

Hyper-V is it any  
good i thought  
Hyper-V was dead



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- Azure Hybrid MVP
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[Jan-Tore Pedersen](#)  
LinkedIn



<https://jtpedersen.com>

# Prize



- I will ask one question at the end
- The prize will be a Technical Book from Packt

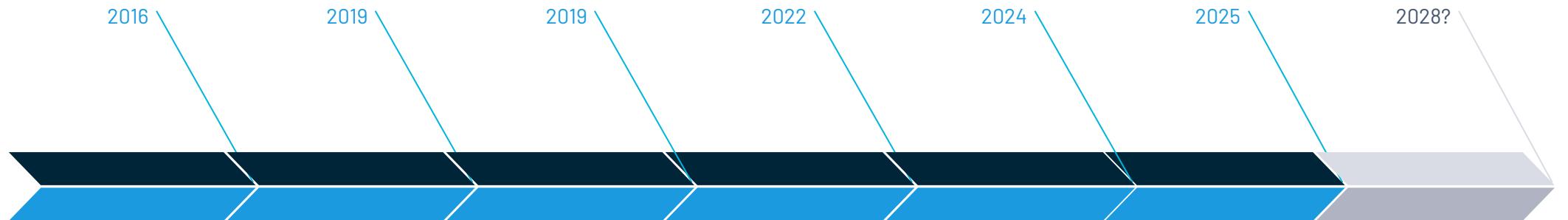
Feel free to ask questions  
during the session



# The history of Hyper-V



	2003	2008	2009	2012	2013
<b>Microsoft buys Connectic</b>					
<b>Windows Server 2008</b>					
Virtual PC and Virtual Server software	Hyper-V was born and introduced into 2008	Live Migration and more advanced Features	Hyper-V in Azure. Shared OS with Win8. Hyper-V Introduced in Win8. Software Defined Storage	Fix of all issues in 2012 and better features. RDMA introduced in Azure	
<b>Windows Server 2008 R2</b>					
<b>Windows Server 2012</b>					
<b>Windows Server 2012 R2</b>					



<b>Windows Server 2016</b>	<b>Windows Server 2019</b>	<b>Azure Stack HCI</b>	<b>Windows Server 2022</b>	<b>Azure Local</b>	<b>Windows Server 2025</b>	<b>vNext</b>
S2D , Software Defined, Stretch Cluster	ReFS Dedup Introduced. Kubernetes Support	Hybrid Cloud OS	vTPM, SR- IOV, Isolated Containers 48TB Ram in VM	Azure Stack HCI Rebranded	GPU-P, S2D Stretch and Rack Aware Cluster, Dynamic Processor	Future release of Hyper-V



## Azure Sta

- Exciting roadmap of new HCI

Innovation focused on best virtualization

Future of Hyper-V via software-defined storage

Run apps inside Windows or Linux

Runs on your hardware



Terry

Storey

## Azure Local update from the trenches

ARCHITECTURE / FINOPS / AI

Azure Local has become mainstream with many announcements at MS Ignite 2025, let's unpack these and discuss the finite details, best practices and learnings for each from the trenches after completing hundreds of designs and deployments in the field.

I will touch on the following subjects and more if we have time to ensure we cover all of your questions:

Best Practise for Reliability at scale with Performance

Azure Arc Mobility

SAN

Rac Aware

Disconnected

Azure Migrate

ADless

M365

Admin Tooling

Azure Local Rack Scale

## ows Server

oadmap of new releases

ocused on being the  
nd traditional server

indows Server roles,  
ices, DNS, DHCP, AD/DS

dows apps like SQL Server

s anywhere

# Is Hyper-V Dead?



# How Secure is Hyper-V, Really?

Opinion

Sep 3, 2008 • 3 mins

Virtualization

Given all the talk about Hyper-V, I have some security questions, but so far, not many good answers.

Hyper-V's current security is dependent upon the security of Windows 2008 Server. Sounds like a hosted solution to me, even though Hyper-V is a type 1 hypervisor—which is designed to run on bare metal and therefore be completely independent of the operating system itself.

So why does Hyper-V depend on Windows 2008 Server security? What zero-day attacks will cause heartache for all adopters? Can they be prevented?

And which boots first? If it is Hyper-V, then 2008 should run within a VM, but does it? If Windows 2008 Server crashes or is forced to crash by something malicious, will all the VMs running upon it also come tumbling down?

Windows Support Forums > Virtualization and WSL >

### True or False - HYPER-V to be discontinued in 2029 ?

1 2 Next ▶

Well-known member  
Local time: 7:17 AM Posts: 5,509 Location: OS: Windows 10 Pro

Sep 6, 2024 #1

Hi folks  
I saw this on the TestGorilla site :

START OF QUOTE :

**What is Hyper V?**

Hyper V is a virtualization machine developed by Microsoft. It's a type 1 hypervisor, meaning that it runs directly on the physical hardware, and that's why it takes the place of the host OS. In contrast to Hyper V, VirtualBox and VMware's Workstation both operate on a type 2 hypervisor, as a computer program – they're not able to host hardware and resources as they need to go through operating systems.

Even though the virtualization platform was popular for Windows users, Microsoft is discontinuing Hyper V as of 2029. There still hasn't been an announcement about any replacement for the program.

END OF QUOTE:

Is this true or just vapourware -- if true it seems not a lot of point in allocating time and resources for using a product destined to be discontinued in a few years time.  
I know many big companies are moving over (or have already moved over) to containerisation and Kubernetes instead of running full blown VM's -- but there's still a huge market for VM's for individuals and smaller commercial users.

2029 might still seem a bit of a way off but this probably means (if true) that Ms is already

J 0 L





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## Is Microsoft Hyper-V Dead?

November 20, 2023 by Brandon Lee



Microsoft Hyper-V is Microsoft's answer to the world of virtualization. In my opinion, Hyper-V has always been behind the curve that VMware has set in terms of features and capabilities. VMware has an edge in most areas. Hyper-V is a viable option for those heavily invested in the Microsoft ecosystem and who want to take advantage of virtualization as part of Windows Server and provide VMs to users. However, while Microsoft has announced a few new features here and there, Hyper-V seems to be a stagnant product, leading many to wonder, is Hyper-V dead? In this article, we will look at current Hyper-V options and the future for customers.

### Table of contents

- [Free Hyper-V is definitely dead](#)
- [Microsoft's hypervisor for the enterprise – what is it?](#)
  - [Windows Server 2022 with Hyper-V Role](#)
  - [Azure Stack HCI and Hyper-V](#)
  - [Windows Server 2022 with Hyper-V via Azure Stack HCI](#)

Microsoft has discontinued the standalone, free product known as "Hyper-V Server" (specifically the 2019 version was the last). It is no longer being developed as a free, dedicated product. However, Hyper-V technology itself is **not** discontinued; it remains a core, actively developed feature in [Windows Server 2022 and 2025](#), [Azure](#), and [Windows 11](#). 

### Key Details Regarding Hyper-V Discontinuation:

- **What is Gone:** The standalone [Hyper-V Server 2019 free edition](#).
- **What Remains:** Hyper-V as a server role in Windows Server 2022/2025, Windows 11 Pro/Enterprise, and Azure.
- **Support Timeline:** [Hyper-V Server 2019 support continues until January 9, 2029](#).
- **Replacement Strategy:** Microsoft is pushing users toward [Azure Stack HCI](#) or using the full [Windows Server Datacenter/Standard editions](#). 

The move primarily impacts organizations using the free hypervisor, forcing a shift to licensed Windows Server for on-premises virtualization. 

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Ask a question

## With Hyper-V Discontinued - Is Microsoft VDI on Premise Dead?

Pat Diaz • Follow 1 Jan 28, 2022, 7:53 PM

With the advent of Microsoft discontinuing Hyper-V for the on premise market, does this automatically kill VDI and all other hypervisor dependent services? We would be reluctant to use a product with a known EOL. Just in case we misread the market communication on this from Microsoft, we wanted to reach out to others to confirm the status of Hyper-V and more importantly - its implications.

Looking forward to your responses.  
Cheers  
Pat

Windows for business | Windows Client for IT Pros | Storage high availability | Virtualization and Hyper-V

Windows for business | Windows Server | User experience | Other

0 comments Report a concern I have the same question 0 Add comment

3 answers Sort by: Most helpful ▾

Jeff Woolsey • Follow 20 • Microsoft Employee Oct 31, 2023, 7:14 PM

Thanks for the question. Let me answer this question fully and clearly.

There are NO plans to deprecate Hyper-V Technology. Period. None. Zero. Nunca. Zilch. In fact, quite the opposite. Hyper-V is a strategic asset. Microsoft literally uses Hyper-V EVERYWHERE.

The only thing that was discontinued was the FREE Microsoft Hyper-V Server product because we simply don't have the time and resources to keep producing the free version. That's it. That's the only thing that was deprecated. Hyper-V as used in Azure, Azure Stack, Windows Server, Windows, Xbox, etc. is *under serious development*. In fact, Windows Server vNext will introduce a whole host of new Hyper-V innovation some which is unavailable on any other hypervisor in the industry. (No. I can't be more specific at this time. See you at Ignite!)

Question activity

Follow question

### Additional resources

Training

Learning path [Windows Server Hyper-V and Virtualization - Training](#)  
[Windows Server Hyper-V and Virtualization](#)

Certification [Microsoft Certified: Azure Virtual Desktop Specialty - Certifications](#)  
Plan, deliver, manage, and monitor virtual desktop experiences and remote apps on Microsoft Azure for any device.

Documentation

[App-V in Windows support policy - Microsoft Desktop Optimization Pack](#)  
This article describes the support policy for Microsoft Application Virtualization (App-V) client for Windows 10/11.

[Appendix B: Hyper-V Architecture and Feature Overview - BizTalk Server](#)  
Provides an overview of the Hyper-V architecture, and describes the advantages and disadvantages of Hyper-V.

[Microsoft 365 Apps migration from Windows Server - Microsoft 365 Apps](#)  
Provides guidance to Office admins on moving from Microsoft 365 Apps on Windows Server to either Windows 365 or Azure Virtual Desktop.

Show 2 more

# No, Hyper-V Is Not Dead

Eric Siron | January 26, 2024

(Somewhat) jokingly, I have long said that a certain company famous for virtualization has set a goal of bankrupting all its customers as its victory condition. That company was recently purchased (again), and the new owners promptly set about trying to prove me correct with massive price increases. As part of their campaign to do anything except set reasonable pricing, they have begun telling customers that Hyper-V is dead. At best, they're wrong. At worst, they're lying. Hyper-V is not dead. Hyper-V is not dying. Hyper-V is an integral part of Microsoft's product lineup.

[citationic]

## The Proof of Hyper-V's Importance

Update: Jeff Woolsey, Principal PM at Microsoft, released a [statement on the bright future of Hyper-V](#).

At Microsoft's annual Ignite conference in November of 2023, Jeff Woolsey and Elden Christensen led a [session on Windows Server \(vNext\)](#). Presumably, this will appear as Windows Server 2025, but it has yet to receive an official name. The deck for the presentation has more slides for upcoming Hyper-V enhancements than any other category. Some highlights:

- Enhanced GPU support with GPU-P that addresses long-standing problems
- Dynamic processor capabilities for migration in mixed-CPU clusters
- Hot-add and hot-remove of virtual NICs

As more concrete proof, consider Hyper-V's increasing pervasiveness. It fuels Azure. Security components, even on desktop Windows, rely on Hyper-V technology (for example, [Microsoft Defender Application Guard](#)). WSL version 2, Windows Sandbox, and Hyper-V containers all depend on some or all of Hyper-V. With modern Windows, you would have a difficult time avoiding Hyper-V.

## The FUD Around Hyper-V

Most of the FUD around Hyper-V consists of the same nonsense that has circulated since its introduction. Basic research can debunk all that. I will leave it to a future article to address them comprehensively. In this one, I want to look at the more recent and immediate misinformation.

## The End of Hyper-V Server

Microsoft has a problem with naming things and should seek therapy. "Hyper-V Server" refers not to the Hyper-V technology or its place in the server world. It means a specific SKU that ran a highly trimmed version of Windows Server that did not have an activation mechanism. Yes, that SKU met its end in the 2019



- o Renamed to WindowsServerDocs/virtualization/hyper-v/overview.md(Browse History)
- o Commits on May 27, 2025

edit pass

meaghanlewis committed on May 27, 2025

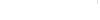
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fix broken link

meaghanlewis committed on May 27, 2025

ca48fba



- o Commits on Sep 5, 2025

### Replace video link in Hyper-V overview

dknappetmsft authored on Sep 5, 2025

Verified

4643a75



- o Commits on Jul 28, 2025

### Hyper-V overview rewrite

dknappetmsft committed on Jul 28, 2025

0641585



- o Commits on Jul 25, 2025

### Hyper-V landing pages and TOC reorganization

dknappetmsft committed on Jul 25, 2025

42b61ad



- o Renamed from WindowsServerDocs/virtualization/hyper-v/hyper-v-overview.md(Browse History)

### Replace the non-skilling ms.authors

Saisang committed on Oct 17, 2024

82d40d9



- o Commits on Aug 13, 2024

### fix warnings

meaghanlewis committed on Aug 13, 2024

67e5fb2



- o Renamed from WindowsServerDocs/virtualization/hyper-v/Hyper-V-Technology-Overview.md(Browse History)

Is it dead, i would say absolutely no

# Where can we find Hyper-V?

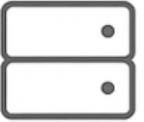


# Where Can We Find Hyper-V?



## Windows 11

Local virtualization,  
Sandbox, Application Guard



## Windows Server

Enterprise-grade virtualization  
for workloads.



## Azure Local

Hybrid on-prem virtualization  
managed from Azure



## Azure

Azure cloud runs on Hyper-V  
at its core.



## Xbox

Virtualization powers isolation  
and security features



## Other Platforms

WSL, Docker on Windows,  
Sandbox, and more.

# Hyper-V Features over the years



So where is it beeining  
used



# So where is it used?

IT & Services / Cloud / Managed Services	<b>25%</b>
Software / ISVs / Development	<b>12%</b>
Finance / Banking / Insurance (BFSI)	<b>14%</b>
Manufacturing / Industrial / Energy	<b>13%</b>
Education / Research / Public Sector	<b>10%</b>
Healthcare / Life Sciences	<b>10%</b>
Retail / Hospitality / Consumer Services	<b>8%</b>
Other (Non-Profits, Government, Misc)	<b>8%</b>

# Who uses it?



## IT & Services / Cloud / Managed Services

CDW(US)  
Rack Space Technology(US)  
Capgemini(France)

## Software / ISVs / Development

Balbit(ISV behind Shell Control Box)

## Finance / Banking / Insurance (BFSI)

First National Bank(US)  
Investor First(Ireland / UK / US)

## Manufacturing / Industrial / Energy

Lockheed Martin(USA)  
Miele(Germany)

## Education / Research / Public Sector (education)

Goethe University Frankfurt

## Healthcare / Life Sciences

UConn Health(US)  
Baptist Health(US)

## Retail / Hospitality / Consumer Services

SSP Group(UK)  
Target(US)  
Marriott(US)

## Other (Non-Profits / Government / Misc)

Snohomish County, Washington(Local Government)  
The Woodland Trust(UK)

# IT Services



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4/01/2025

## CDW adds hybrid cloud flexibility and saves time while cutting costs with Azure Local

Share the story ↗



# OT Environments



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All Microsoft Search

February 28, 2023

## Picanol Group finds flexibility and faster time to market with Azure Stack

Share the story



# Disconnected



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All Microsoft Search

July 18, 2023

## Carnival Corporation sets sail to the edge and achieves enhanced agility with Azure Arc–enabled infrastructure

Share the story



# HealthCare

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12/3/2024

## Baptist Health saves 4,400 hours annually with Azure Virtual Desktop

[Share the story](#)



# Retail

Microsoft | Customer Stories All stories Stories by product Contact Sales

All Microsoft Search

February 27, 2023

## SSP unifies its hybrid infrastructure with Azure Stack HCI and saves more than 100,000 kilowatt hours

Share the story



# Do you think you can you use it?

Are you convinced to give it a try?

# What is the 5 major products running Hyper-V



- Windows 11
- Windows Server
- Azure Local
- Azure
- Xbox

2Pint



robopack

wortell

INGRAM<sup>MICRO</sup>®



The Collective



VirtualMetric



**Session feedback  
available in home feed  
of the app after the  
session**





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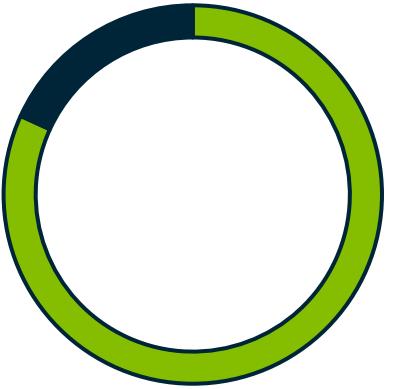
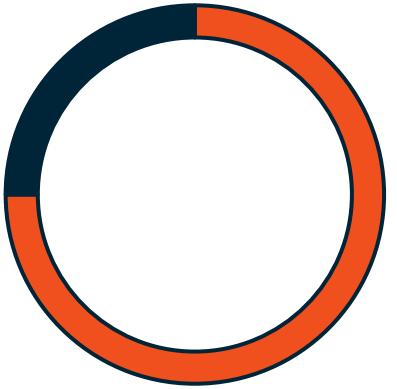
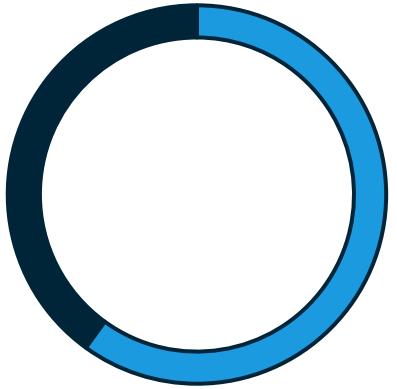
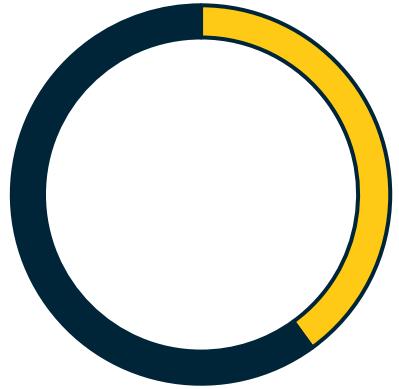
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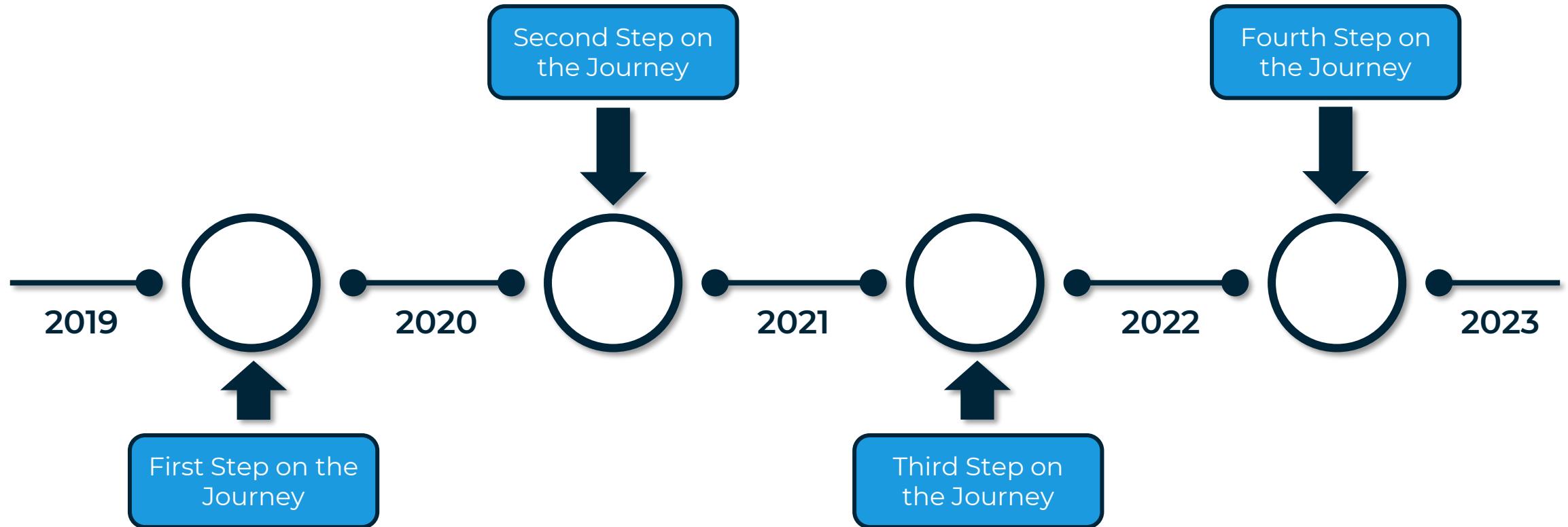


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