

*NerdioCon*

2025

— PALM SPRINGS







# The AI advantage

Revolutionizing Windows in  
the Cloud management



# Agenda

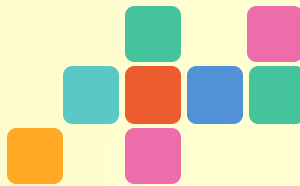
AI Evolution

Power of AI in Windows Cloud management

Nerdio's AI features

The future of AI

Questions





# Wayne Bellows

Technical Account Manager EMEA

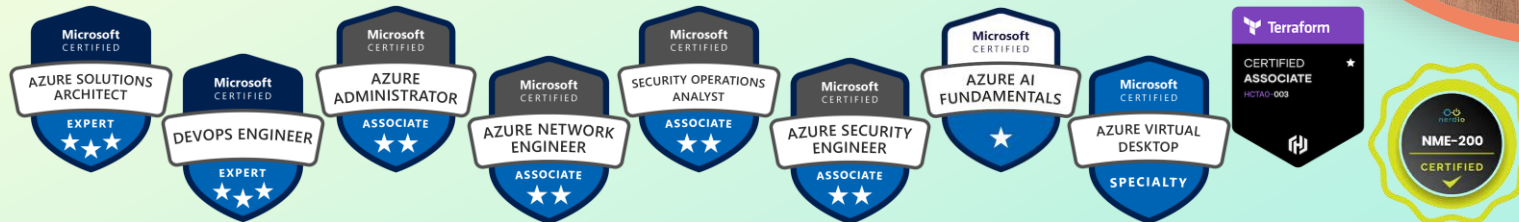
Marathon runner & 8 x Microsoft Certified



waynebellows



@waynebellows.bsky.social









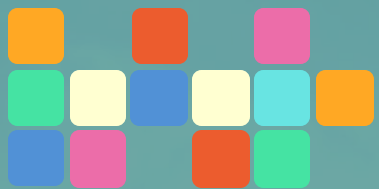
# Amol Dalvi

VP, Product & Engineering

Building software products since 1993

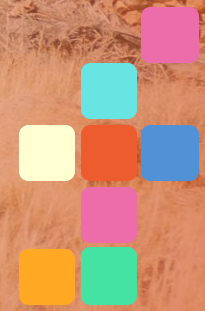






★ *NerdioCon* ★  
2025  
PALM SPRINGS

# AI evolution





# AI evolution

AI is everywhere!





# AI evolution

What does AI mean?

## AI research

- Scientific advancement of AI; building/tuning models
- Developing theory
- Submitting academic papers

## Consumer AI

- General public use
- Practical guidance
- Everyday AI tools for non-experts
- ChatGPT, prompt guides, "AI for dummies"

## Operational AI

- AI integrated into core business functions for specific industries
- Fraud detection, healthcare decisions, legal research

## Workplace AI

- AI tools for employee productivity; extension of the digital workspace, managed by IT
- Microsoft Copilot, document creation/summarization

# AI evolution

## What is AI?

ChatGPT 4o

Artificial Intelligence (AI) is the simulation of human intelligence in machines that are programmed to think, learn, and perform tasks that typically require human cognition. AI systems can process large amounts of data, recognize patterns, make decisions, and improve over time through experience.

### Types of AI

1. **Narrow AI (Weak AI)** – Designed for specific tasks (e.g., virtual assistants, recommendation systems, fraud detection).
2. **General AI (Strong AI)** – Hypothetical AI with human-like reasoning and problem-solving capabilities.
3. **Super AI** – A theoretical concept where AI surpasses human intelligence.

### Key AI Technologies

- **Machine Learning (ML)** – AI learns from data and improves performance over time.
- **Deep Learning** – Advanced ML using neural networks to recognize patterns in complex data.
- **Natural Language Processing (NLP)** – AI understands and generates human language (e.g., chatbots, translation tools).
- **Computer Vision** – AI interprets and analyzes visual information (e.g., facial recognition, medical imaging).
- **Robotics** – AI-powered machines that perform physical tasks.

### Applications of AI

- **Healthcare** – Disease diagnosis, drug discovery, robotic surgeries.
- **Finance** – Fraud detection, algorithmic trading, customer support chatbots.
- **Retail** – Personalized recommendations, inventory management, virtual shopping assistants.
- **Autonomous Vehicles** – Self-driving cars, traffic prediction.
- **Cybersecurity** – Threat detection, automated security responses.

### Challenges & Ethical Concerns

- **Bias & Fairness** – AI models can inherit biases from training data.
- **Privacy** – AI applications may involve data security and surveillance concerns.
- **Job Displacement** – Automation may impact employment in various sectors.
- **Accountability** – AI decisions can be complex and difficult to explain.

AI is transforming industries and everyday life, and ongoing research aims to improve its capabilities while addressing ethical and societal implications.

🔊 📄 📌 🗑️ 🔍 ↺

ChatGPT 4o

What is AI?

**AI (Artificial Intelligence)** refers to the simulation of human intelligence in machines, enabling them to perform tasks that typically require human cognition. These tasks include learning, reasoning, problem-solving, perception, and natural language understanding.

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3. **Super AI** – A hypothetical AI surpassing human intelligence, capable of self-improvement and decision-making beyond human capabilities.

### How AI Works

AI relies on various technologies, including:

- **Machine Learning (ML)**: AI learns from data patterns without explicit programming.
- **Deep Learning**: A subset of ML using neural networks to process complex patterns, e.g., image recognition.
- **Natural Language Processing (NLP)**: Enables AI to understand and generate human language.
- **Computer Vision**: Allows AI to interpret visual information from images and videos.

### Applications of AI

- **Business**: Chatbots, fraud detection, predictive analytics.
- **Healthcare**: Disease diagnosis, drug discovery, robotic surgery.
- **Finance**: Algorithmic trading, risk assessment.
- **Autonomous Vehicles**: Self-driving cars use AI for navigation.
- **Entertainment**: AI-generated content, personalized recommendations.

AI is rapidly evolving, shaping industries, and influencing daily life, with ethical concerns such as bias, job displacement, and privacy remaining key challenges.

🔊 📄 📌 🗑️ 🔍 ↺



# AI evolution

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ChatGPT 4o ▾

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🔊 📄 📌 🔗 🔄 ⌵



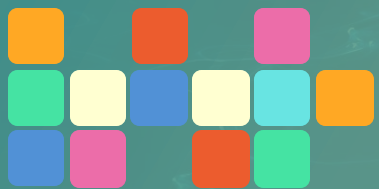
# AI evolution

How can AI make my job easier?

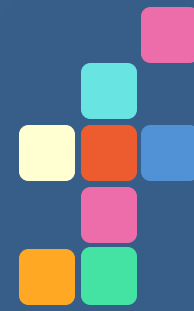
- **AI to assist us, not replace us**
- Automate routine tasks
- Enhance decision-making
- Improve efficiency
- Personalized assistance
- Continuous learning







# The power of AI in Windows cloud management



# The power of AI in Windows cloud management

## Microsoft Copilots

The image is a collage of various Microsoft Copilot interfaces, demonstrating its capabilities in cloud management. The central element is the Microsoft Intune admin center, which features a 'Get started with Copilot' section. To the left, a Copilot chat window shows suggestions for tasks like 'How do I get started with Azure SQL?' and 'Describe cloud concepts for me.' Below this, a search results window displays links to Azure AD workload identity and cluster deployment guides. On the right, a Microsoft Security Copilot interface is shown, displaying a PowerShell script for downloading a file and a summary of its actions. The bottom right corner features a prompt: 'Ask anything about security, or type / for suggestions or \* for promptbooks'.

Microsoft Intune admin center

Woodgrove

### Get started with Copilot

Explore new ways to work smarter and faster using the power of AI.

Learn more about Copilot in Intune

Policy management

Get help with settings while creating a new configuration policy. Let Copilot analyze the potential security impact of a policy.

See how Copilot can help

Troubleshooting

Quickly analyze apps and policies assigned to a device to help determine issues affecting your users.

See how Copilot can help

Status

- Devices not in compliance: 44
- Configuration policies with error or conflict: 10
- Client app install failure: 4
- Cloud PCs with failed provisioning: 0

Connector errors: 4

Service health: Healthy

Account status: Active

Spotlight

### Introducing the Microsoft Intune Suite

The unified solution includes Remote Help, Endpoint Privilege Management, AI-powered advanced analytics, and more.

Explore

Microsoft Security Copilot

Start new session and submit prompt

2 references

- 1 Use Azure AD workload identity with Azure ...  
Web | Microsoft learn | <https://learn.microsoft.com/en-us/azure/a...>  
"Summit Center is set to start pre-construction planning and site preparation for the new arena in Atlanta April 2023..."
- 2 Deploy and configure cluster

1 of 10 requests

Feb 14, 8:45 AM | 36.37s

The provided PowerShell script performs the following actions step by step:

1. Suppress error messages by setting the `$ErrorActionPreference` variable to 'silentlycontinue':

```
1 $ErrorActionPreference = 'silentlycontinue'
```

The intent of this script appears to be downloading a file from a remote server (IP: 11.11.11.11) and saving it as 'invoice.exe' in the 'C:\test-WDAP-test' directory. The script could be malicious in nature, as they involve downloading and executing an unknown file, which could potentially lead to destructive activities, stealing of information, or changing of sensitive settings.

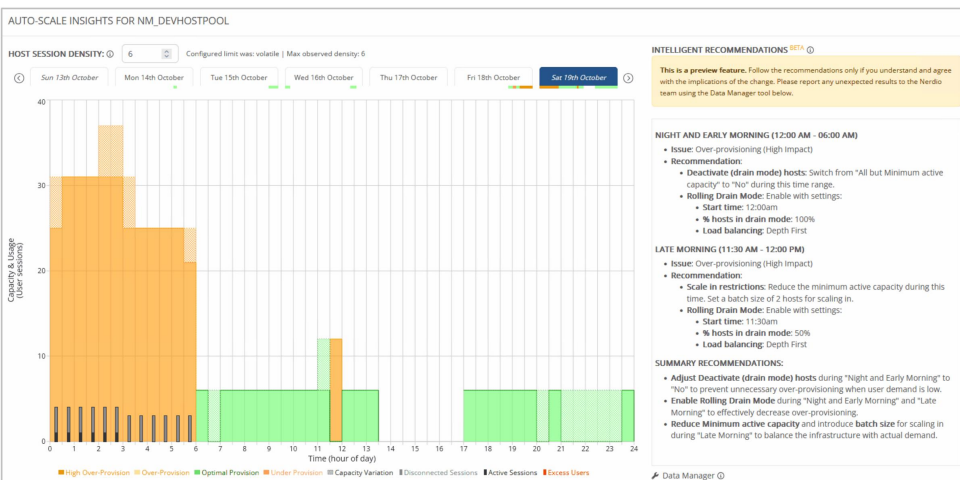
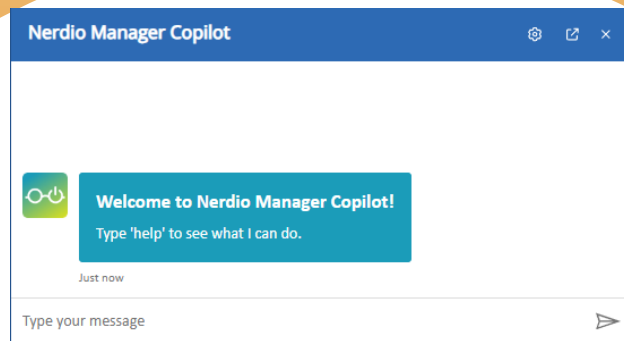
Ask anything about security, or type / for suggestions or \* for promptbooks



# AI in Windows cloud management

Nerdio Manager for Enterprises AI features

- AI-powered auto-scale insights recommendations
- Nerdio Manager Copilot
- Script pro
- AI-powered description generation
- AI-powered PII detector

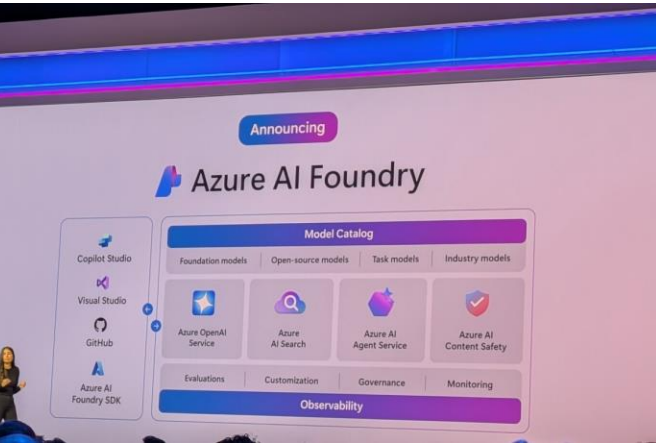


CS-Multisession

Multi-user pooled host pool providing a full desktop experience. Users are load-balanced across session hosts joined to an on-premises Active Directory. FSLogix is enabled for profile management. Auto-scale is configured to optimize resource usage. ✓ ↻

# AI in Windows cloud management

What AI services are used in Nerdio Manager for Enterprise?



 **nerdio** | **manager  
for enterprise**

 **Microsoft  
Azure**

 **OpenAI**

- Azure AI services – Azure OpenAI
- NME provisioned resources
- Tenant-exclusive Azure resources
- Isolated interactions
- Data secured within Azure tenant
- Secure & private
  - Data encryption at rest and in transit
  - RBAC to ensure only authorized users interact with service
  - Audit logs for tracking access and operations
  - Customer Control over data lifecycle



# AI in Windows cloud management

## Azure Responsible AI Notice

- Accept **Azure Responsible AI Notice**
- Create language account
- No charges

### Responsible AI Notice

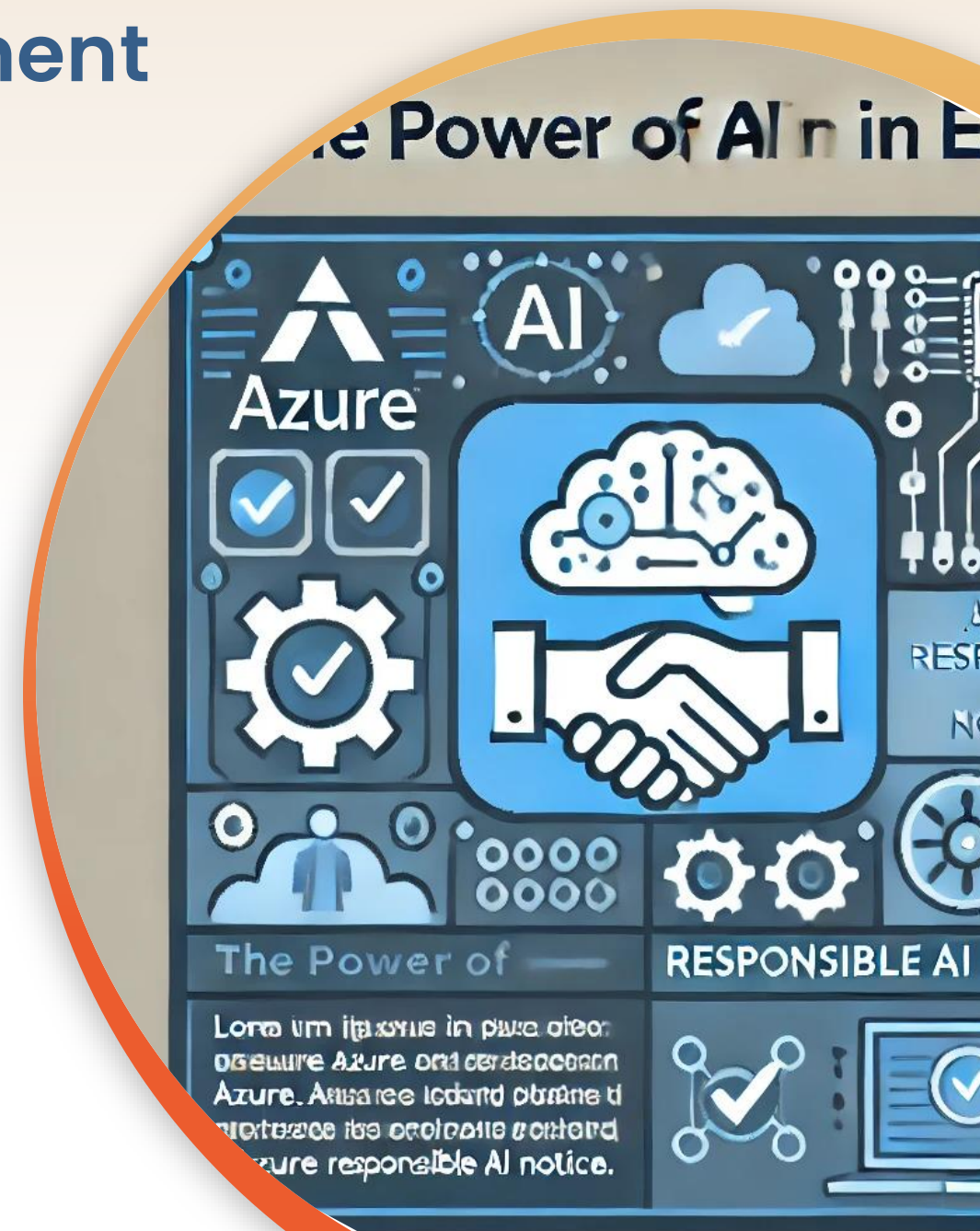
Microsoft provides technical documentation regarding the appropriate operation applicable to this Azure AI service that is made available by Microsoft. Customer acknowledges and agrees that they have reviewed this documentation and will use this service in accordance with it.

[Responsible Use of AI documentation for Text Analytics for Health](#)

[Responsible Use of AI documentation for PII](#)

[Responsible Use of AI documentation for Language](#)

By checking this box I certify that I have reviewed and acknowledge the terms in the Responsible AI Notice. \*



# AI in Windows cloud management

## Create a language account

[Azure AI services | Language service](#) > [Select additional features](#) >

### Create Language

Network Identity Tags Review + create

Link insights from unstructured text using advanced natural language processing. Use sentiment analysis to find out what customers think of your brand. Find topic-relevant phrases using key phrase extraction and identify the language in your text with language detection. Detect and categorize entities in your text with named entity recognition.

[more](#)

#### Project Details

Description \*

Nerdio Manager Demo (30)

Resource group \*

NME-Resources

[Create new](#)

#### Location Details

Location \*

South Central US

Language \*

NMELanguage

Pricing tier \*

Free F0 (5K Transactions per 30 days)

[Full pricing details](#)

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- Azure portal > **Azure AI services.**
- **Language service.**
- Select **+ Create Language.**
- Select **Defaults.**
- Enter **subscription, rg, region & name.**
- Initially select **Pricing tier Free F0.**
- Be sure to select **check box.**

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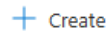
[Home](#) > [Azure AI services](#)


## Azure AI services | Language service

Azure AI services


 Search

× «

 Create


 Manage commitment plans

 Manage deleted resources

 Manage view ▾


 Refresh


 Export to CSV

 Open query

 Assign tags


 Delete


 Overview


 All Azure AI services


▾ Azure AI services


 Azure AI services


 Azure OpenAI


 AI Search

 Computer vision

 Face API

 Custom vision

 Speech service

 Language service


Filter for any field...

Subscription equals **all**

Type equals **all**

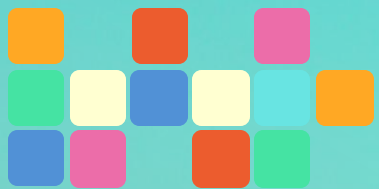
Resource group equals **all** ×

Location equals **all** ×

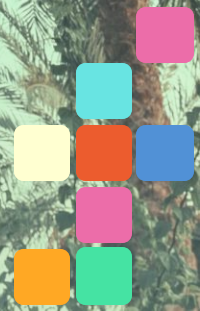
 Add filter

Showing 1 to 1 of 1 records.

<input type="checkbox"/> Name ↑↓	Kind ↑↓	Location ↑↓	Custom Domain Name ↑↓	Pricing tier ↑↓
<input type="checkbox"/>  <a href="#">nerdio-language-instance</a>	TextAnalytics	East US	 <a href="#">nerdio-language-instance</a>	F0



# AI-powered Auto-Scale Insights Recommendations

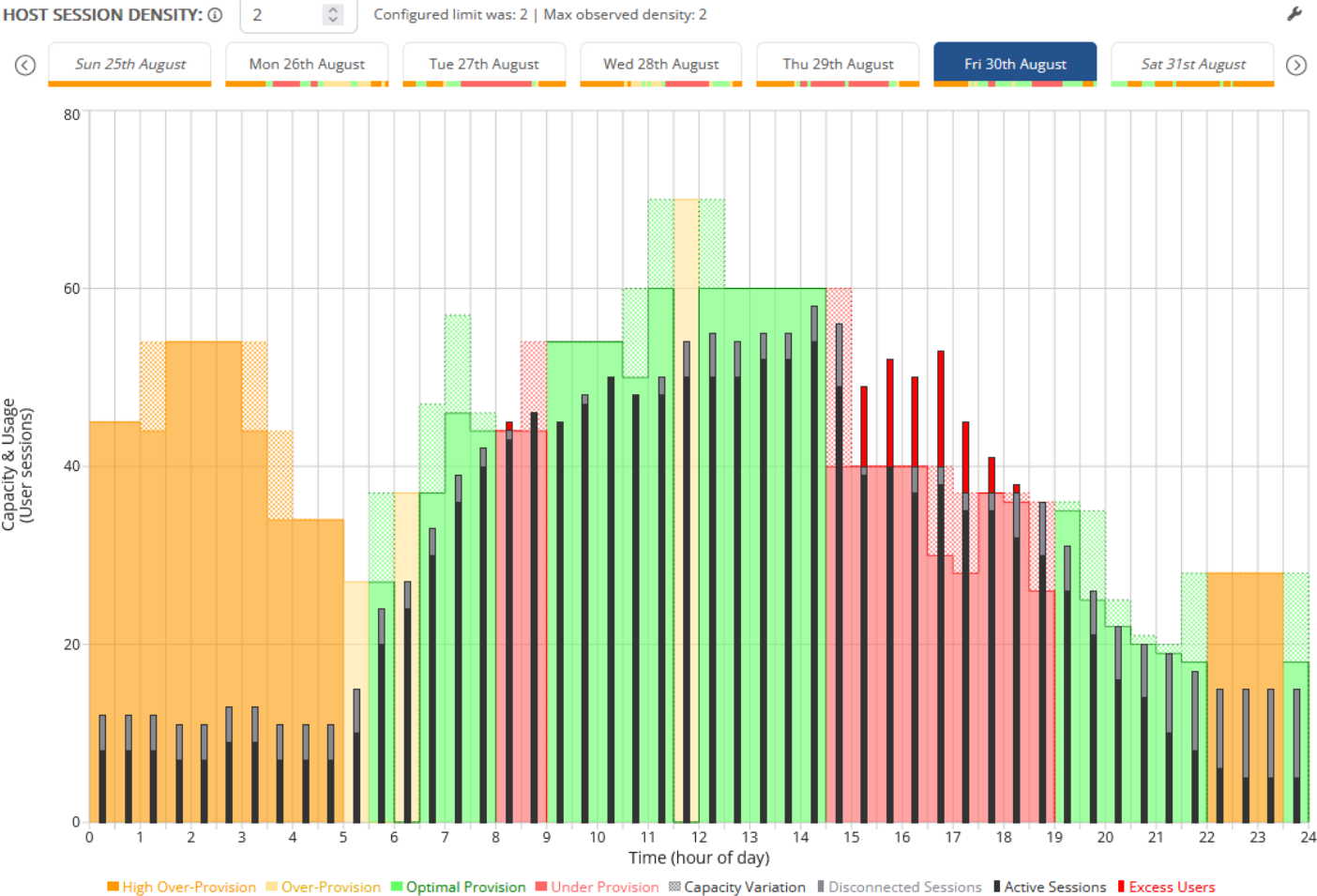




# AI-powered Auto-Scale Insights

## Auto-Scale insights

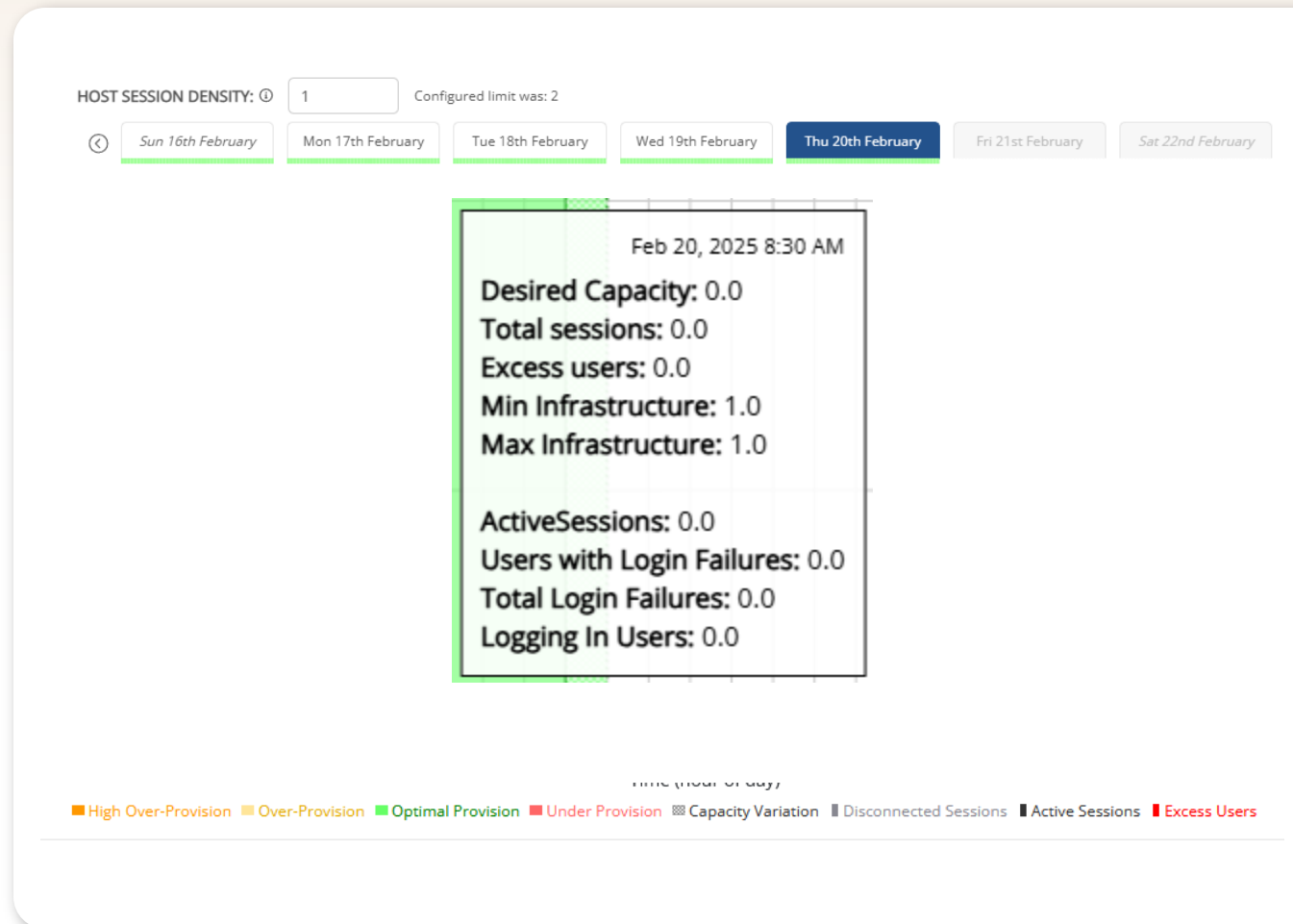
AUTO-SCALE INSIGHTS FOR NM\_DEVHOSTPOOL BETA



# AI-powered Auto-Scale Insights

## Auto-Scale Insights

- **Day:** Usage info for previous 7 days.
- **Hover:** Hover over any part of the graph to see its details.
- **Statuses:**
  - High Over-Provision
  - Over-Provision
  - Optimal Provision
  - Under Provision
  - Total Sessions
  - Excess Users





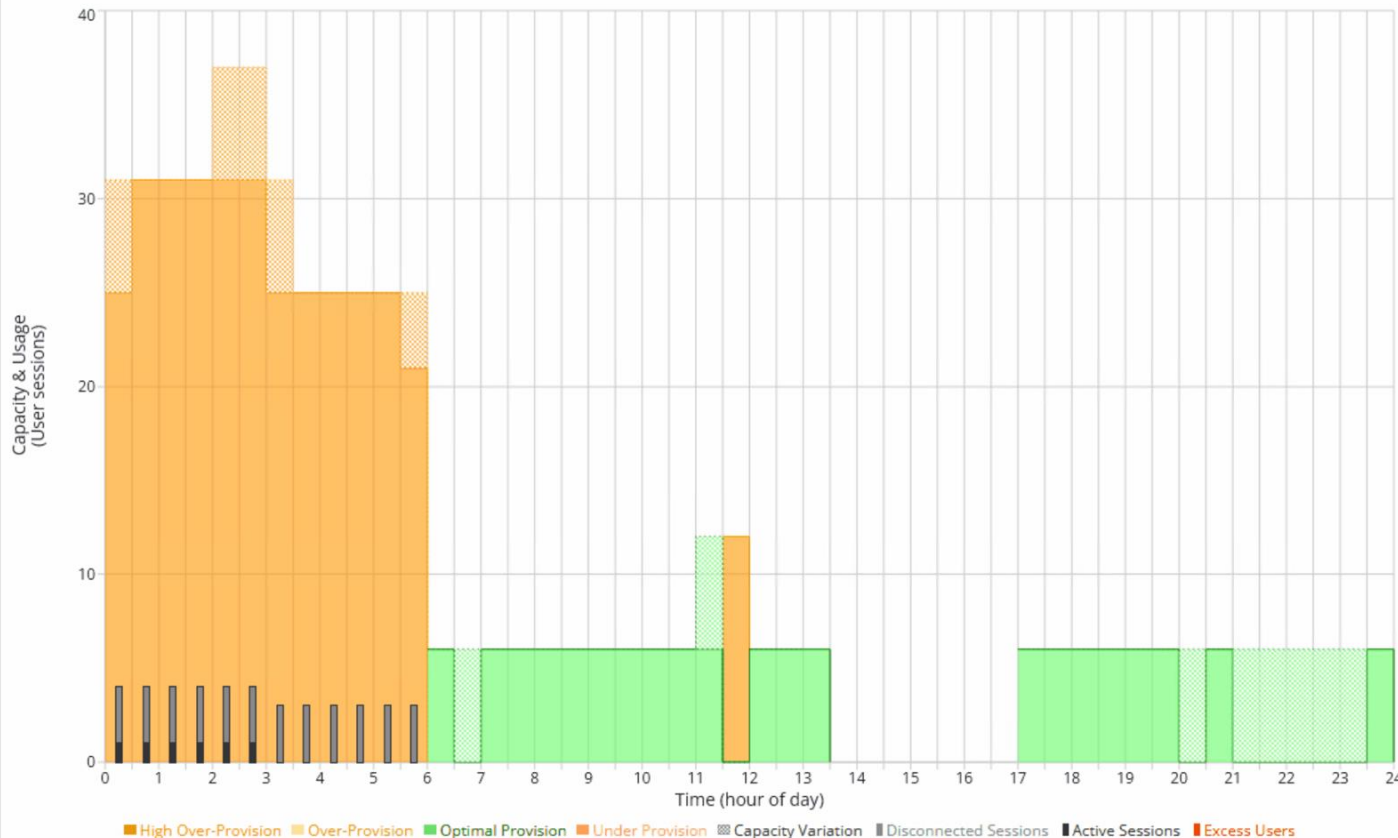
# AI-powered Auto-Scale Insights

## Intelligent Recommendations

### AUTO-SCALE INSIGHTS FOR NM\_DEVHOSTPOOL

HOST SESSION DENSITY: ① 6 Configured limit was: volatile | Max observed density: 6

⏪ Sun 13th October Mon 14th October Tue 15th October Wed 16th October Thu 17th October Fri 18th October Sat 19th October ⏩



### INTELLIGENT RECOMMENDATIONS <sup>BETA</sup> ①

This is a preview feature. Follow the recommendations only if you understand and agree with the implications of the change. Please report any unexpected results to the Nerdio team using the Data Manager tool below.

#### NIGHT AND EARLY MORNING (12:00 AM - 06:00 AM)

- **Issue:** Over-provisioning (High Impact)
- **Recommendation:**
  - **Deactivate (drain mode) hosts:** Switch from "All but Minimum active capacity" to "No" during this time range.
  - **Rolling Drain Mode:** Enable with settings:
    - **Start time:** 12:00am
    - **% hosts in drain mode:** 100%
    - **Load balancing:** Depth First

#### LATE MORNING (11:30 AM - 12:00 PM)

- **Issue:** Over-provisioning (High Impact)
- **Recommendation:**
  - **Scale in restrictions:** Reduce the minimum active capacity during this time. Set a batch size of 2 hosts for scaling in.
  - **Rolling Drain Mode:** Enable with settings:
    - **Start time:** 11:30am
    - **% hosts in drain mode:** 50%
    - **Load balancing:** Depth First

#### SUMMARY RECOMMENDATIONS:

- **Adjust Deactivate (drain mode) hosts** during "Night and Early Morning" to "No" to prevent unnecessary over-provisioning when user demand is low.
- **Enable Rolling Drain Mode** during "Night and Early Morning" and "Late Morning" to effectively decrease over-provisioning.
- **Reduce Minimum active capacity** and introduce **batch size** for scaling in during "Late Morning" to balance the infrastructure with actual demand.

Data Manager ①

# AI-powered Auto-Scale Insights

## Intelligent Recommendations





# AI-powered Auto-Scale Insights

## Recommendations Format

Recommendations split into time frames

AI intelligent recommendations for time frame

Export AI intelligent recommendations

INTELLIGENT RECOMMENDATIONS BETA

This is a preview feature. Follow the recommendations only if you understand and agree with the implications of the change. Please report any unexpected results to the Nerdio team using the Data Manager tool below.

NIGHT AND EARLY MORNING (12:00 AM - 06:30 AM)

- Status: OVER-PROVISIONING (High Impact)
- Recommendation: Evaluate pre-staging settings as the capacity provided (32 sessions) significantly exceeds demand (0 sessions). Consider reducing the number of hosts in the pre-staging configuration to better align with anticipated usage during these hours. Recommended adjustment: set pre-stage to start later or reduce active hosts to 6-8.

MORNING PEAK (07:00 AM - 12:00 PM)

- Status: OVER-PROVISIONING (Medium Impact) until 11:00 AM, then OPTIMAL from 11:00 AM to 12:30 PM.
- Recommendation: Optimize the pre-staging schedule. The demand peaks significantly but is still marginalized by the over-provisioned capacity. Adjust pre-staging to 8-10 hosts active at 7:00 AM, and keep the pre-staging delay at 120 minutes while retaining sufficient capacity to handle demand effectively.

EARLY AFTERNOON (12:30 PM - 01:30 PM)

- Status: OVER-PROVISIONING (Medium Impact)
- Recommendation: As user demand has decreased slightly, allow the scale-in to happen earlier after peak hours. Consider shortening the scale-in restriction to start from 1:00 PM instead of 4:00 PM, which would allow for better capacity alignment.

MID AFTERNOON TO LATE AFTERNOON (01:30 PM - 05:30 PM)

- Status: OVER-PROVISIONING (Medium Impact).
- Recommendation: Adjust the scale-in aggressiveness to HIGH. This will assist in reducing the number of active hosts as soon as user demand contracts. Allow for scale in to occur more fluidly on hosts that are not utilized aggressively.

EVENING AND NIGHT (05:30 PM - 12:00 AM)

- Status: OVER-PROVISIONING (High Impact)
- Recommendation: Implement rolling drain mode following the Scheduled Scale In at 5:00 PM

Data Manager

OK

Status message showing over or under provisioned and impact

Multiple statuses during time frame

- Recommendation: Implement rolling drain mode following the Scheduled Scale In at 5:00 PM to let hosts transition out without abrupt capacity loss. Reducing hosts actively taking new sessions to 50% after 5:30 PM can also help. Any hosts remaining active should be maintained based on last-minute user demand.

SUMMARY RECOMMENDATIONS:

- Pre-Stage Configuration: Reduce pre-staging to 6-8 hosts. Adjust time to start pre-staging later.
- Scale In Restrictions: Shorten the scale-in restriction time frame to start at 1:00 PM.
- Scale In Aggressiveness: Change to HIGH throughout the early to mid afternoon.
- Rolling Drain Mode: Utilize more effectively in late afternoon to balance residual active sessions and host count.

Data Manager

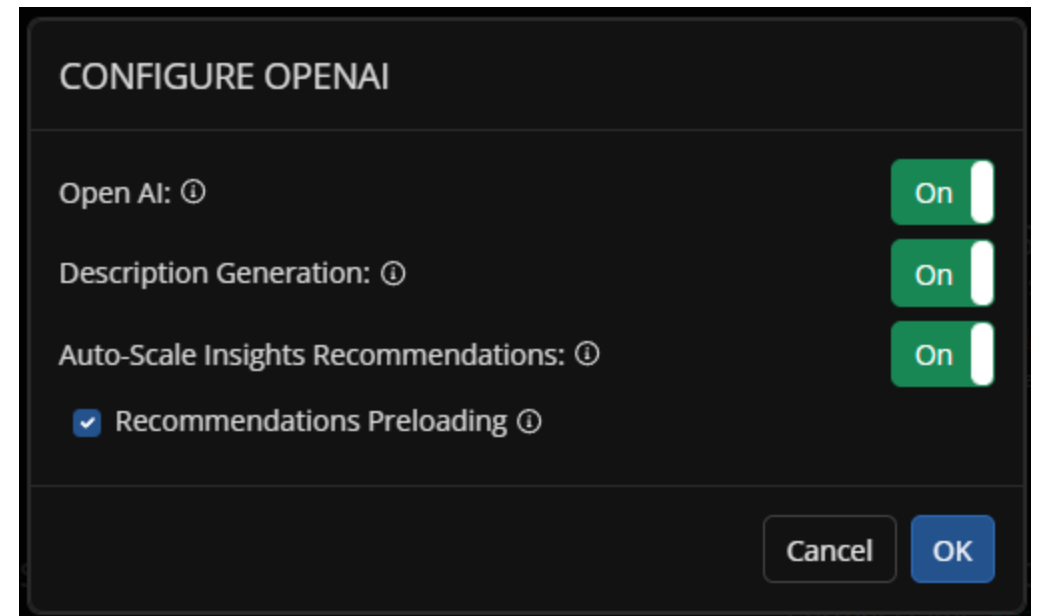
OK

AI intelligent summary recommendations

# AI-powered Auto-Scale Insights

Enable OpenAI integration

- GPT version 4 or higher recommended
- **Settings > Integrations.**
- **Azure AI tile > Description Generation & Auto-Scale Insights Recommendations > Disabled.**
- Enter following info:
  1. **Open AI:** Toggle **On** to enable.
  2. **Description Generation:** Toggle **On** to enable.
  3. **Auto-Scale Insights Recommendations:** Toggle **On** to enable.
  4. **Recommendations Preloading:** Automatic preload.





### ENABLE OPENAI

Cognitive Services account

Nerdio\_OpenAI\_Service

Resource group

OV\_Nerdio\_NME

Location group

East US

Deployment

Nerdio\_OpenAI\_Deployment

Model

gpt-4o-mini (2024-07-18)

Description Generation: ⓘ

On

Auto-Scale Insights Recommendations: ⓘ

On

☒ Recommendations Preloading ⓘ

Cancel

OK

### Azure AI

Azure AI Language — PII Detector: [Disabled](#) ⓘ

Description Generation & Auto-Scale Insights Recommendations: [Disabled](#) ⓘ

### SETTINGS TASKS ⓘ

Search...

ALL STATUSES

TASK ⓘ

RESOURCE NAME ⓘ

USER ⓘ

STATUS ⓘ

CREATED ⓘ

COMPLETED ⓘ

Enable OpenAI

CognitiveServices/Nerdio\_OpenAI\_Service/deployments/Nerdio\_OpenAI\_Deployment

IN PROGRESS

Jan 3, 2025 11:23 AM

-

Details Cancel

# ENABLE OPENAI

Cognitive Services account

nerdio-openai-instance

x | v

Account key

☒ Get key automatically

Deployment

gpt-4o

x | v

Description Generation: ⓘ

On

Auto-Scale Insights Recommendations: ⓘ

On

☒ Recommendations Preloading ⓘ

Cancel

OK

## JOB DETAILS - ENABLE OPENAI : COGNITIVESERVICES/NERDIO-OPENAI-INSTANCE/DEPLOYMENTS/GPT-4O

USER: Wayne Bellows  
EMAIL: wbellows@nerdiotam1.onmicrosoft.com  
CLIENT IP: 87.74.198.46

NAME	START / COMPLETE	STATUS	RESULT
Set API context	Feb 24, 2025 04:23 PM Feb 24, 2025 04:23 PM	✓ COMPLETE	Run all commands to Azure from [App] Run all commands to Graph from [App] Run all commands to AVD V1 from [App] Success
Configuration	Feb 24, 2025 04:23 PM Feb 24, 2025 04:23 PM	✓ COMPLETE	> Parameters
Save settings	Feb 24, 2025 04:23 PM Feb 24, 2025 04:23 PM	✓ COMPLETE	Saved

Close

## Azure AI

Azure AI Language — PII Detector: [Disabled](#) ⓘ

Description Generation & Auto-Scale Insights Recommendations: [Enabled](#) ⓘ

Open AI : [nerdio-openai-instance](#)

Open AI deployment : [gpt-4o](#)



# AI-powered Auto-Scale Insights

- Azure OpenAI services are **billed per token**
- Factors like **region and language model** contribute to Azure OpenAI costs
- GPT-4o in West US has a cost of **\$0.0025 per 1,000 tokens**

^

Azure OpenAI Service

ⓘ

Language Models, Standard (On-Demand), GPT-4o-...

🔗 🗑️

Upfront: \$0.00

Monthly: \$0.01

Azure OpenAI Service

Region: West US

Model type: Language Models

Pricing Strategy: Standard (On-Demand)

Model: GPT-4o-2024-08-06 Global Deployn

ⓘ

Use this link to check [service availability](#).

Input

1

x1,000 tokens

×

\$0.0025

Per 1,000 tokens

=

\$0.01

Output

1

x1,000 tokens

×

\$0.0100

Per 1,000 tokens

=

\$0.01

Upfront cost

\$0.00

Monthly cost

\$0.01

# AI-powered Auto-Scale Insights

## Using AI Intelligent Recommendations

- **Action menu > Auto-scale > Configure > auto-scale insights pop-up icon** > **Load Recommendations**
- Request automatically generated:
  - **Request Template:** predefined template with detailed instructions for structure of auto-scale system & identifies potential issues
  - **Data Attachment:** data from graph converted to CSV & appended to request along with human-readable description
- OpenAI response received:
  - Data parsed and cached in database
  - Recommendations presented to user
- Data stored in **cache** allowing **same recommendations** to be displayed for same date and host pool

**MANAGE AUTO-SCALE AADJ MULTI-SESSION DESKTOP**

**AUTO-SCALE**

RemoteApp host pools deliver applications that are published to assigned users. These RemoteApps are provided by a pool of session host VMs. Multiple users may stream RemoteApps from the same session host VM. Auto-scaling is configured by setting minimum and maximum host pool sizing and defining the scaling logic that properly sizes the host pool with sufficient capacity to support the user load. When auto-scale is turned off, session hosts can be manually added to and removed from the host pool.

**AUTOSCALE TIMEZONE:** (UTC-06:00) Central Time (US & Canada)

Hosts will be provisioned based on the template for pool:

**NAME:** AADJMS Prefix

**NETWORK:** NWM-Demo-Vnet (NWM)

**DESKTOP IMAGE (TEMPLATE):** Windows 11 AVD + Microsoft 365 Apps - Ge...

**VM SIZE (TEMPLATE):** D2ads\_v5 (2C & 8GB @ \$0.10/hr)

**RUNNING OS DISK (TEMPLATE):** 128 GB (P10 Premium SSD @ \$0.03/hr)

**STOPPED OS DISK TYPE:** Standard HDD

**RESOURCE GROUP:** NWM-Demo

**VM NAMING:** Re-use names

☐ Automatically re-image used hosts

Changes to the template will apply to newly created or re-imaged host VMs.

**ESTIMATED MONTHLY COSTS**

	MINIMUM	MAXIMUM
COMPUTE	-	\$375.95
STORAGE	\$17.66	\$98.55

**AUTO-SCALE INSIGHTS**

HOST SESSION DENSITY: 1 Configured limit was: 2

Capacity & Usage (User sessions)

Time (hour of day)

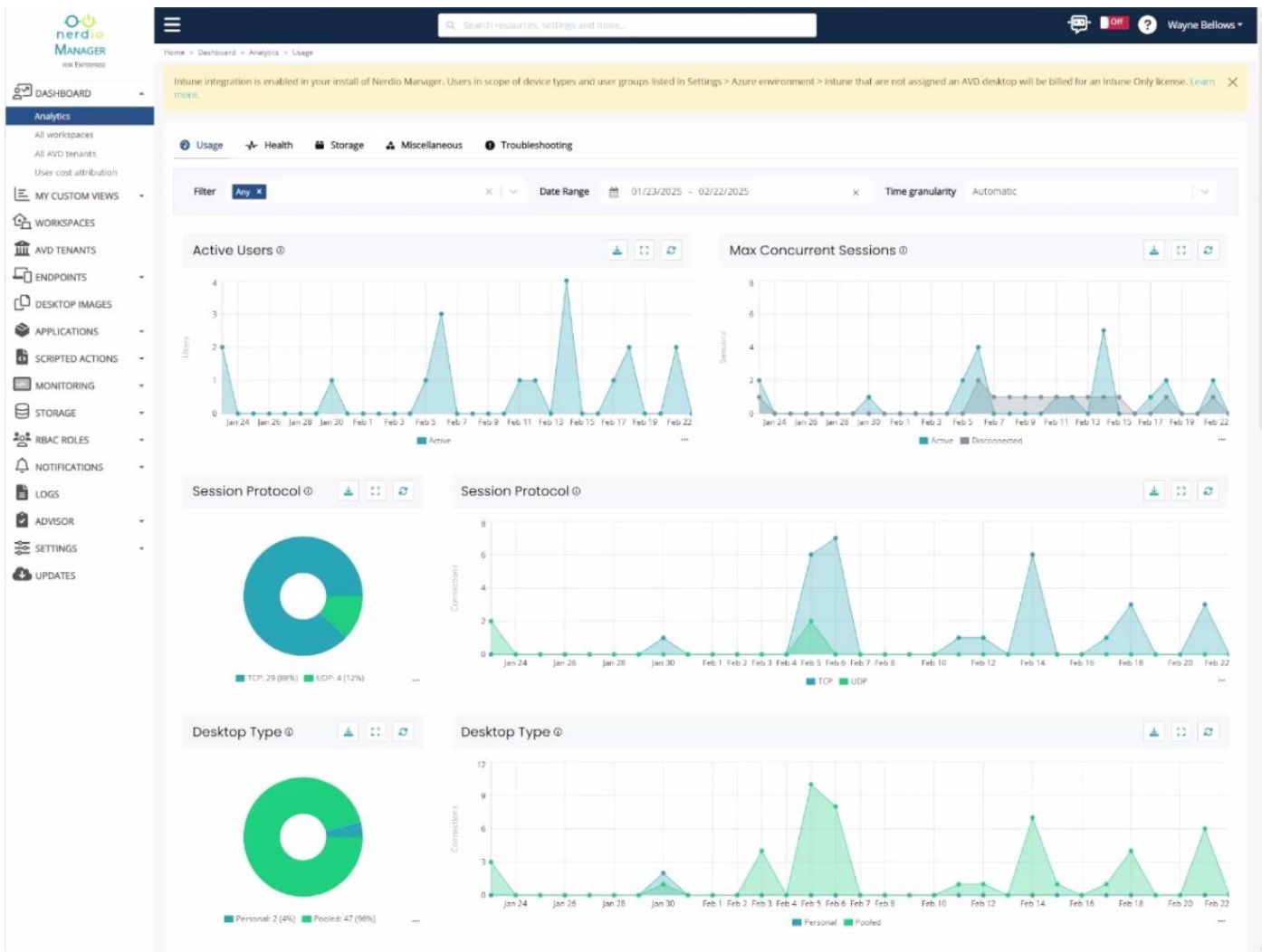
Legend: High Over-Provision, Over-Provision, Optimal Provision, Under-Provision, Capacity Variation, Disconnected Sessions, Active Sessions, Excess Users

**INTELLIGENT RECOMMENDATIONS BETA**

This is a preview feature. Follow the recommendations with the implications of the change. Please report feedback to the team using the Data Manager tool below.

**Load Recommendation**

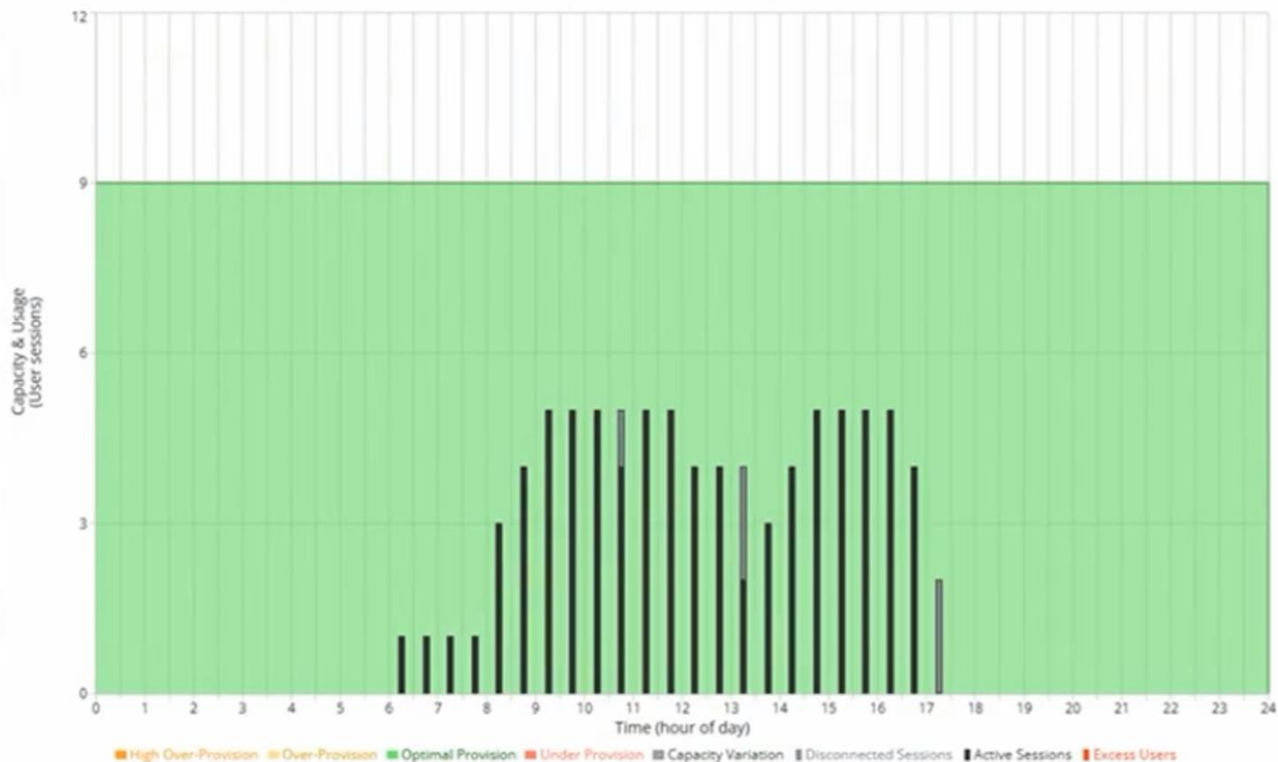




## AUTO-SCALE INSIGHTS FOR REMOTE\_APPS\_USERS

HOST SESSION DENSITY: ① 9 Configured limit was: volatile | Max observed density: 9

② Sun 29th December Mon 30th December Tue 31st December Wed 1st January Thu 2nd January Fri 3rd January Sat 4th January



### INTELLIGENT RECOMMENDATIONS <sup>BETA</sup> ③

This is a preview feature. Follow the recommendations only if you understand and agree with the implications of the change. Please report any unexpected results to the Nerdio team using the Data Manager tool below.

#### MORNING PEAK (08:00 AM - 12:00 PM)

All periods are labeled "OPTIMAL." There are no recommendations required as user demand is being effectively met by the current capacity.

#### EARLY AFTERNOON (12:00 PM - 01:30 PM)

All periods are labeled "OPTIMAL." There are no recommendations required as user demand is being effectively met by the current capacity.

#### MID AFTERNOON (01:30 PM - 05:00 PM)

All periods are labeled "OPTIMAL." There are no recommendations required as user demand is being effectively met by the current capacity.

#### LATE AFTERNOON (05:00 PM - 08:30 PM)

All periods are labeled "OPTIMAL." There are no recommendations required as user demand is being effectively met by the current capacity.

#### EVENING (08:30 PM - 12:00 AM)

All periods are labeled "OPTIMAL." There are no recommendations required as user demand is being effectively met by the current capacity.

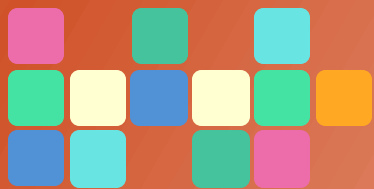
#### SUMMARY RECOMMENDATIONS:

- No changes are necessary for any time periods as all periods are classified as "OPTIMAL." The existing auto-scaling configuration successfully aligns infrastructure capacity with user demand.

Data Manager ④

OK



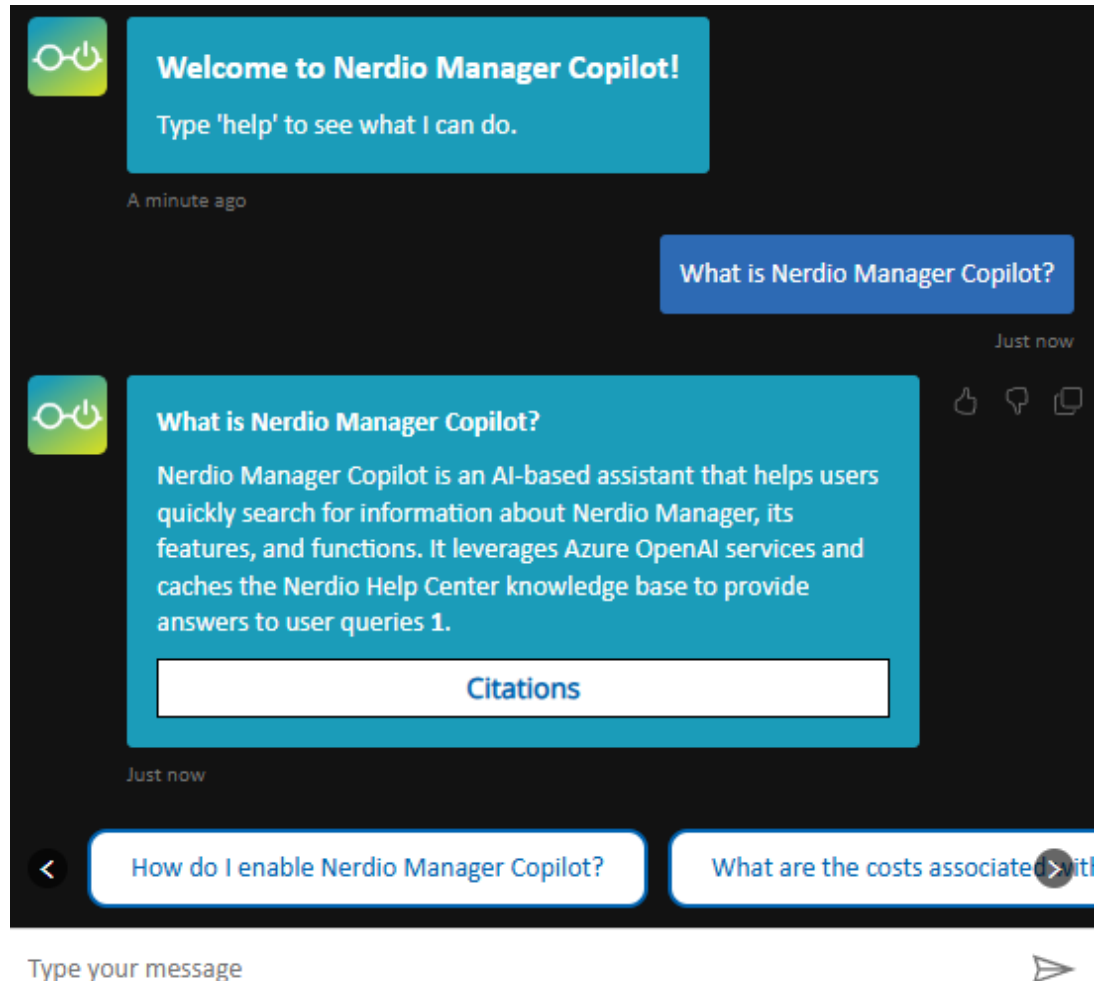


# Nerdio Copilot




# Nerdio Manager Copilot

What is it?



- **Nerdio AI-based assistant**
- Search for information about:
  - **Nerdio Manager**
  - **Features**
  - **Functions**
- Uses **Azure OpenAI services**
- Includes **Script Pro** (Public Preview)
  - **Build scripts** with Copilot in natural language
- **Citations** included for source material





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FOR ENTERPRISE

DASHBOARD

MY CUSTOM VIEWS

HOSTPOOLS

WORKSPACES

ENDPOINTS

DESKTOP IMAGES

APPLICATIONS

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HomeWorkspaces

Intune integration is enabled in your install of Nerdio Manager. Users in scope of device types and user groups listed in Settings > Azure environment > Intune that are not assigned an AVD desktop will be billed for an Intune Only license. [Learn more.](#)

WORKSPACES

NAME	USER FRIENDLY NAME	USAGE (Past 30 days)	ADDITIONAL INFO	MONTHLY SAVINGS & COSTS
Chris-Workspace <small>&lt;no description&gt; (ChrisAVD / eastus)</small>	<no friendly name>	Highest named users: 1 Monthly active users: 1 Highest concurrent users: 1 Highest CPU cores: 6	Multi user desktop & RemoteApp pools: 1 (2 hosts) Single user pooled desktop pools: 0 (0 hosts) Single user personal desktop pools: 1 (1 hosts)	Monthly savings: \$137.14 (72.4%) Named user cost: \$32.35/month Concurrent user cost: \$32.35/month Monthly active user cost: \$32.35/month
DerekDRTest <small>&lt;no description&gt; (DerekDRTest / eastus)</small>	DerekDRTest	Highest named users: 2 Monthly active users: 0 Highest concurrent users: 0 Highest CPU cores: 1	Multi user desktop & RemoteApp pools: 1 (1 hosts) Single user pooled desktop pools: 0 (0 hosts) Single user personal desktop pools: 0 (0 hosts)	Insufficient data
TAM-Main <small>&lt;no description&gt; (TAM-AVD / westus2)</small>	TAM-Main	Highest named users: 13 Monthly active users: 0 Highest concurrent users: 0 Highest CPU cores: 11	Multi user desktop & RemoteApp pools: 5 (3 hosts) Single user pooled desktop pools: 1 (0 hosts) Single user personal desktop pools: 3 (4 hosts)	Monthly savings: \$25.04 (82.12%) Named user cost: \$1.36/month

3 (filtered) / 6 (total) items

WORKSPACES TASKS

TASK	RESOURCE NAME	USER	STATUS	CREATED	COMPLETED
Create workspace	SoulGlow	sjaber@getnerdio.com	COMPLETE	Feb 18, 2025 09:31 PM	Feb 18, 2025 09:31 PM

Wayne Bellows



# Nerdio Manager Copilot

## Use cases

- Supports **L1-L2 IT support**
- Ask **natural language questions**:
  - How do I reset an FSLogix profile?
  - How do I log off a user from an AVD session?
- Pulls info from **Nerdio KBs**
  - Accurate and contextual responses

# Nerdio Manager Copilot

How do you enable it?

- **Settings > Nerdio environment.**
- **Nerdio Manager Copilot tile > Deploy.**
- Enter following info:
  - **Resource group**
  - **Model name–Regions:**
    - Can select same or different regions for each model. A separate Azure resource created for each selected region.
- **Other Resources:** Optionally, expand to view other resources.
- **Customize resources tags:** Optionally, expand to enter custom tags.
- Deployment takes **30–35 mins.**

## DEPLOY NERDIO MANAGER COPILOT ⓘ

Resource group ⓘ

Select resource group ▼

**OpenAI:** Please select regions for each required OpenAI model based on available quotas. You can choose the same region for all models or different regions for each model. A separate Azure resource will be created for each selected region.

Model name	Region
gpt-35-turbo	Select location ▼
gpt-4o	Select location ▼
gpt-4o-mini	Select location ▼
text-embedding-ada-002	Select location ▼

> Other Resources

> Customize resources tags ⓘ

Cancel

OK



Resource group ⓘ

NerdioTest2

**OpenAI:** Please select regions for each required OpenAI model based on available quotas. You can choose the same region for all models or different regions for each model. A separate Azure resource will be created for each selected region.

Model name	Region	uksouth	westus
gpt-35-turbo	UK South ⓘ	✔ Available	
gpt-4o	West US ⓘ		✔ Available
gpt-4o-mini	West US ⓘ		✔ Available
text-embedding-ada-002	UK South ⓘ	✔ Available	

▼ 2 OpenAI resource(s) will be created:

UKSOUTH

nc-openai-uksouth-322e

WESTUS

nc-openai-westus-322e

▼ Other Resources

TEXT TRANSLATION SERVICE

nerdio-copilot-text-translation-322e

FORM RECOGNIZER SERVICE

nerdio-copilot-form-recognizer-322e

AD APPLICATION

nerdio-copilot-app-322e

APP SERVICE PLAN LINUX

ASP-nerdiocopilot-linux

STORAGE ACCOUNT

nerdiocopilotsa322e

STORAGE ACCOUNT FUNC

nerdiocopilotfunc322e

STORAGE ACCOUNT PY FUNC

nerdiocopilotpyfunc322e

EVENT GRID SYSTEM TOPIC

nerdiocopiloteg-322e

EVENT HUBS NAMESPACE

nerdio-copilot-event-hubs-322e

EVENT HUB

nerdio-copilot-sa-eh-322e

SERVICE BUS NAMESPACE

nerdio-copilot-sb-ns-322e

BOT SERVICE

nerdio-copilot-bot-322e

SEARCH SERVICE

nerdio-copilot-search-322e

RECOVERY SERVICES VAULT

nerdiocopilotrsvault-322e

SQL SERVER

nerdio-copilot-sql-server-322e

SQL DATABASE

nerdio-copilot-sql-db-322e

OPERATIONAL INSIGHTS  
WORKSPACE

nerdiocopilotanalyticsworkspace-322e

FUNCTION APP 1

nerdio-copilot-python-functions-322e

FUNCTION APP 2

nerdio-copilot-functions-322e

WEB APP 1

nerdio-copilot-bot-322e

WEB APP 2

nerdio-copilot-searcher-322e

› Customize resources tags ⓘ

Cancel

OK

## Nerdio Manager Copilot ⓘ

[Deploy](#)

SETTINGS TASKS ⓘ 🔍

Search...

ALL STATUSES



TASK ⓘ	RESOURCE NAME ⓘ	USER ⓘ	STATUS ⓘ	CREATED ⓘ	COMPLETED ⓘ
Deploy Nerdio Copilot	Nerdio Copilot		🔄 IN PROGRESS <i>Run-mode: Restart</i>	Dec 30, 2024 02:27 PM	<a href="#">Details</a> <a href="#">Cancel</a>
	Configuration	Jan 3, 2025 11:15 AM Jan 3, 2025 11:15 AM	✓ COMPLETE	Parameters	
	Create AAD app	Jan 3, 2025 11:15 AM Jan 3, 2025 11:15 AM	✓ COMPLETE	Success	
	Create app service plan (Linux)	Jan 3, 2025 11:15 AM Jan 3, 2025 11:15 AM	✓ COMPLETE	ASP-nerdiocopilot-linux	
	Create storage account	Jan 3, 2025 11:15 AM Jan 3, 2025 11:16 AM	✓ COMPLETE	nerdiocopilotsa4398	
	Create storage account	Jan 3, 2025 11:16 AM Jan 3, 2025 11:16 AM	✓ COMPLETE	nerdiocopilotfunc4398	
	Create storage account	Jan 3, 2025 11:16 AM Jan 3, 2025 11:16 AM	✓ COMPLETE	nerdiocopilotpyfunc4398	
	Create event grid system topic	Jan 3, 2025 11:16 AM Jan 3, 2025 11:16 AM	✓ COMPLETE	nerdiocopiloteg-4398	
	Create event hubs namespace	Jan 3, 2025 11:16 AM Jan 3, 2025 11:17 AM	✓ COMPLETE	nerdio-copilot-event-hubs-4398	
	Create event hub	Jan 3, 2025 11:17 AM Jan 3, 2025 11:17 AM	✓ COMPLETE	nerdio-copilot-sa-eh-4398	
	Create event subscription	Jan 3, 2025 11:17 AM Jan 3, 2025 11:17 AM	✓ COMPLETE	nerdiocopiloteg	
	Create service bus namespace	Jan 3, 2025 11:17 AM Jan 3, 2025 11:17 AM	✓ COMPLETE	nerdio-copilot-sb-ns-4398	
	Create search service	Jan 3, 2025 11:17 AM Jan 3, 2025 11:17 AM	✓ COMPLETE	nerdio-copilot-search-4398	
	Create recovery services vault	Jan 3, 2025 11:17 AM Jan 3, 2025 11:18 AM	✓ COMPLETE	nerdiocopilotrsvault-4398	
	Create application insight	Jan 3, 2025 11:18 AM	🔄 IN PROGRESS		

# Nerdio Manager Copilot

Enabling notes

DEPLOY NERDIO MANAGER COPILOT ⓘ

Microsoft.BotService resource provider is not registered

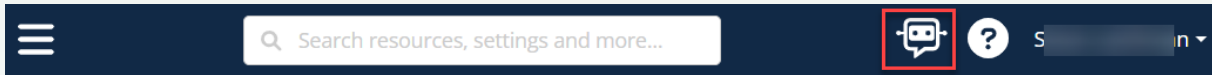
- Availability of Azure OpenAI services is **limited & varies by Azure region**.
- Register following **resource providers**:
  - EventHub
  - EventGrid
  - BotService
  - ServiceBus
  - AppConfiguration
  - Microsoft.Search
- Nerdio Help Center KBs **cached & refreshed daily**.



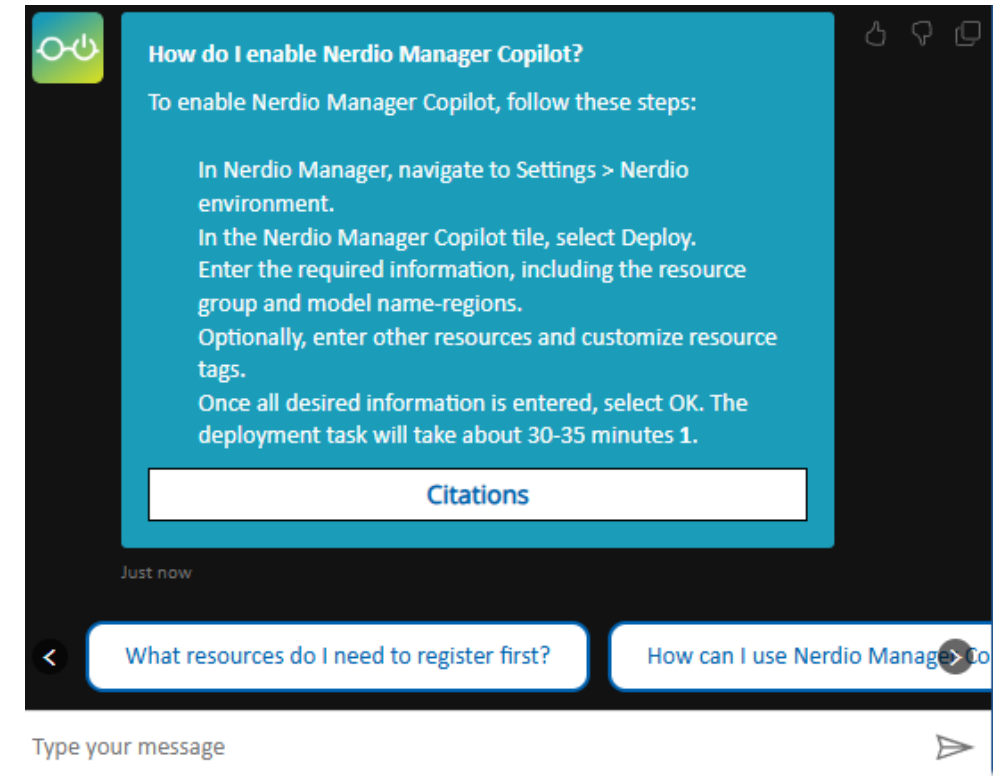
# Nerdio Manager Copilot

How do you use it?

- Upper-right corner of Nerdio Manager > **Nerdio Manager Copilot** icon. 

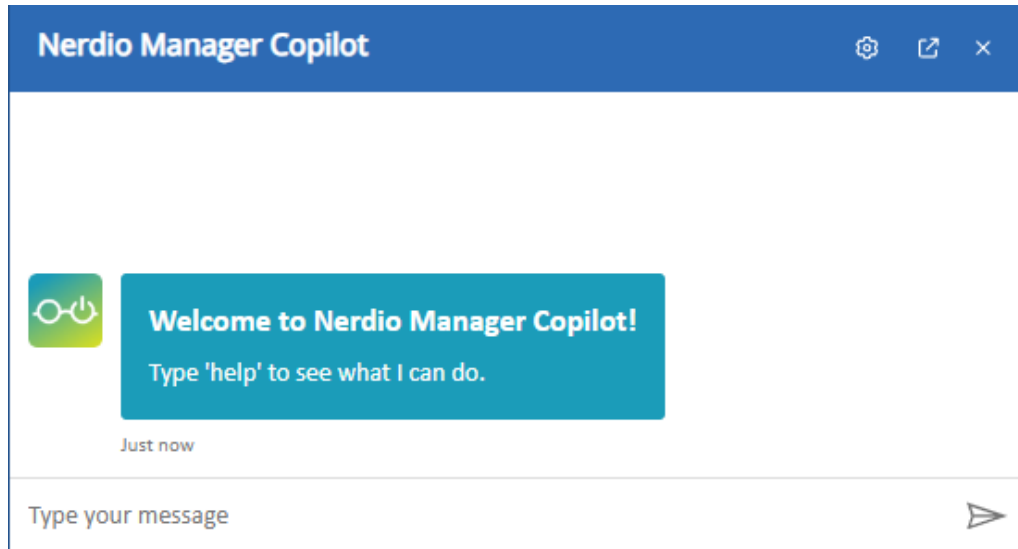


- Connects to bot & **downloads chat history**.
- Ask **any question related to Nerdio Manager** & send them to Copilot.



# Nerdio Manager Copilot

How do you use it?




- You may select any of the view options:
  - Switch to **Sidebar** window:



- Switch to **Detached** window:





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DASHBOARD

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Search resources, settings and more...

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Home

Workspaces

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WORKSPACES

Search...

NAME

USER FRIENDLY NAME

USAGE (Past 30 days)

ADDITIONAL INFO

MONTHLY SAVINGS & COSTS

Chris-Workspace  
no description  
(ChrisAVD / eastus)

<no friendly name>

Highest named users: 1  
Monthly active users: 1  
Highest concurrent users: 1  
Highest CPU cores: 6

Multi user desktop & RemoteApp pools: 1 (2 hosts)  
Single user pooled desktop pools: 0 (0 hosts)  
Single user personal desktop pools: 1 (1 hosts)

Monthly savings: \$137.14 (72.4%)  
Named user cost: \$32.35/month  
Concurrent user cost: \$32.35/month  
Monthly active user cost: \$32.35/month

User sessions

DerekDRTest  
no description  
(DerekDRTest / eastus)

DerekDRTest

Highest named users: 2  
Monthly active users: 0  
Highest concurrent users: 0  
Highest CPU cores: 1

Multi user desktop & RemoteApp pools: 1 (1 hosts)  
Single user pooled desktop pools: 0 (0 hosts)  
Single user personal desktop pools: 0 (0 hosts)

Insufficient data

User sessions

TAM-Main  
no description  
(TAM-AVD / westus2)

TAM-Main

Highest named users: 13  
Monthly active users: 0  
Highest concurrent users: 0  
Highest CPU cores: 11

Multi user desktop & RemoteApp pools: 5 (3 hosts)  
Single user pooled desktop pools: 1 (0 hosts)  
Single user personal desktop pools: 3 (4 hosts)

Monthly savings: \$25.04 (82.12%)  
Named user cost: \$1.36/month

User sessions

3 (filtered) / 6 (total) items

Add Workspace

WORKSPACES TASKS

Search...

ALL STATUSES

TASK

RESOURCE NAME

USER

STATUS

CREATED

COMPLETED

Create workspace

SoulGlow

sjaber@getnerdio.com

COMPLETE

Feb 18, 2025 09:31 PM

Feb 18, 2025 09:31 PM

Details

Hide

Welcome to Nerdio Manager Copilot!

Type 'help' to see what I can do.

16 minutes ago

What is Nerdio Manager Copilot?

14 minutes ago

What is Nerdio Manager Copilot?

Nerdio Manager Copilot is an AI-based assistant that helps users quickly search for information about Nerdio Manager, its features, and functions. It leverages Azure OpenAI services and caches knowledge base articles to provide answers to user queries 1.

Citations

14 minutes ago

How do I enable Nerdio Manager Copilot?

8 minutes ago

How do I enable Nerdio Manager Copilot?

To enable Nerdio Manager Copilot, follow these steps:  
  
In Nerdio Manager, navigate to Settings > Nerdio environment.  
In the Nerdio Manager Copilot tile, select Deploy.  
Enter the required information, including:  
Resource group: Select from the drop-down list.  
Model name-Regions: Choose regions for each required OpenAI model.  
Other Resources: Optionally enter additional resources. Customize resources tags: Optionally enter custom tags. Once all information is entered, select OK.  
  
The deployment task will take about 30-35 minutes 1.

Citations

7 minutes ago

What resources do I need to register first?

Just now

What resources do I need to register first?

You need to register the following Azure Resource Providers before adding an account in Nerdio Manager:  
  
Microsoft.KeyVault  
Microsoft.Compute  
Microsoft.Automation  
Microsoft.Storage  
Microsoft.Insights  
Microsoft.OperationInsights  
Microsoft.DesktopVirtualization  
Microsoft.Network  
Microsoft.AAD (For Entra ID)  
Microsoft.RecoveryServices (Azure Backup) 1.

Citations

Just now

How do I register an Azure Resource Provider?

What are the costs associated with Nerdio Manager Copilot?


Just now

Type your message



# Nerdio Manager Copilot

How do you manage chat settings?

- Select **Settings** icon 
- Enter following info:
  - **Intent recognition service OpenAI Model:** Select desired model.

- **Max days to retain history:** No. of chat histories days to retain.

## Chat Settings

Intent recognition service OpenAI Model: ?

gpt-4o ▼

Max days to retain history: ?

90

Last Help Center KB Sync: ?

Feb 21, 2025, 00:00


RESET


SAVE

# Nerdio Manager Copilot

Submit feedback

Provide feedback ×

 Positive

 Negative

Detailed message...

Cancel

Submit

- Uses **Azure OpenAI** that's augmented with **Nerdio-specific** info.
- As it's an **LLM**, answers are **not deterministic**.
- If you notice an incorrect answer, can **submit feedback** in the following ways:
  - Select **Like** or **Unlike** icon near the answer.



How do I change a host pool's description?

To change a host pool's description, follow these steps:

- Enter a comment (optional).
- Follow Nerdio's standard support escalation path.



# Nerdio Manager Copilot

How do you disable Nerdio Manager Copilot?

- **Settings > Nerdio environment.**
- **Nerdio Manager Copilot tile > Disable.**

Nerdio Manager Copilot ⓘ

[Disable](#)

[Export feedback](#)

> Deployment

- Takes **6-12 mins.**
- Follow task's progress in **Settings Tasks** section.

## DISABLE NERDIO MANAGER COPILOT

Following resources will be removed

Storage account : [nerdiocopilotsa72a0](#)  
Storage account : [nerdiocopilotfunc72a0](#)  
Storage account : [nerdiocopilotpyfunc72a0](#)  
Event Grid System Topic : [nerdiocopiloteg-72a0](#)  
Event Hubs Namespace : [nerdio-copilot-event-hubs-72a0](#)  
Event Hubs Namespace : [nerdio-copilot-sa-eh-72a0](#)  
Event Grid System Topic : [nerdiocopiloteg](#)  
Service Bus Namespace : [nerdio-copilot-sb-ns-72a0](#)  
Search service : [nerdio-copilot-search-72a0](#)  
Recovery Services vault : [nerdiocopilotrsvault-72a0](#)  
SQL Server : [nerdio-copilot-sql-server-72a0](#)  
SQL Server : [nerdio-copilot-sql-db-72a0](#)  
Log analytics workspace : [nerdiocopilotanalyticsworkspace-72a0](#)  
Log analytics workspace : [CustomLogs](#)  
Open AI : [nerdio-copilot-text-translation-72a0](#)  
Open AI : [nerdio-copilot-form-recognizer-72a0](#)  
Application insights : [nerdio-copilot-bot-72a0](#)  
Application insights : [nerdio-copilot-functions-72a0](#)  
Application insights : [nerdio-copilot-functions-python-indexer-72a0](#)  
Application insights : [nerdio-copilot-searcher-72a0](#)  
App Configuration : [nerdio-copilot-app-config-72a0](#)  
Web application : [nerdio-copilot-python-functions-72a0](#)  
Web application : [nerdio-copilot-functions-72a0](#)  
Web application : [nerdio-copilot-bot-72a0](#)  
Web application : [nerdio-copilot-searcher-72a0](#)  
Bot Service : [nerdio-copilot-bot-72a0](#)  
Open AI : [nc-openai-eastus2-72a0](#)  
Open AI : [nc-openai-eastus-72a0](#)

Cancel

OK



## Nerdio Manager Copilot ⓘ

[Disable](#)

[Export feedback](#)

▼ Deployment

[nerdiocopilotsa777d](#)

[nerdiocopilotfunc777d](#)

[nerdiocopilotpyfunc777d](#)

[nerdiocopiloteg-777d](#)

[nerdio-copilot-event-hubs-777d](#)

[nerdio-copilot-sa-eh-777d](#)

[nerdiocopiloteg](#)

[nerdio-copilot-sb-ns-777d](#)

[nerdio-copilot-search-777d](#)

[nerdiocopilotrsvault-777d](#)

[nerdio-copilot-sql-server-777d](#)

[nerdio-copilot-sql-db-777d](#)

[nerdiocopilotanalyticsworkspace-777d](#)

[CustomLogs](#)

[nerdio-copilot-text-translation-777d](#)

[nerdio-copilot-form-recognizer-777d](#)

[nerdio-copilot-bot-777d](#)

[nerdio-copilot-functions-777d](#)

[nerdio-copilot-functions-python-indexer-777d](#)

[nerdio-copilot-searcher-777d](#)

[nerdio-copilot-app-config-777d](#)

[nerdio-copilot-python-functions-777d](#)

[nerdio-copilot-functions-777d](#)

[nerdio-copilot-bot-777d](#)

[nerdio-copilot-searcher-777d](#)

[nerdio-copilot-bot-777d](#)

[nc-openai-northcentralus-777d](#)

# Nerdio Manager Copilot

## Script Pro



Let's create a script that sets the registry key [HKEY\_LOCAL\_MACHINE\SOFTWARE\MyApp] "NewFeatureEnable"=dword:1 for a Windows VM. We'll use variables to ensure flexibility and reusability. This script is for Windows VMs. Please confirm if this is correct.

3 minutes ago



Yes.

A minute ago



Searching for scripts in Knowledgebase...



Analysis of found scripts...



I didn't find a script in KB. Starting generating a script for Windows VMs...



Validating the script...



Evaluating the script...




Generating final script...



Validating the script...



- **Public preview**
  - **Build scripts** with Copilot.
  - To build a script with Nerdio Manager Copilot:
    - Open **Nerdio Manager Copilot**.
    - Ask a question related to building a script.
- Can you help me generate a management script for a Windows VM to set this regkey?  
[HKEY\_LOCAL\_MACHINE\SOFTWARE\MyApp]"NewFeatureEnable"  
=dword:1
- Follow the prompts and **reply as needed**.
  - When the script is generated, **copy the code**.
- Ensure that all AI-generated scripts are tested and validated manually before deployment to your production environments.



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Home

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WORKSPACES

Search...

NAME

USER FRIENDLY NAME

USAGE (Past 30 days)

ADDITIONAL INFO

MONTHLY SAVINGS & COSTS

Chris-Workspace  
<no description>  
(ChrisAVD / eastus)

<no friendly name>

Highest named users: 1  
Monthly active users: 1  
Highest concurrent users: 1  
Highest CPU cores: 6

Multi user desktop & RemoteApp pools: 1 (2 hosts)  
Single user pooled desktop pools: 0 (0 hosts)  
Single user personal desktop pools: 1 (1 hosts)

Monthly savings: **\$137.14 (72.4%)**  
Named user cost: **\$32.35/month**  
Concurrent user cost: **\$32.35/month**  
Monthly active user cost: **\$32.35/month**

User sessions

DerekDRTest  
<no description>  
(DerekDRTest / eastus)

DerekDRTest

Highest named users: 2  
Monthly active users: 0  
Highest concurrent users: 0  
Highest CPU cores: 1

Multi user desktop & RemoteApp pools: 1 (1 hosts)  
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Insufficient data

User sessions

TAM-Main  
<no description>  
(TAM-AVD / westus2)

TAM-Main

Highest named users: 13  
Monthly active users: 0  
Highest concurrent users: 0  
Highest CPU cores: 11

Multi user desktop & RemoteApp pools: 5 (3 hosts)  
Single user pooled desktop pools: 1 (0 hosts)  
Single user personal desktop pools: 3 (4 hosts)

Monthly savings: **\$25.04 (82.12%)**  
Named user cost: **\$1.36/month**

User sessions

3 (filtered) / 6 (total) items

Add Workspace

WORKSPACES TASKS

Search...

ALL STATUSES

TASK

RESOURCE NAME

USER

STATUS

CREATED

COMPLETED

Create workspace

SoulGlow

sjaber@getnerdio.com

COMPLETE

Feb 18, 2025 09:31 PM

Feb 18, 2025 09:31 PM

Details

Hide

Nerdio Manager Copilot

32 minutes ago

What resources do I need to register first?

5 minutes ago

What resources do I need to register first?

You need to register the following Azure Resource Providers before adding an account in Nerdio Manager:

Microsoft.KeyVault  
Microsoft.Compute  
Microsoft.Automation  
Microsoft.Storage  
Microsoft.Insights  
Microsoft.OperationInsights  
Microsoft.DesktopVirtualization  
Microsoft.Network  
Microsoft.AAD (For Entra ID)  
Microsoft.RecoveryServices (Azure Backup) 1.

Citations

4 minutes ago

How do I register an Azure Resource Provider?

4 minutes ago

How do I register an Azure Resource Provider?

To register an Azure Resource Provider, follow these steps:

In the Azure portal, search for "Subscriptions." Select the subscription you want to work with. Under Settings, select "Resource providers." Select the resource provider you want to register, and then select "Register" 1.

Citations

4 minutes ago

What are the required Azure Resource Providers for Nerdio Manager?

4 minutes ago

What are the required Azure Resource Providers for Nerdio Manager?

The required Azure Resource Providers for Nerdio Manager are:

Microsoft.KeyVault  
Microsoft.Compute  
Microsoft.Automation  
Microsoft.Storage  
Microsoft.Insights  
Microsoft.OperationInsights  
Microsoft.DesktopVirtualization  
Microsoft.Network  
Microsoft.AAD (For Entra ID)  
Microsoft.RecoveryServices (Azure Backup) 1.

Citations

4 minutes ago

How do I register an Azure Resource Provider?

What permissions do I need?

Type your message



# Nerdio Manager Copilot

## How much does Nerdio Manager Copilot cost?

Here are the details on how you can get the exact cost of Copilot:

- **App Service:** The price depends on the App Service plan that Nerdio Manager Copilot is using. The default plan is B2 (Linux). See the following Microsoft [article](#) for more details.
- **Azure OpenAI Service:** This service's cost depends on usage of Copilot and the number of input and output tokens that are being used in each interaction. See the following Microsoft [article](#) for more details.
- **Azure AI Search:** Copilot uses the basic tier for this service that is priced at \$0.11 per hour, which is approximately \$80 per month. See the following Microsoft [article](#) for more details.
- **Azure Event Grid:** The Event Grid Basic tier is priced as pay-per-use based on operations performed. The detailed pricing info is [here](#).
- **Azure Event Hub:** The basic tier pricing starts from \$0.015/hour per Throughput Unit (about \$12/month). The detailed pricing info is [here](#).
- **Azure Service Bus:** The basic tier pricing starts from \$0.05 per million operations. The detailed pricing info is [here](#).
- **Azure SQL:** Standard service tier (S0), Max storage: 250 GB, which is about \$14.7187/month
- **Azure App Configuration:** In Standard tier, this service charges \$1.20 per store per day, plus an overage charge at \$0.06 per 10,000 requests. The monthly charge expects to be no more than \$36. See the following Microsoft [article](#) for more details.
- **Azure Text Translation:** This uses tier S1 - Pay as you go (Standard Translation - \$10 per million characters, Custom Translation - \$40 per million characters). Here is the [pricing page](#).
- **Azure Form Recognizer:** This uses tier S0 - Pay as you go (minimal charge is: 0-1M pages - \$1.50 per 1,000 pages, 1M+ pages - \$0.60 per 1,000 pages). Here is the [pricing page](#).
- **Azure Bot Service:** The free tier is used. Detailed pricing info is [here](#).
- **Azure Functions:** The Azure Functions consumption plan is billed based on per-second resource consumption and executions. The detailed pricing page with calculation examples is [here](#).
- **Azure Storage:** Some of the components use Azure Storage. The cost of storage varies depending on the region and access tier selected, as well as the type of storage being used. Copilot uses Azure General Purpose v2 Storage Account, locally redundant storage (LRS). Here is the [pricing page](#).

**Estimated cost** with up to **5 users** asking **5 questions per day**, is about **\$35 per month**.

Copilot has the following paid components:

- Azure App Service
- Azure Event Grid
- Azure Event Hub
- Azure Service Bus
- Azure Search Service
- Azure SQL Server
- Azure Text Translation
- Azure Form Recognizer
- Azure OpenAI Services
- Azure Bot Service
- Azure Application Insights
- Azure Functions
- Azure App Configuration
- Azure Storage



# Nerdio Manager Copilot

## Considerations

- LLMs work with **tokens**.
- Tokens combo of:
  - **system prompt**
  - **input from user**
  - **output from LLM**
- For **long** conversations (larger than max token count for model) **older data dropped**.
- **Chat history kept in UI until Reset.**

## Chat Settings

Intent recognition service OpenAI Model: ?

gpt-4o

Max days to retain history: ?

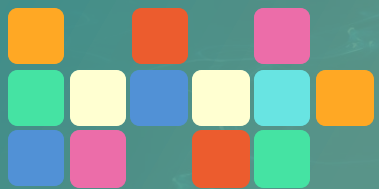
90

Last Help Center KB Sync: ?

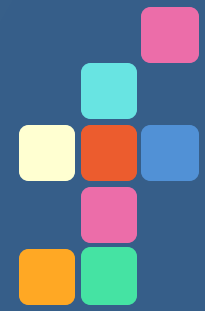
Feb 21, 2025, 00:00

RESET

SAVE



# The future of AI





# The future of AI

## Agentic AI

### Introducing Operator

A research preview of an agent that can use its own browser to perform tasks for you. Available to Pro users in the U.S.

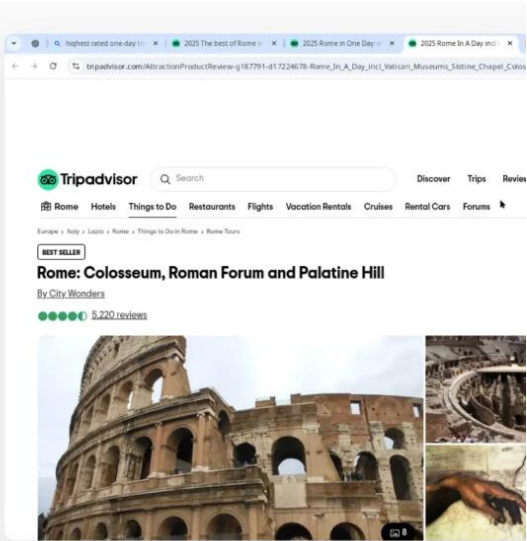
Go to Operator ↗

Find and book me the highest rated one-day tour of Rome on TripAdvisor.

I'll search for the highest-rated tour of historic Rome on TripAdvisor. Once I find a suitable option, I'll provide you with the details. Let's begin.

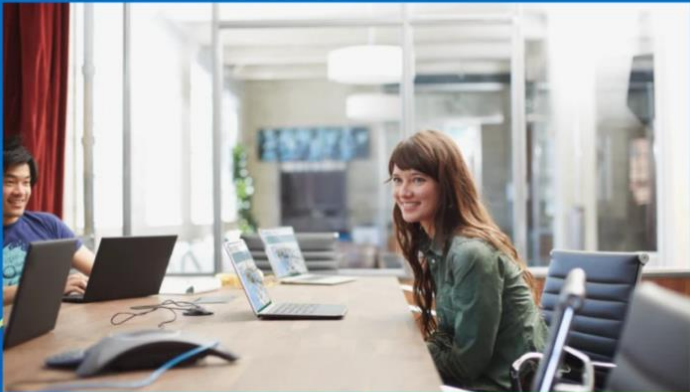
Worked for 2 minutes ⌵

- Navigating to TripAdvisor website
- Selecting "Things to Do" category
- Searching for historic Rome tours
- Closing pop-up, continuing tour search
- Searching for Historic Rome tours
- Exploring all historic Rome tour options
- Closing Colosseum tab, resuming tour search
- Closing tour pop-up, tab afterward
- Exploring options for top-rated tours
- Sorting results by tour ratings
- Exploring filters for top-rated tours
- Scrolling for sorting options, finding tours



### Announcing the Responses API and Computer-Using Agent in Azure AI Foundry

By [Steve Sweetman](#), Azure OpenAI Service Product Lead

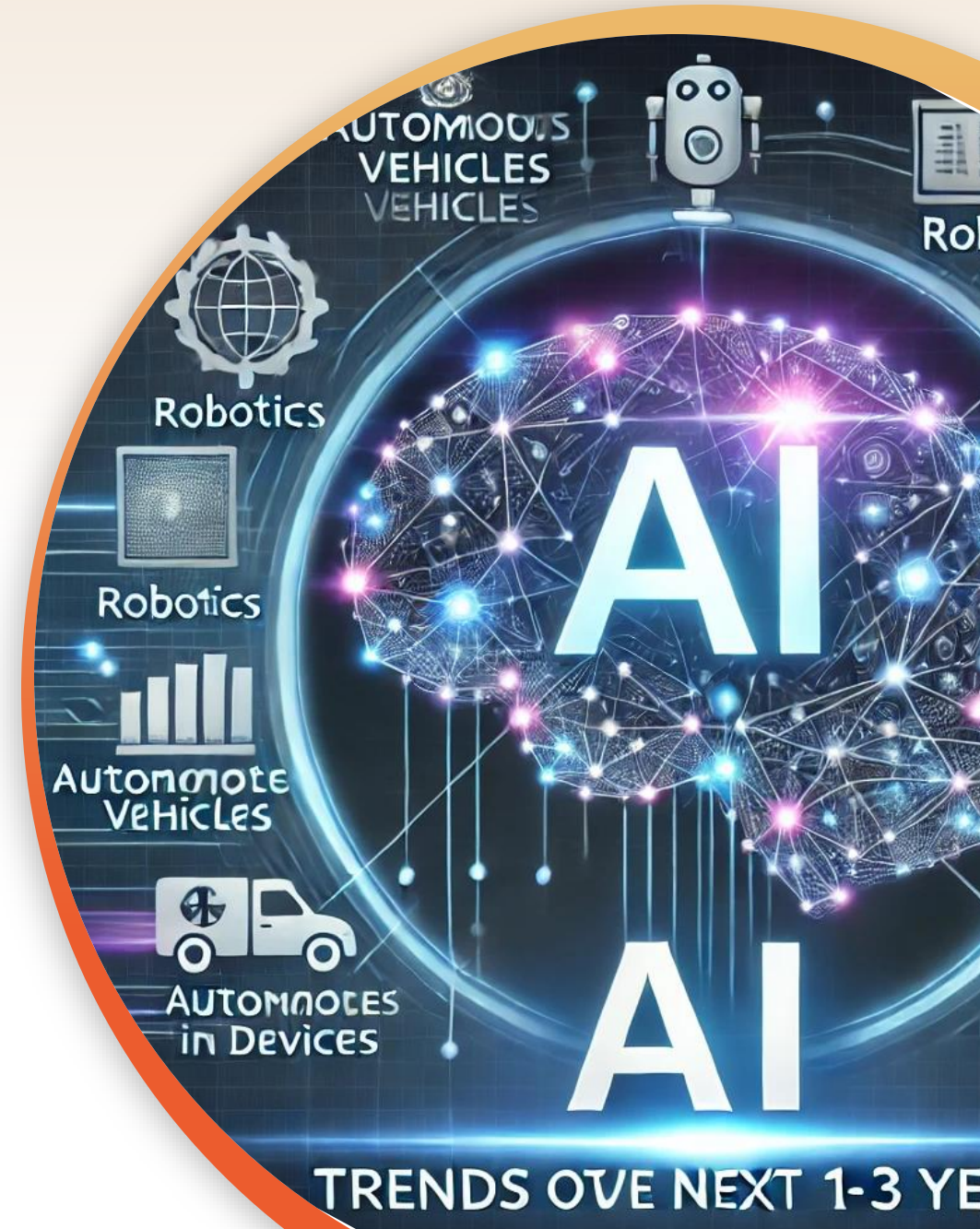


# The future of AI

What to expect over 1-3 years

Over the next 1 to 3 years, we can expect the following trends in AI:

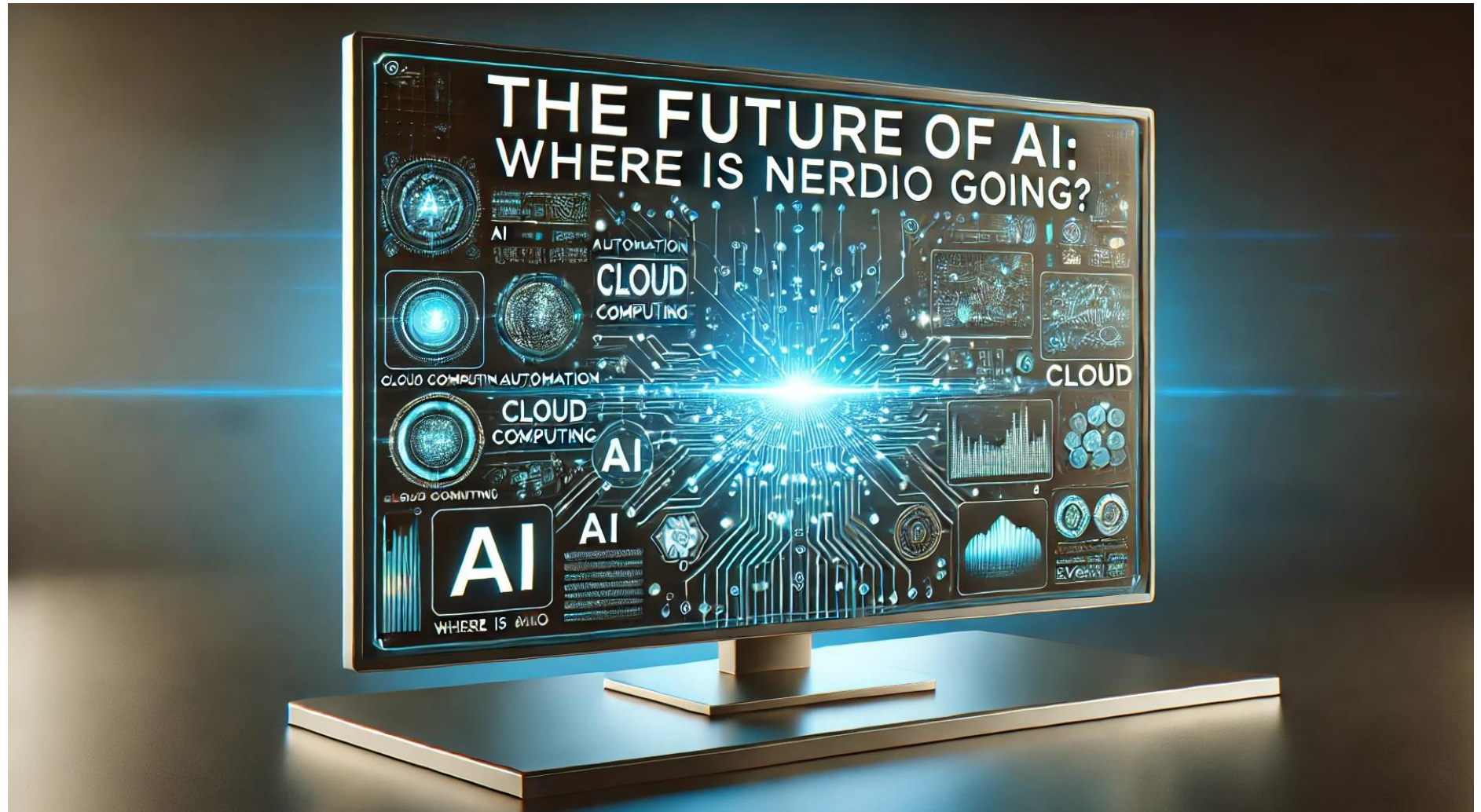
- Continued integration of AI in everyday applications and devices
- Development of more efficient and smaller AI models
- Expansion of AI capabilities in autonomous vehicles and robotics
- Increased focus on ethical AI and addressing biases in AI systems
- Growth of AI-driven innovations in education and training
- Human factor
- Potentially rising costs





# The future of AI

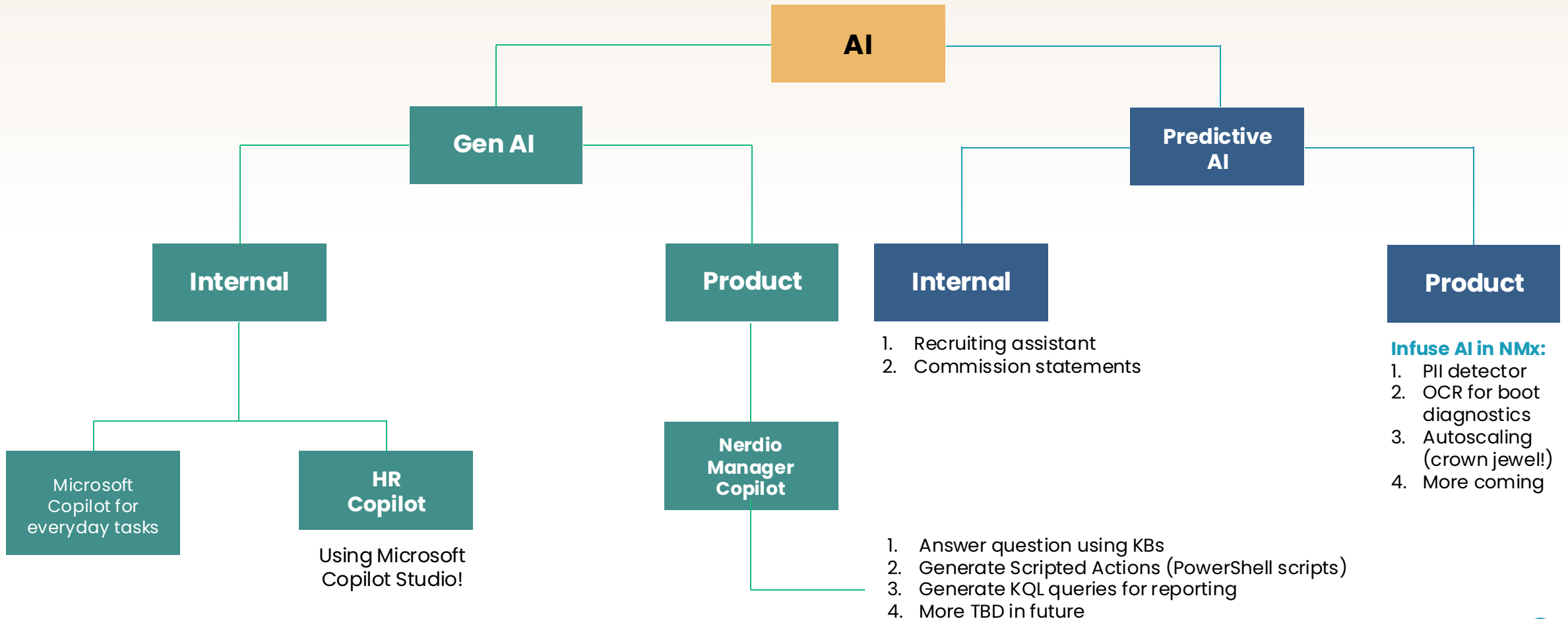
Where is Nerdio going?



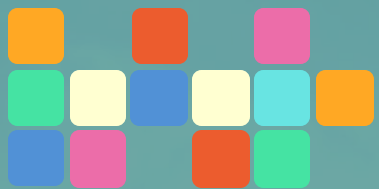


# Infusing AI in Nerdio

Delivering AI-based innovative solutions







★ *NerdioCon* ★  
2025  
PALM SPRINGS

# Questions?

