

NUTANIX™

# THRIVE OR JUST SURVIVE? YOU CHOOSE.

Unlock Your Data's Full Potential

DATABASE SOLUTIONS



# YOUR DATA IS GOLD. HOW DO YOU MINE IT?

Research shows running your databases on legacy infrastructure is:

## **COSTLY**

**75%**

of database management costs are spent on labor<sup>4</sup>

## **COMPLEX**

**72%**

of IT budget is spent on basic maintenance rather than innovation<sup>3</sup>

## **VULNERABLE**

**91%**

of databases will experience unplanned outages<sup>2</sup>

## **SLOW**

**1/3**

of CIOs complain that databases are too slow<sup>5</sup>

Your business is housing a gold mine of data and is trusting your team to manage, protect, and mine insights from it. This can be a daunting task, especially considering that today, data is being created faster than ever before — over 2.5 quintillion bytes per day.<sup>1</sup>

This presents both a unique opportunity and challenge for your business. In order to extract value from data, your business needs an efficient means of not only collecting, but also storing, processing, analyzing and utilizing data. This is where your database operations come in.

If, like most enterprises, your databases are built on traditional IT

infrastructure, the complex siloed compute, storage, and network resources are not optimized for today's demanding business needs. Today, organizations require access to high quality data with built-in resiliency and security to keep data available yet secure. Without it, running data-driven projects without delay, non-disruptively, and without risk becomes extremely difficult.

# IMPLICATIONS OF LEGACY DATABASE PLATFORMS

## MANUAL PROCESSES

Almost 75% of database management budgets are spent on manual processes. Every time IT admins or DBAs engage in a manual process, you waste precious time and incur additional operational costs. Eliminating manual processing does three things — it reduces human error, it saves critical time to focus on what's more important and it reduces cost. Automation is the key to eliminating manual tasks and improving efficiency.

## INCONSISTENT PERFORMANCE

Many CIO's complain that their databases are slow and become a bottleneck for business. The need for accelerated innovation to drive growth continues unabated in this rapidly transforming digital era. Databases, unable to match performance loads and scale quickly enough to meet peak business periods, turn attention on IT, responsible for delivering the technology platform to enable business growth. IT teams need a solution that puts them back in control and the business back on track.

**Siloed datacenter operations caused by legacy architecture actually create major challenges for IT teams.**

## INFLEXIBILITY AND COMPLEXITY

When a datacenter is built around siloed operations, trying to troubleshoot database performance issues or find ways to scale performance can seem futile. Siloed datacenters are inherently rigid, and the segregated operations add complexity and take away from productivity. When 72% of IT budgets are spent on maintenance tasks rather than innovation, increasing infrastructure agility through a more streamlined operational model can significantly improve OpEx and free up IT resources towards supporting new business initiatives.

## VULNERABILITY

The combination of operational complexity and burdensome manual work exposes your database to human error and puts your business at risk for costly outages. In fact, 91% of datacenters experience unplanned downtime. CNBC reported that the Captial One data breach in June of 2019 that impacted over 100 million people caused a significant drop in share value with potential fines upward of \$100 million dollars. A simplified approach to your infrastructure with proactive self-healing and recovery capabilities helps ensure maximum data resiliency and business continuity.

# EVOLVE

## YOUR DATABASE OPERATIONS

Business models are evolving. IT needs new models to keep pace and get one step ahead of the business too. The truth is, IT infrastructure and database operations will need to adapt in order to fully support new initiatives without disrupting regular business operations. You need a solution that simplifies database management and delivers IT services at scale, on-demand.



**We haven't found any workload that doesn't run better on the Nutanix platform."**

**Chris Cate**, EVP and CIO of Valpak

# UNLOCK THE POTENTIAL OF YOUR DATA WITH NUTANIX



Nutanix solutions for databases enables IT to propel the business into the modern digital era providing the underlying platform and services that enable rapid agile database operations, simplified data management, data resiliency, and intelligent automation for maximum efficiency. With Nutanix you can:

## IMPROVE TIME TO VALUE AND BUSINESS AGILITY

- › Deploy infrastructure and databases in minutes & hours instead of days & weeks
- › Accelerate dev/test with up to 10x faster deployments<sup>6</sup>

## MAXIMIZE UPTIME AND SECURITY

- › Slash unplanned downtime events by as much as 85%<sup>11</sup> and experience non-disruptive IT operations
- › Detect and fix vulnerabilities automatically before they become a problem

## IMPROVE OPERATIONAL EFFICIENCY AND REDUCED COSTS

- › Experience up to 62% operational efficiency savings<sup>7</sup>
- › Reduce cost of operations for supporting workloads by up to 60%<sup>9</sup>

Easily support mission-critical workloads to enhance business innovation. Deploy new environments in a fraction of the time it takes with legacy infrastructure. Maximize uptime with non-disruptive operations and minimize manual tasks with intelligent automation.



**The high performance provided by the Nutanix systems has enabled us to make better use of our data. With better insight into our end users' needs, we can provide better service to our customers."**

**Sergey Ivashov**, Director of Corporate Information Systems, JSC Kazakhtelecom

## **MAKE DATABASE MANAGEMENT EASY**

One-click database operations enable you to provision, patch, clone, refresh and backup in as little as a few minutes from a single management platform. When performance improves and users experience seamless scale, the tools become invisible, and they can focus on being productive.

## **REDUCE OPERATIONAL BURDENS AND COSTS WITH INTELLIGENT AUTOMATION**

Reduce IT overhead and administrative costs associated with maintaining and troubleshooting complex databases running on legacy infrastructure. Intelligent automation removes cumbersome tasks, mitigating human error and freeing up IT to support business-enhancing projects.

## **MAXIMIZE DATA RESILIENCY AND SECURITY**

Maintain your critical workloads with a web-scale architecture that self-heals and recovers proactively, helping to slash unplanned downtime by up to 85%.<sup>11</sup> One-click disaster recovery (DR) and automated copy data management protect you from downtime.

## **UNLEASH BETTER PERFORMANCE AND SCALABILITY**

Nothing deters productivity and detracts from the user experience more than under-performing applications that are database-dependent. Create a positive user experience with improved database performance and ability to handle increased workloads and data. In some cases, database performance can be improved by as much as 3X over existing legacy deployments.<sup>9</sup>



**Nutanix gives our employees the freedom to ride. Since they don't have to spend all of their time fighting fires in the data center, they're welcome to jump on their bikes and take a nice, hour-long ride during the work day in the fresh air."**

**Brian Oamek**, Senior Enterprise IT Architect, Trek Bikes

With nearly 3/4 of IT budget<sup>3</sup> spent on regular maintenance, there's a significant opportunity to move IT time away from generic maintenance toward revenue-building innovation. Intelligent database operations such as automated lifecycle and copy data management can help reduce operational costs by up to 61%, lower TCO by up to 62%<sup>9</sup> augment your DBAs' productivity, and reduce the risk for human error.

Nutanix solutions utilize space-and-time-efficient database clones to help eliminate wasteful copy data costs. Considering that 77% of organizations have at least 200 database instances, 82% of with at least 10 copies of each instance,<sup>10</sup> it's safe to say

that there's significant storage cost, not to mention management burden on DBAs, that could be saved.

Peak business periods demand peak performance, especially when it comes to database OLTP and OLAP workloads. Business users expect the database and therefore underlying infrastructure to support the increased workload demands without interruption or degradation. With Nutanix solutions for databases, IT can scale the infrastructure platform to support these spikes by simply adding one node at a time in a linear fashion, on-the-fly, with no downtime — and users can expect to see a non-disruptive linear increase in performance as a result.

# 72%

**of IT budgets are spent on regular maintenance; there's a significant opportunity to allocate your team's time away from generic maintenance and toward revenue-building innovation.<sup>3</sup>**

# 61%

**less IT staff time to deploy, manage, and support infrastructure and databases help reduce cost of operations by up to 62% with Nutanix.<sup>9</sup>**



**The Nutanix platform performs so well that we are now able to accomplish other IT projects that often got overshadowed by operational issues in the past. Moving to Nutanix was one of the smartest IT decisions we have ever made.”**

**David Luke**, Director of IT Engineering, ISC

Don't just survive. Thrive in the new era of digital transformation with Nutanix solutions for databases. Leveraging our industry-leading<sup>12</sup> software platform and award-winning<sup>13</sup> database services, Nutanix can help you transform your disparate infrastructure into a single, simple, fast and highly resilient, secure platform, on which you can run all your database workloads with ease, more efficiently than ever. Help turn your database back into that engine of innovation, unlocking your company's most valuable asset — your data.

Nutanix is customer-obsessed, and your success is our number-one priority.

NUTANIX DELIVERS, AND WE CAN PROVE IT. **OVER 14,000 CUSTOMERS** HAVE COME TO TRUST OUR SOLUTIONS, AND WE'VE EARNED OVER +90 NET PROMOTER SCORES FOR 5 CONSECUTIVE YEARS.

**ALL TOGETHER, WE MAKE  
YOUR INFRASTRUCTURE EASY,  
INTELLIGENT AND RESILIENT**