Nutanix Cloud Clusters (NC2) for Hybrid Multicloud Environments

NC2 is a hybrid multicloud platform designed to reduce the operational complexities of running and managing applications in any location, enabling easy workload migration, and extending and bursting applications and data between clouds. ESG found that NC2 can unify infrastructure management and migrate applications without retooling across on-premises private and public clouds.

Simplifying Public Cloud Adoption and Optimizing IT Operations

In today's digital innovation era, organizations need to operationalize their applications and data as efficiently as possible. There is a pressing need for a platform that can span private, distributed, and public clouds so that operators can manage their applications using a consistent cloud platform.

ACCORDING TO ESG'S 2021 TECHNOLOGY SPENDING INTENTIONS SURVEY

88%
of organizations said they are in the midst of **digital transformation initiatives**

79%
stated they have applications or workloads that are **potential or strong candidates to move to public cloud services over the next five years.**
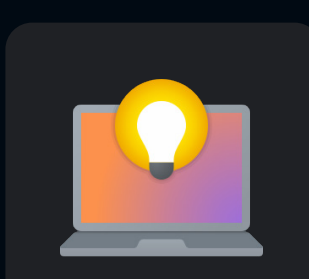
Nearly half of surveyed organizations are employing a cloud-first policy for new applications today, but this can pose operational challenges.

More than half (56%) of organizations surveyed cited becoming more operationally efficient as one of their most important digital transformation objectives.

NC2 Helps Organizations to Digitally Transform

NC2 uses networking integration to connect on-premises environments with NC2 on AWS in the public cloud, without the complexity of network overlays.
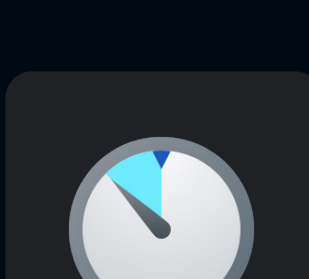
SIMPLER PUBLIC CLOUD ADOPTION AND BUSINESS RESILIENCE
Repeatable automation translates into real efficiency savings for an organization and reduces business risk and unplanned downtime with simple, resilient, and secure cloud DR.

PUBLIC CLOUD APP PERFORMANCE WITHOUT COMPROMISE
Storage performance can exceed commonly used on-premises general purpose configurations and meet the performance of high-end on-premises platforms.

IMPROVED IT AGILITY AND OPERATIONS
Application deployments went from "hours or days" with traditional architecture and processes to "seconds or minutes" with NC2 on hybrid cloud.
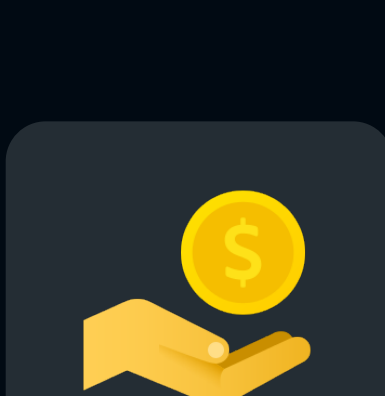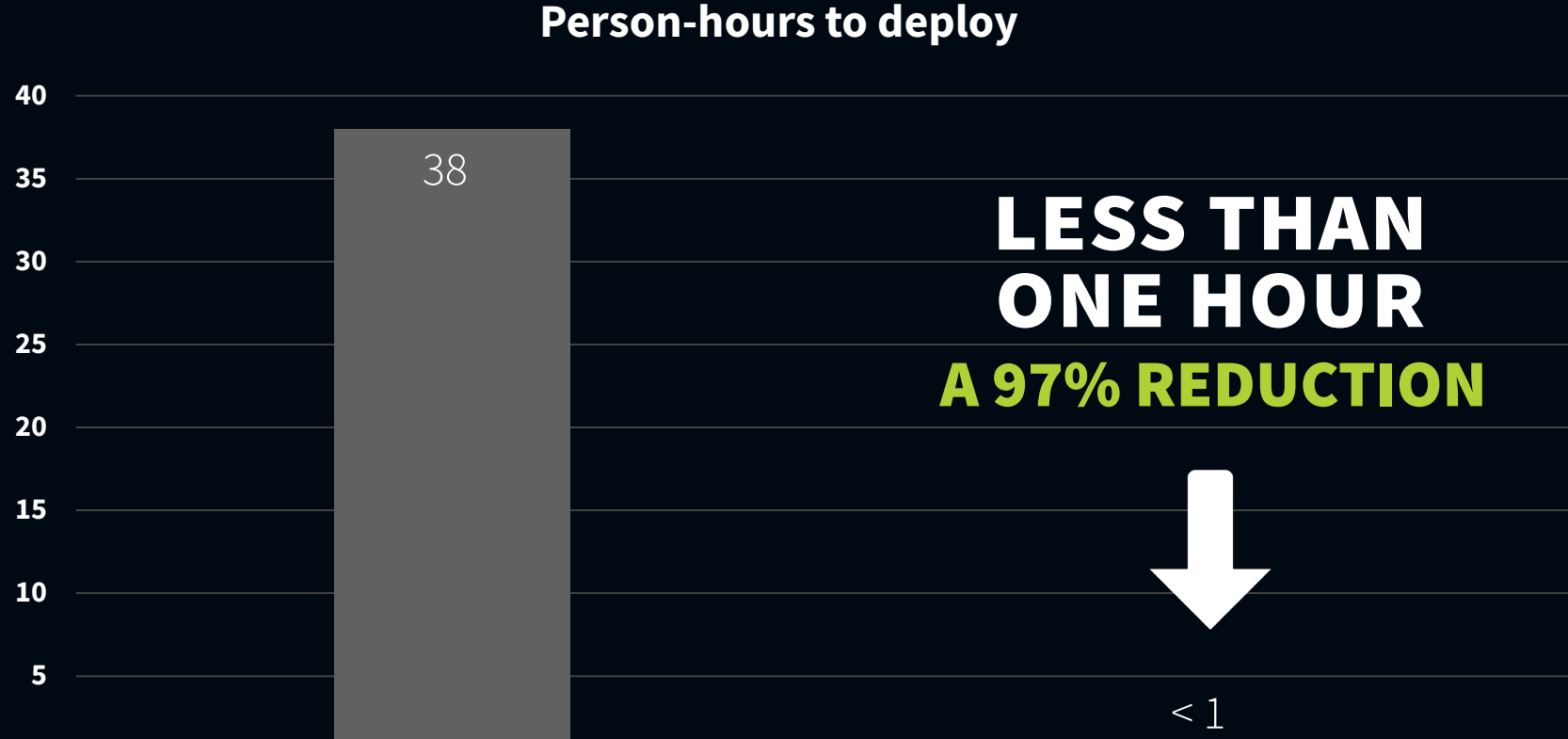
ESG Validates NC2

ESG analyzed NC2, focusing on IT operations and the potential savings an organization might expect to see when using NC2 to accelerate digital transformation efforts and run applications in a hybrid cloud. ESG also examined the performance of NC2 on a public cloud as compared to on-premises deployments.
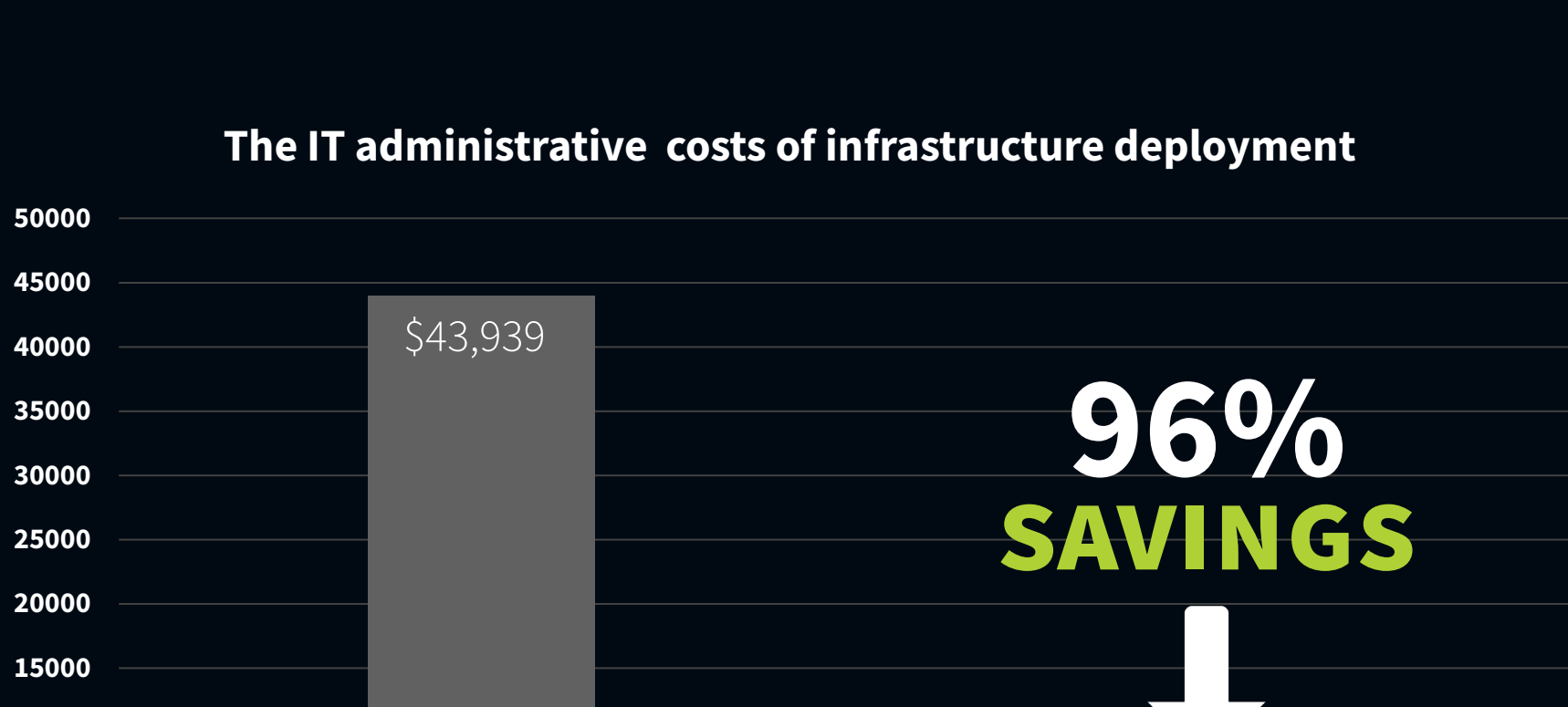
INFRASTRUCTURE DEPLOYMENTS

Traditional infrastructure took an average of 38 person-hours to deploy, compared to less than one hour with NC2 on AWS, a 97% reduction.
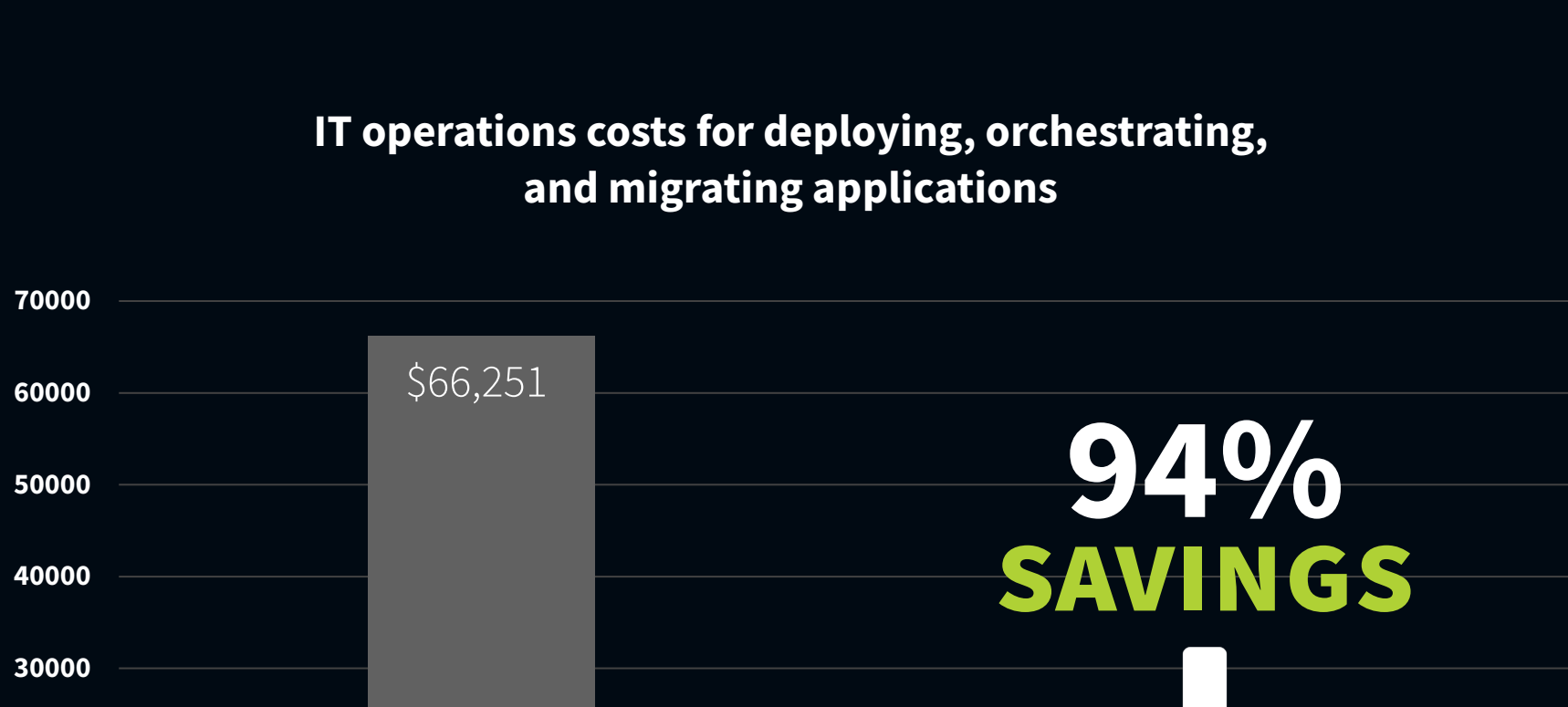
Person-hours to deploy

LESS THAN ONE HOUR
A 97% REDUCTION

	Traditional infrastructure	NC2 on AWS
	38	< 1

OPERATIONAL COSTS

The IT administrative costs of infrastructure deployment for an organization could be reduced from $43,939 to $926 in a single year, a savings of 96%.

The IT administrative costs of infrastructure deployment

96% SAVINGS

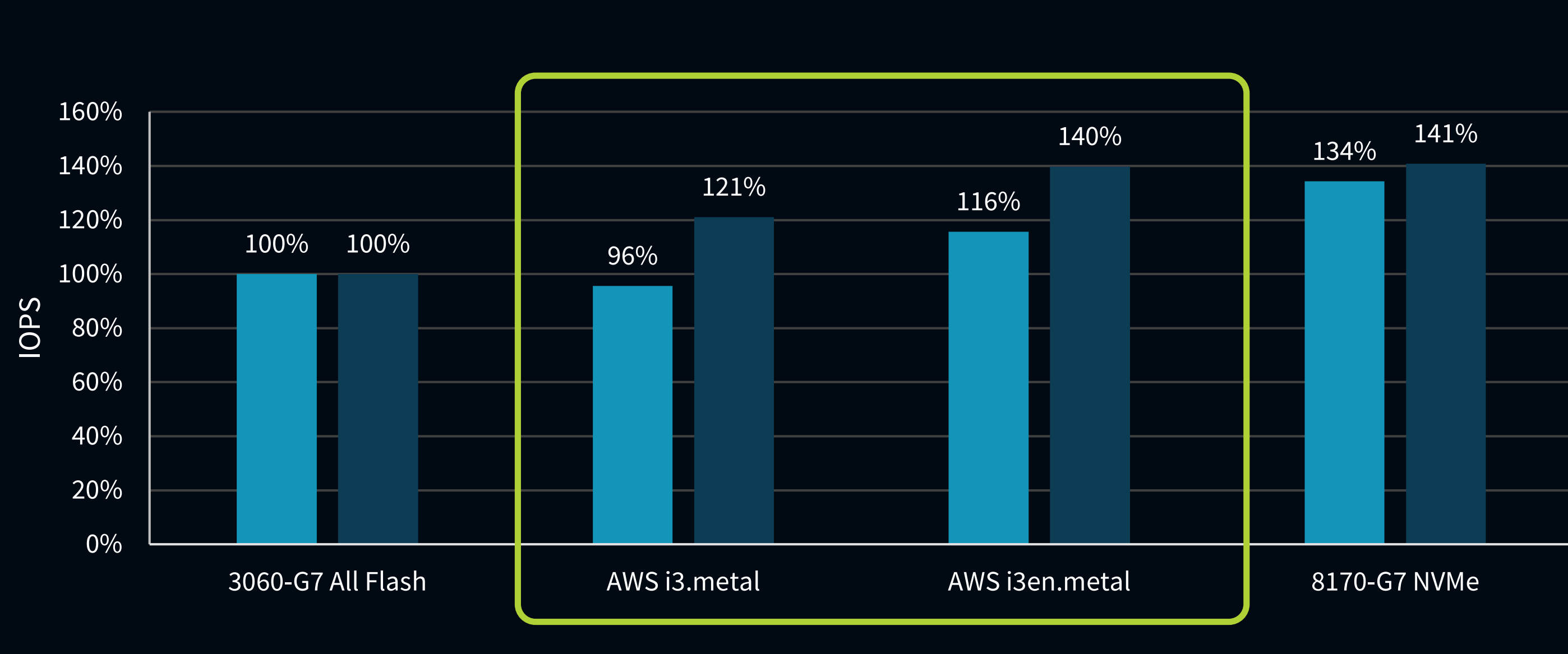|	Traditional infrastructure	NC2 on AWS
	$43,939	$926

IT AGILITY

IT operations costs for deploying, orchestrating, and migrating applications to the location where they are best suited can be reduced from $66,251 to $3,929 in a single year, a savings of 94%.

IT operations costs for deploying, orchestrating, and migrating applications

94% SAVINGS

	Traditional infrastructure	NC2 on AWS
	$66,251	$3,929

NC2 on AWS delivers transactional storage performance on par with on-premises cluster nodes, providing organizations with the confidence and ability to run all enterprise workload types in a Nutanix hybrid cloud.

IOPS	3060-G7 All Flash		AWS i3.metal		AWS i3en.metal		8170-G7 NVMe	
	100%	100%	96%	121%	116%	140%	134%	141%

■ Random Write IOPS ■ Random Read IOPS

> **"** ESG validated that NC2 for hybrid cloud solutions provides faster time to deployment compared with on-premises infrastructure **and can simplify public cloud adoption with a consolidated management plane that spans clouds."**

Tony Palmer
ESG Senior IT Validation Analyst

The Bigger Truth

Organizations need to operate their applications and data in a hybrid environment. A single platform that can span private and public clouds so that operators can manage their traditional and modern applications using a consistent cloud platform is what is needed to achieve this.

If your organization is looking to unify infrastructure management and without retooling across on-premises private and public clouds, then ESG believes that you should consider the operational advantages of the NC2 hybrid multicloud solution.

LEARN MORE

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