zero Trust Architecture

# Monitoring, Detection, and Response

Equipment and services that implement monitoring, detection and response are eligible. Specifically, equipment, services, or a combination of equipment and services that monitor and/or detect threats to a network and that take responsive action to remediate or otherwise address those threats is eligible.

Eligible equipment and services may include the following features, substantially similar features, or their equivalents:

- Advanced Attack Surface Management and Asset Management Solutions
- Bug Bounty Solutions & Services
- Compliance Assessment
- Dark Web Scanning
- Data Loss Prevention
- Internal/External Vulnerability Scanning
- Network/Device Monitoring & Response
- Network Security Audit
- Network Traffic Analysis
- Managed Detection & Response (MDR)
- Managed Service Providers
- Maturity Models
- Network Detection Response (NDR)
- Penetration Testing
- Security Operations Center (SOC) for Around the Clock (24/7/365) Monitoring, Detection, and Response
- Threat Hunting/Updates and Threat Intelligence
- Vulnerability Management

# Ignite Updates

The background of the slide is a solid blue color. On the right side, there are several diagonal stripes in yellow, dark blue, and green. These stripes are decorated with various geometric shapes: circles and rounded rectangles in shades of yellow, dark blue, and light grey. The shapes are arranged in a way that creates a sense of depth and movement, as if they are floating or layered on top of each other.

# Purview DLP



**Extended file type coverage for endpoint DLP in public preview:** We are greatly expanding the breadth of scannable file types (110+) and extraction limits for endpoint DLP on Windows devices. This improvement will begin rolling out to customers this month and continue worldwide in the coming weeks.



**Blanket protections for non-supported file types in public preview:** Enforce blanket-level protections for file types that Purview endpoint DLP does not currently; EG:prevent copying to USB for all CAD files, regardless of their contents.



**Additional MacOS Support:** Just in Time Protection for files that have not been previously interacted with. Also additional support for web-based activities.



**Enhanced filtering for DLP alerts in Defender XDR**

# Defender XDR



**Microsoft Defender for Office 365:** we are now using [purpose-built Large Language Models \(LLM\)](#) at scale. MDO parses language to understand and identify attacker intent and classifies threats at machine speed – keeping malicious emails out of your inbox and insight into adversary techniques



[Threat Intelligence Tracking via Adaptive Networks \(TITAN\)](#): combines Microsoft Threat Intelligence and Microsoft Defender XDR to automatically detect and block emerging attacker infrastructure before it can be used in large-scale attacks.



[Unified Agent](#) for MDE, MDI, and DLP: simplifies agent management and deployment of the XDR stack.



[Native integration of Microsoft Entra Privileged Identity Management \(PIM\) with Defender for Identity](#), allows any 3<sup>rd</sup> party PAM provider to integrate with Defender for Identity, starting with [BeyondTrust](#), [CyberArk](#) and [Delinea](#).