

# Modernize IT Infrastructure for Modern Applications with Nutanix, HPE, and Intel

Organizations need to modernize infrastructure in order to accelerate operations.

Hyperconverged infrastructure (HCI) technology is a great way to modernize infrastructure.

Nutanix with HPE GreenLake and Intel extends the benefits of HCI technology, including improved IT automation and integration, improved scalability, improved productivity of IT staff, and improved hybrid cloud management.

This Enterprise Strategy Group Infographic was commissioned by Nutanix and is distributed under license from TechTarget, Inc.

## On-premises Modernization Accelerates Digital Initiatives

Research from TechTarget's Enterprise Strategy Group identifies the critical need for businesses to prioritize on-premises modernization.

HCI technology can play a key role in both on-premises modernizations as well as simplifying hybrid and multi-cloud operations.

### Operational Benefits of HCI Adoption



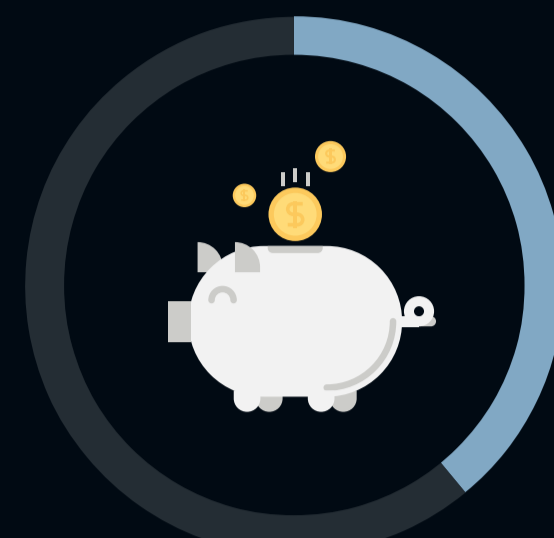
Increased productivity of IT staff

53%



Increased agility to deploy applications faster

44%



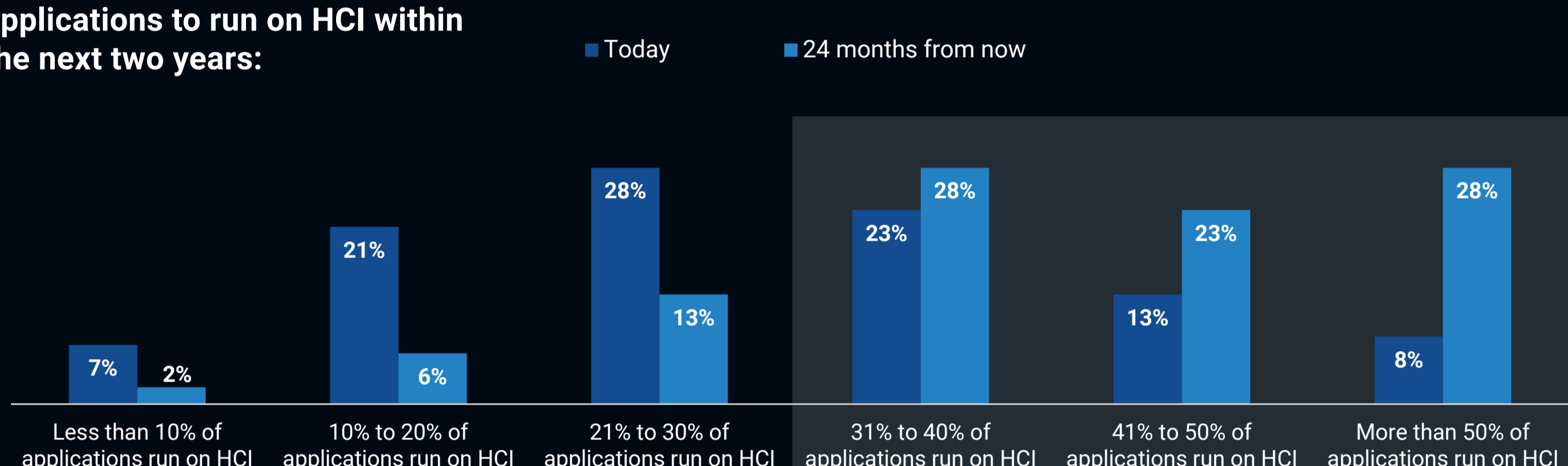
More operational savings

39%

## Benefits of HCI Fuel Increased Usage

As a result of these benefits, users of HCI technology expect to expand adoption to a wider range of applications and workloads.

The majority (79%) of organizations expect more than 30% of their applications to run on HCI within the next two years:



## The Rise of AI and Generative AI Transforms Business and Infrastructure

The rise of AI and generative AI (GenAI) workloads is fueling increased investment.

Where AI is deployed hinges on a variety of factors, including the cost of infrastructure and resources (34%), compliance and regulatory requirements (30%), access to technical resources and expertise (29%), and flexibility in resource provisioning and consumption (29%).

In addition, discrete GPUs are not always required to support AI or GenAI workloads. Intel has integrated an AI accelerator into their Intel Xeon processors, in many cases enabling existing infrastructure to effectively run AI.

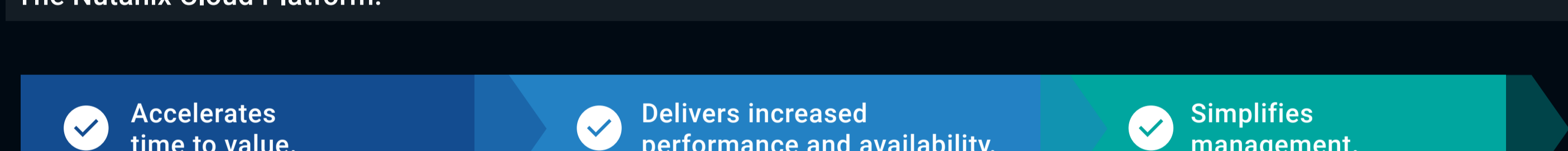
### Cost and Compliance Drive Decisions on Where to Place AI Infrastructure



## Nutanix, HPE, and Intel Collaborate to Modernize Data Centers and Hybrid Cloud Management

The combination of Nutanix and the HPE ProLiant DX server series with Intel Xeon Scalable processors integrates seamlessly with Nutanix HCI, leveraging Nutanix software for virtualization, database, and software-defined storage.

### The Nutanix Cloud Platform:



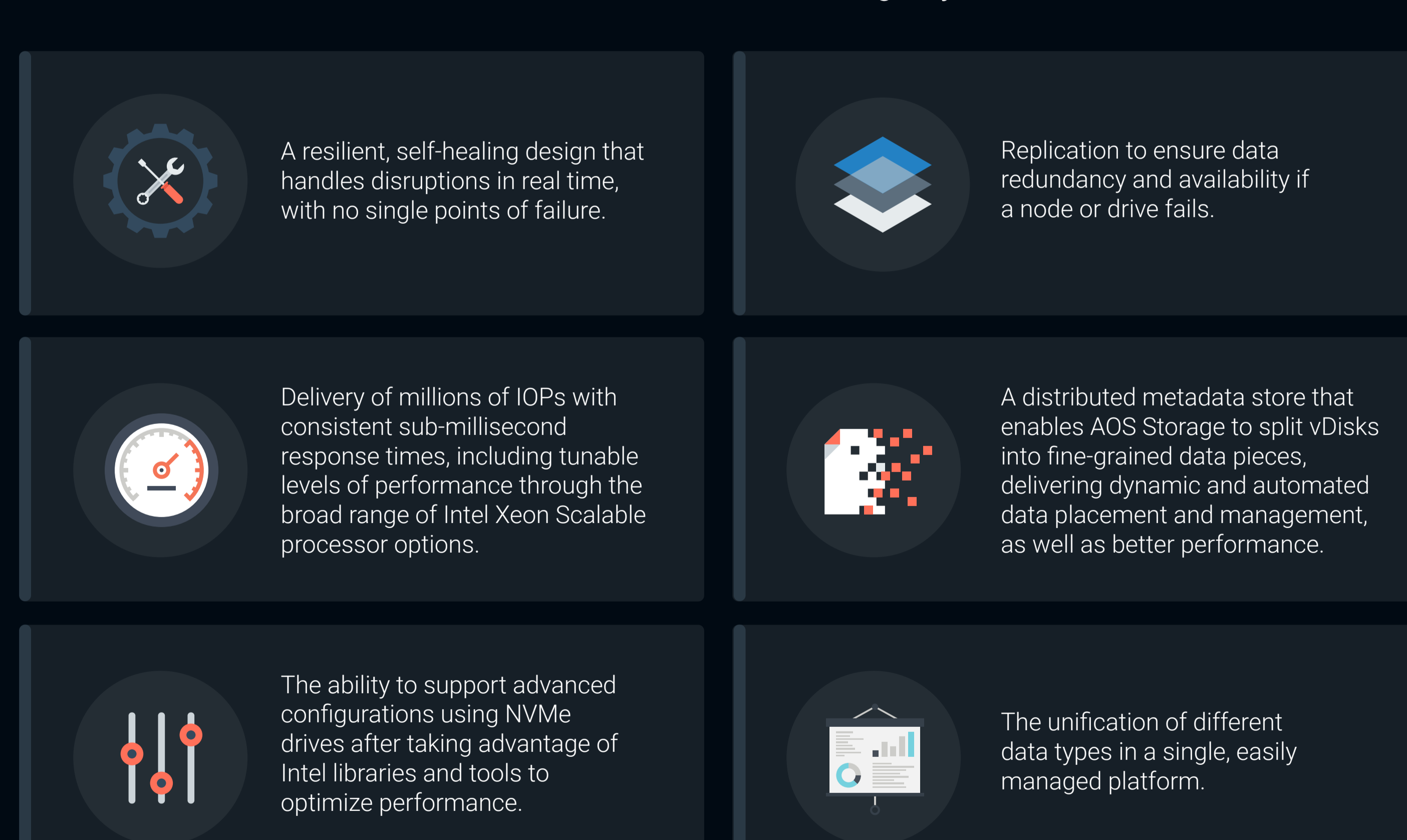
“Organizations can deploy, run, and scale applications on a single platform with on-premises performance, control, and security.

In addition, the Nutanix Cloud Platform provides hypervisor options and enables users to decide which clouds to run on as well as where licenses can run.”

—Scott Sinclair, Practice Director ENTERPRISE STRATEGY GROUP



The solution also has the following key benefits:



The HPE ProLiant DX Gen11 server portfolio, coupled with Nutanix HCI, combines the performance of advanced Intel Xeon Scalable processors with flexibility and simplicity. These processors are designed for real-world workloads, including analytics, AI, and security, with built-in accelerators that help boost performance and efficiency across a distributed enterprise, from edge to cloud.

## Conclusion

Nutanix, Intel, and HPE partnered to give organizations a broad choice of methods for powering private, hybrid, and multi-cloud environments.

They make it easy for users to build cloud infrastructures for any workload with self-service operations, including the economic benefits of the cloud.

Organizations can start small and scale as needed with buffered capacity and with the flexibility of Capex or Opex consumption models.

Users can deploy applications quickly with a pay-per-use model for improved visibility into usage and costs.

NUTANIX

intel.

LEARN MORE