

# Modernisierung auf dem Weg in die Zukunft



**Joachim von Thadden**

Principal Specialist Solution Architect  
OpenShift, Red Hat

We think Containers  
are the **Future!**

We think Containers  
are the **Future!**

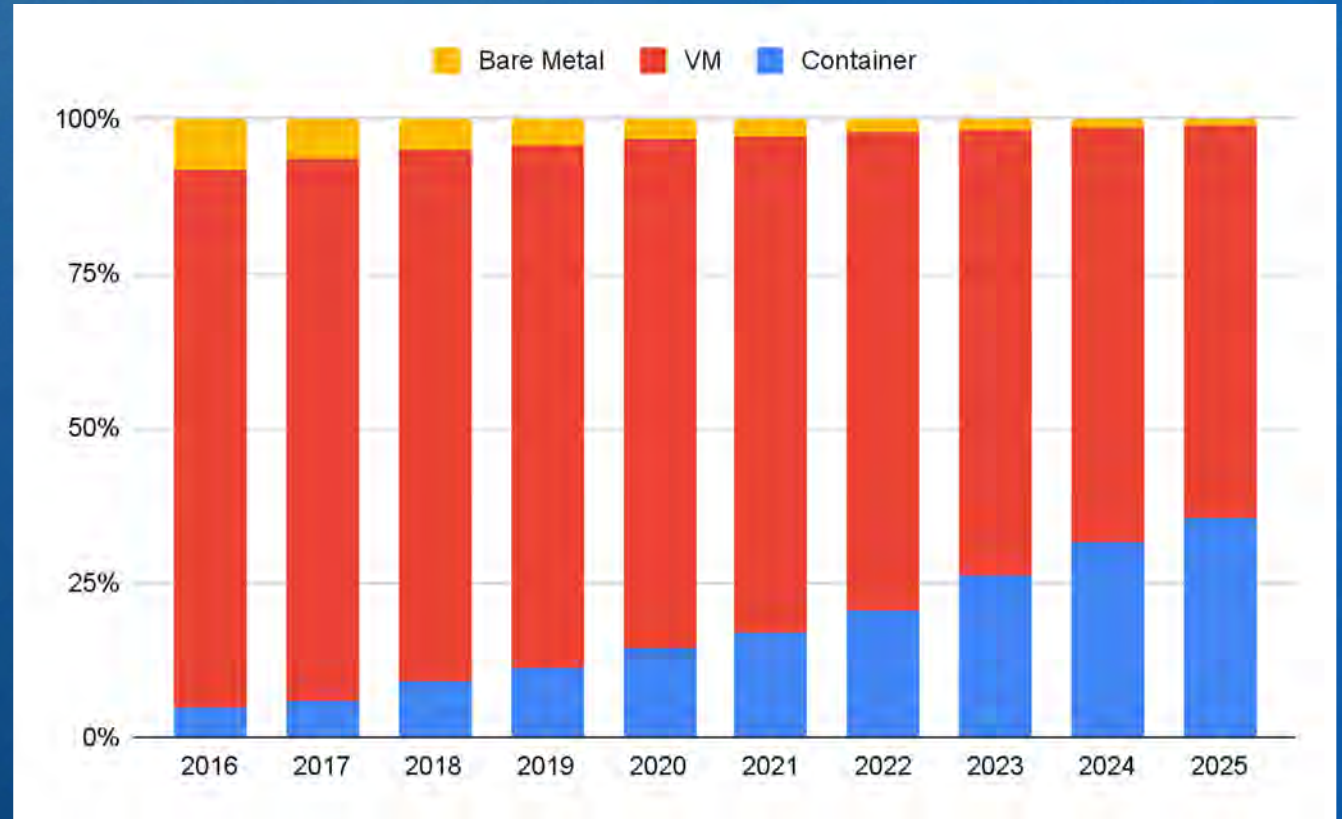
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So why is Red Hat - **again** -  
talking about Virtualization?

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# Virtualization is here to stay

But not as we know it today



The disruption

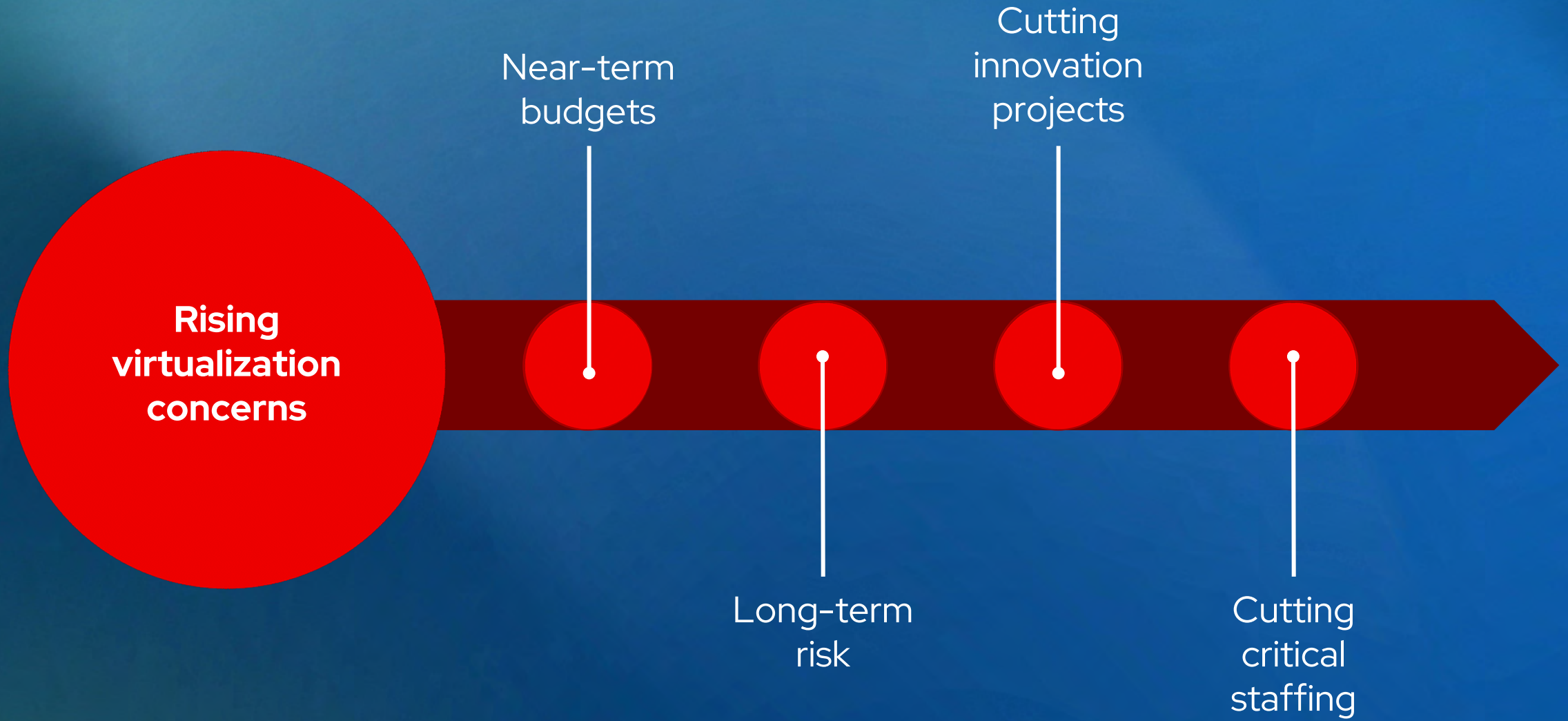
3X

5X

7X

10X

Rising  
virtualization  
costs



Combining the requirements of the future



Combining the requirements of the future

**Future IT  
Containers**





Combining the requirements of the future

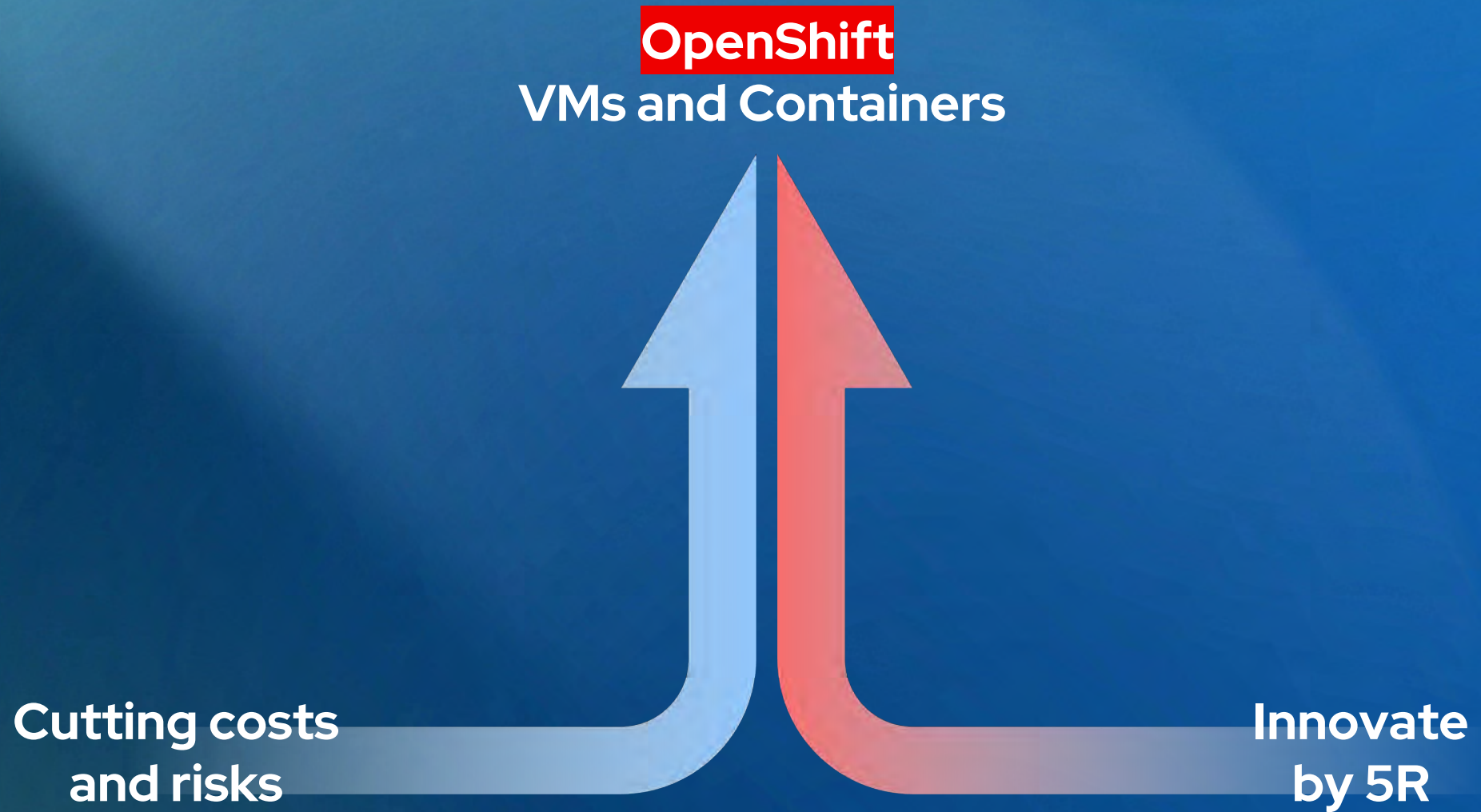
Future IT  
VMs **and** Containers

Cutting costs  
and risks

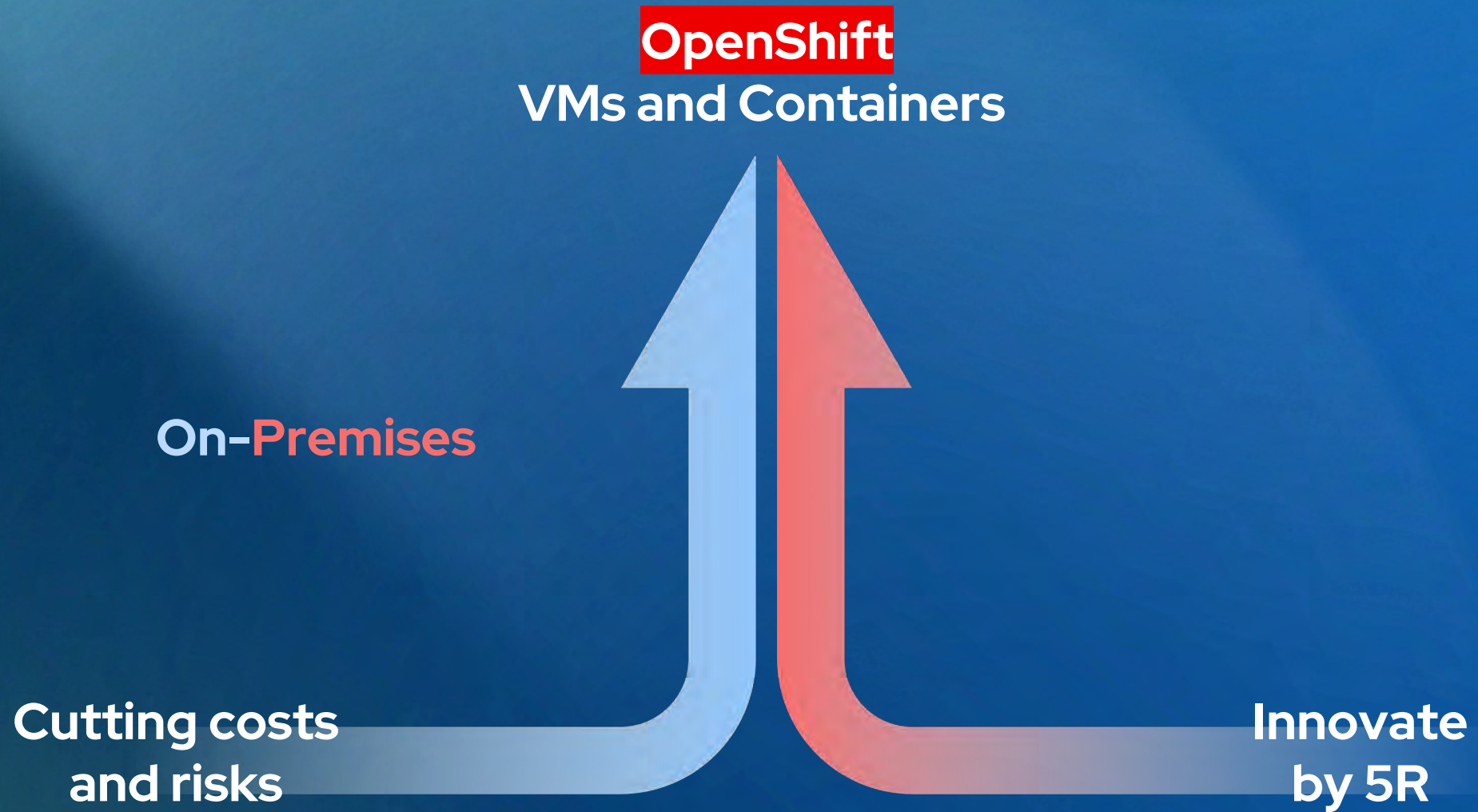
Innovate  
by 5R



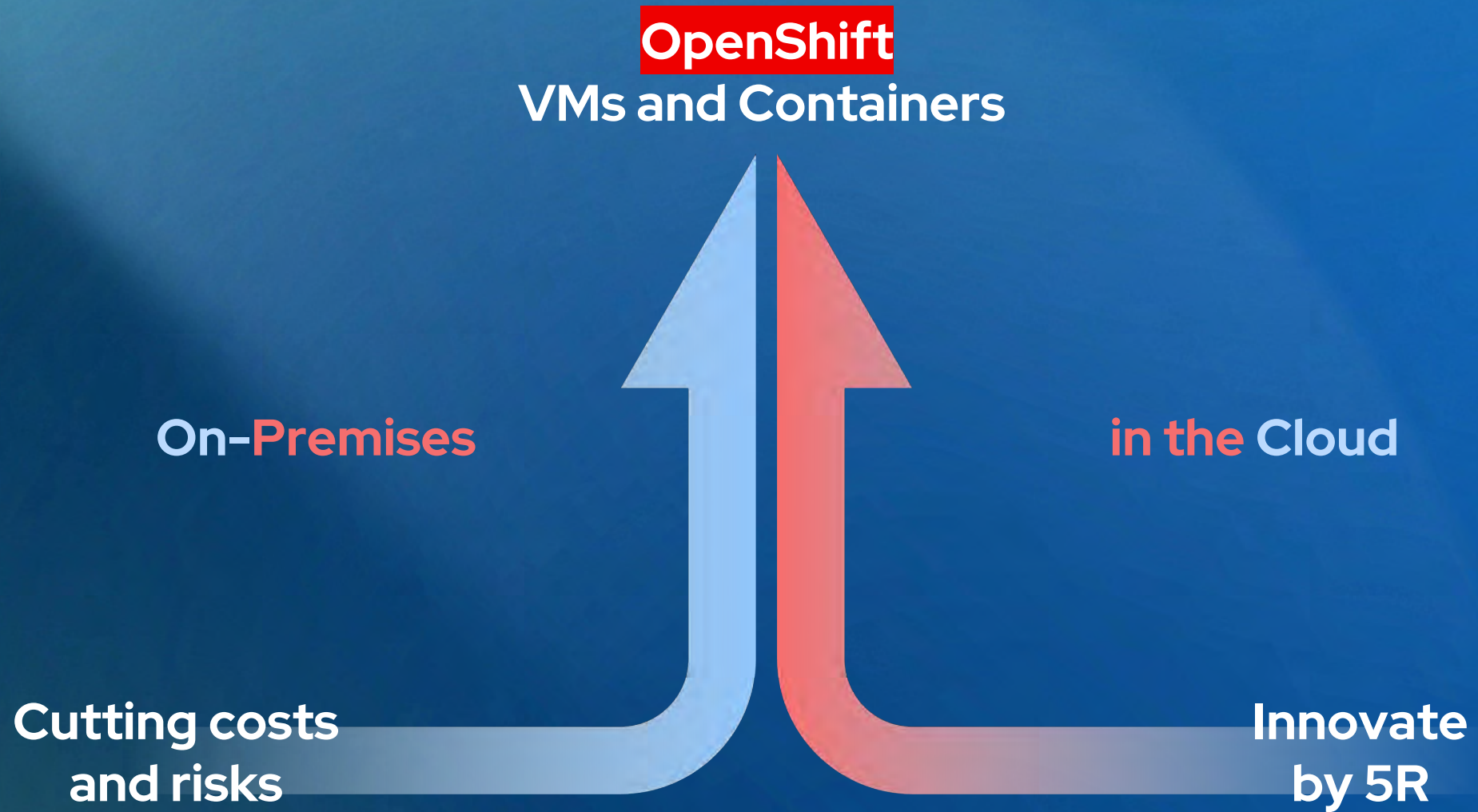
Combining the requirements of the future



Combining the requirements of the future



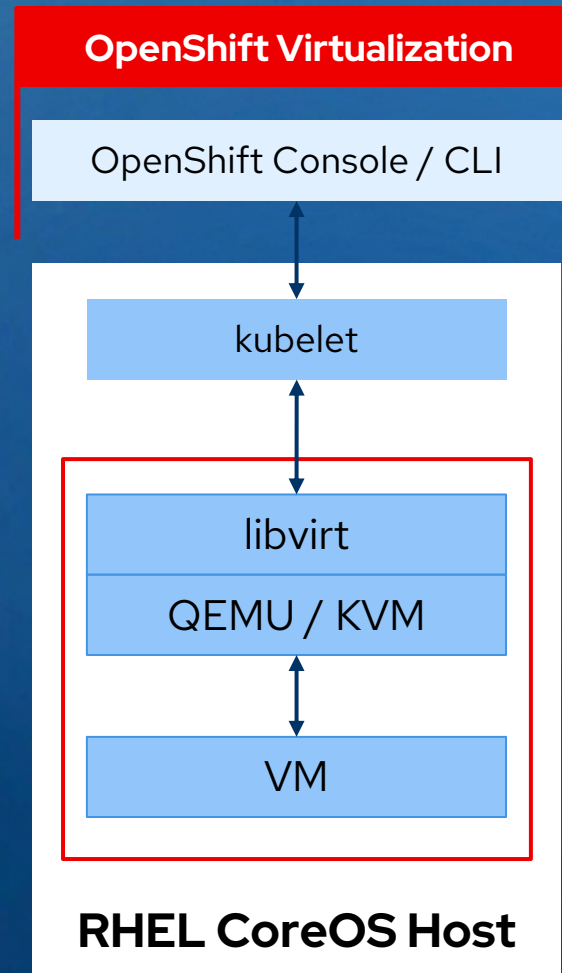
Combining the requirements of the future



KVM is our VMs-DNA

# KVM is everywhere (since 2007)

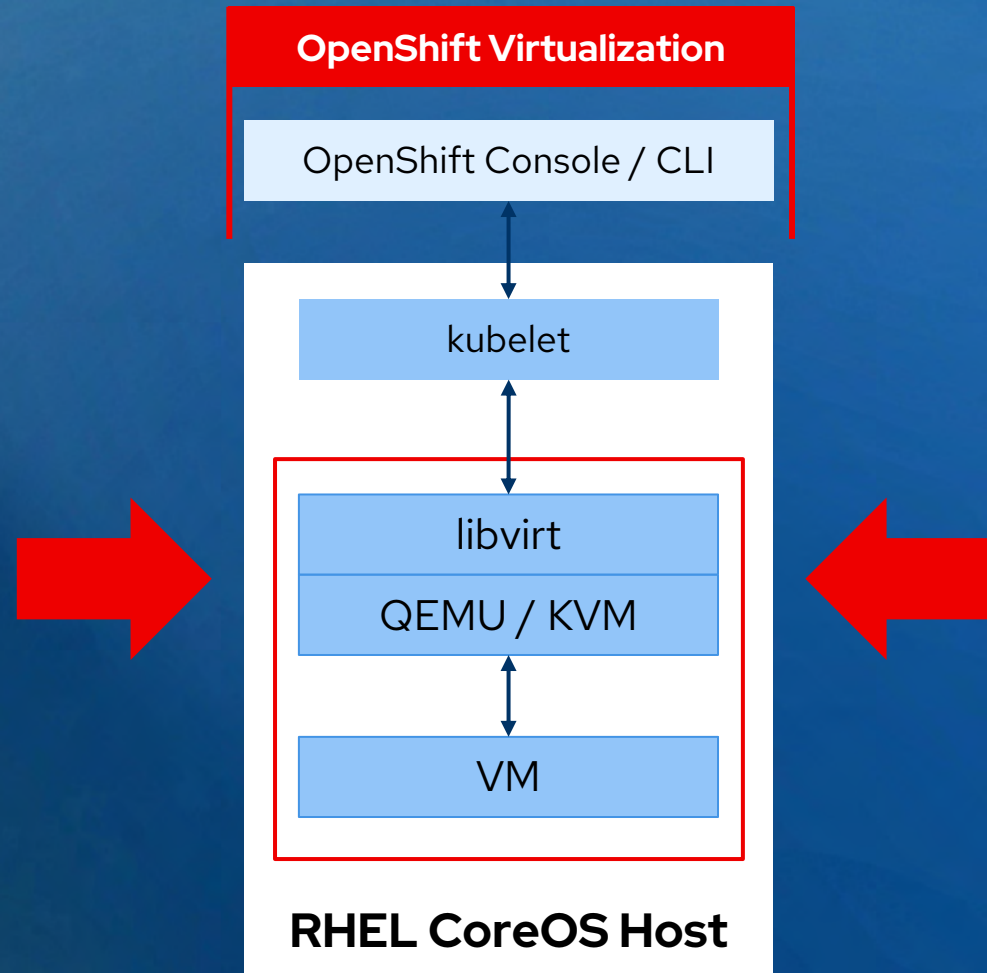
Trusted, mature KVM wrapped in modern management and automation



KVM is our VMs-DNA

# KVM is everywhere (since 2007)

Trusted, mature KVM wrapped in modern management and automation

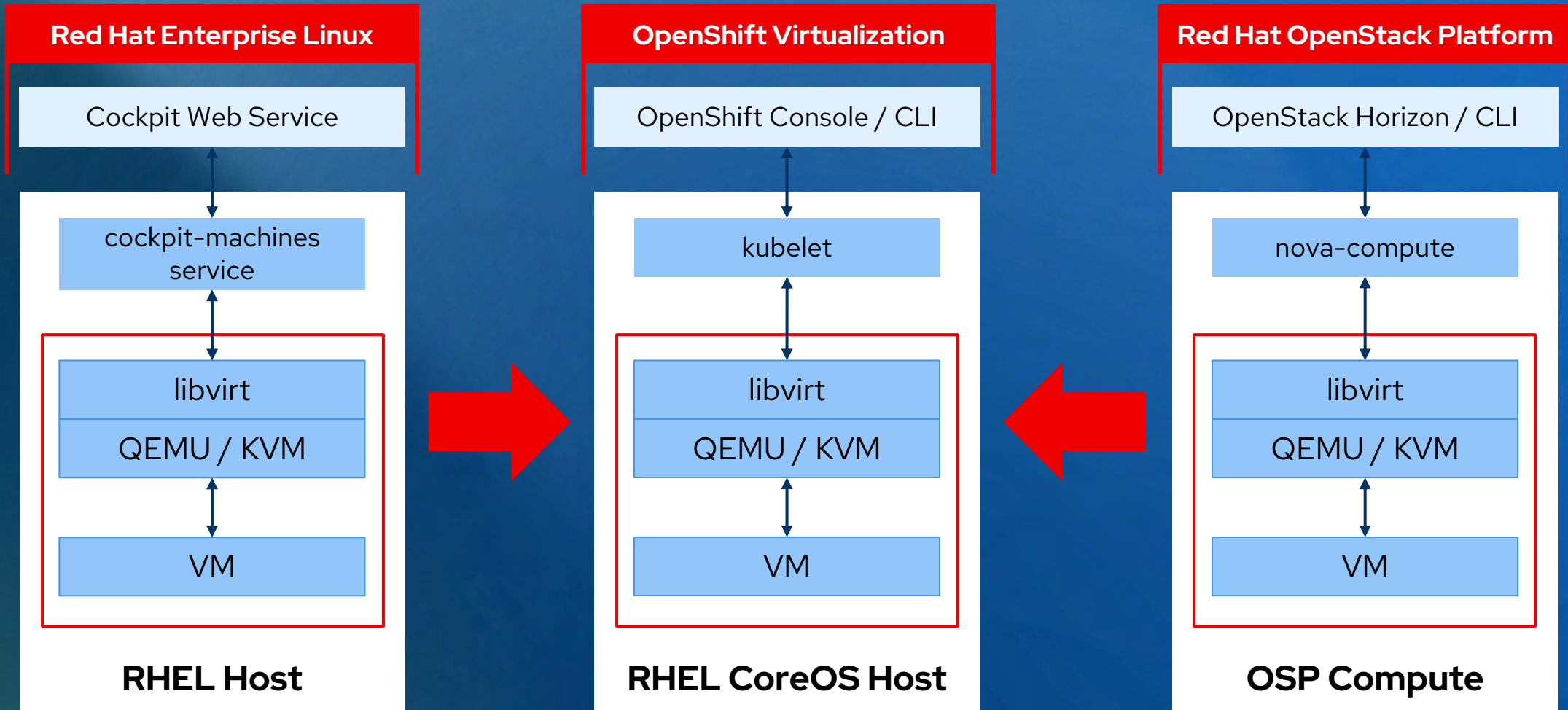




KVM is our VMs-DNA

# KVM is everywhere (since 2007)

Trusted, mature KVM wrapped in modern management and automation





# Red Hat OpenShift Virtualization

Unified platform for virtual machines **and** containers

Open Hybrid Cloud

# Red Hat OpenShift Virtualization

Unified  
management

Consistent  
operations

Performance  
& stability

Robust  
open source  
community

Diverse  
partner  
ecosystem

Unified platform for virtual machines **and** containers

Open Hybrid Cloud

# Red Hat OpenShift Virtualization

RHEL VMs included

Windows VMs support

Migration tools

Unified  
management

Consistent  
operations

Performance  
& stability

Robust  
open source  
community

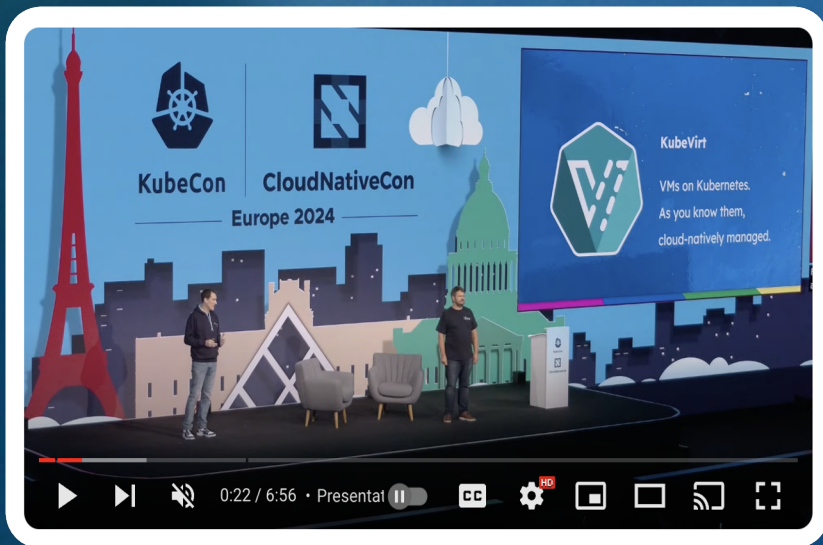
Diverse  
partner  
ecosystem

Unified platform for virtual machines **and** containers

Open Hybrid Cloud



## Global Investment Bank



*"...it allowed folks who spent the **last decade or so on existing technologies** to get up to speed with a newer subset of technologies to really help drive to **create a single solution** where we deploy one set of capacity and then burn down that capacity whether it becomes a VM or it becomes a container... a **big thanks to Red Hat team that's stuck with the project**, worked with us day in day out, and really helped enable a solution to help **modernize our underlying compute platform.**"*

*–VP Tech Fellow, Global Investment Bank*



SiriusXM



*“**Migration was the easiest part.** Once you have MTV [Migration Toolkit for Virtualization] speaking to an API, [the tool] it brings [the VMs] them in quickly with little to no down time. It’s the right tool for the job. Once we have the network setup, and everything placed where it needs to be, **the VM goes exactly where you need it to go and starts working immediately.** As far as migration goes, it’s a great tool.”*

- *Nate Mason, Associate Director, Unix Systems Group SiriusXM*

[Source: [Red Hat Summit keynote](#) [starting at 22:57]]