WHAT'S YOUR
DATA WORTH?

NEC's guide to customized data protection in the cloud, on-premises, and anywhere in between.

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LEGACIES ARE
NOT ALL EQUAL

Have you ever imagined what would happen if your data was lost because of a simple mistake or a cyberattack?

While you may think you are prepared for any scenario, the truth is, dangers lurk in the most common of places. You simply cannot prepare for every risk. After all, not all legacy systems are created equal.

NEC understands that not every company is built like the other. That's why we help find the best solution to secure your data while allowing it to do what it's supposed to— keep your business running smoothly.

WANT TO LEARN MORE?

Read on to learn the advantages of storing data in the cloud and onsite, and why it's also important to consider implementing both into your security systems.
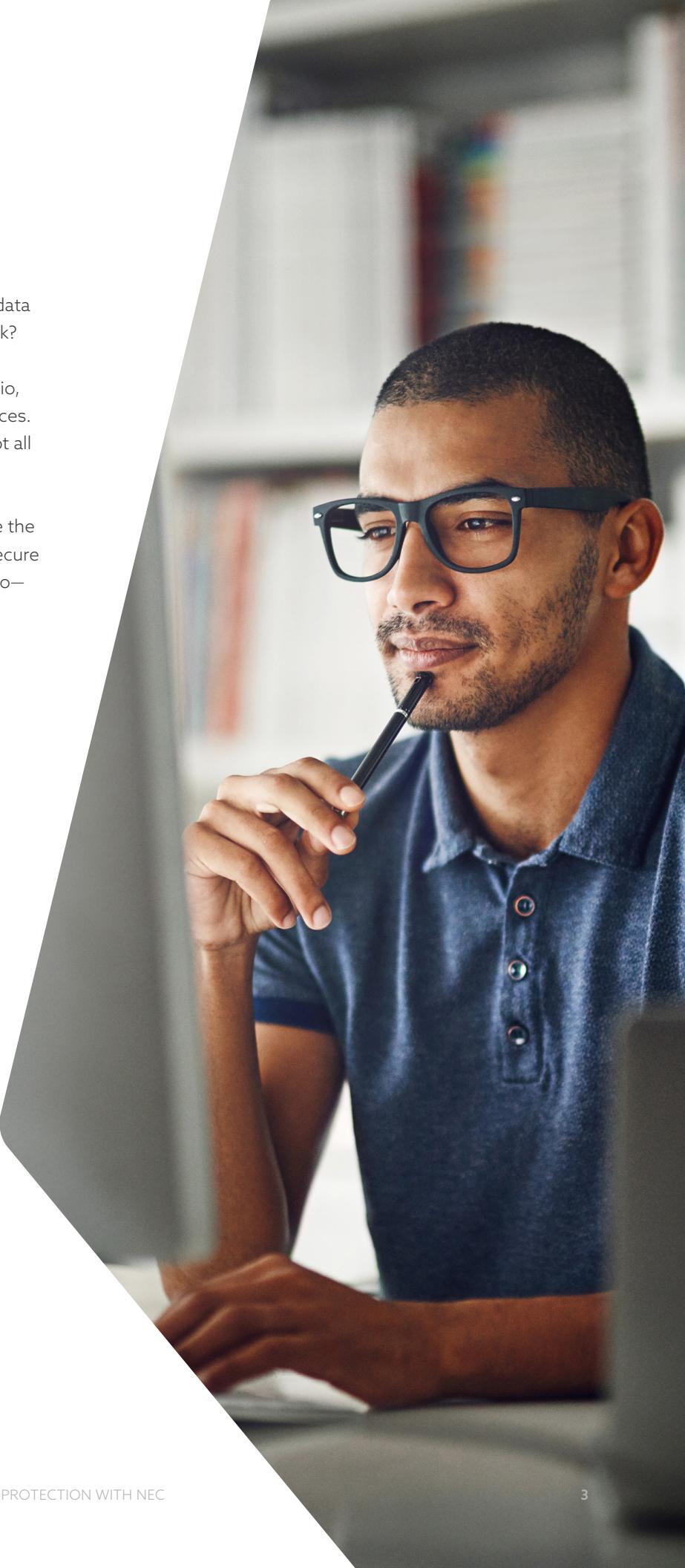
THERE'S MORE TO LOSE
THAN YOU THINK

You already know that your data is critical to your business operations, so you need to ensure that there is a backup plan in place for when unplanned events inevitably occur.

ATTACKS *WILL* HAPPEN

Let's face it—ransomware attacks are often unavoidable, even if you think you're prepared for one.

Having a comprehensive and redundant disaster recovery plan in place, is like a shield for your company's data, making it less susceptible to ransomware. Less vulnerable data is less of a target to attackers, who often are looking for the easiest means of attack.

And it's not just ransomware to worry about. In some cases, the slightest human error can cause detrimental data loss.

81%
of ransomware victims were confident that restoring from backup would provide a complete recovery of their data.[1]

42%
of ransomware victims fully recover their data, even with backup.[1]

MORE THAN DELETED SCENES

Like most Hollywood stories, this one has a happy ending. But it almost didn't.

A major film company was working on the production of an animated movie when a crew member incorrectly entered a network command. This began to delete all of the files—files that represented tens of millions of dollars and months of work. Within minutes, 90% of the movie's assets were wiped out. And that's not even the worst part.

The company did not have a continuous backup system in place. Fortunately, a technical director had been working

from home and had a server in her house loaded with all of the movie's files. She and the CTO hopped into her car and brought her server to the office, restored the files to the main network, and saved the movie.

The company? Pixar. The movie they almost lost to backup neglect? Toy Story 2.

This case study originally appeared on netxweb.com.

SAFEKEEPING
IN THE CLOUD

With little-to-no hardware costs, NEC's UNIVERGE BLUE Backup as a Service (BaaS) solution gives you a seamless way to mitigate risks of data loss without the expense of investing in physical backup management infrastructure and personnel.

WHY UNIVERGE BLUE BaaS?

GET FASTER

Data is stored offsite and can be quickly restored by IT staff who can reload lost data back onto company servers. This frees up time for staff to focus on your core business and not countless hours maintaining a physical infrastructure.

BE SCALABLE AND FLEXIBLE

Never worry about having to purchase additional storage as your company grows. With the flexibility to backup between datacenters with an on-premises or cloud solution, NEC delivers backup strategies that also scales with your evolving needs.

SAVE MONEY

See your IT costs shift from CAPEX to OPEX, with the freedom to scale as necessary. The OPEX model gives your business a fundamental leap for only a fraction of the upfront dollars and time you would have incurred in a traditional CAPEX model. Additionally, ensuring you have a full-service disaster recovery solution costs substantially less than the cost of downtime if a breach were to occur.

ENSURE ACCESS

If inaccessibility to data is prolonged after a disaster or another incident, you put your company's livelihood at stake. When employees can access data at any time via the cloud, you can continue operations instead of shutting down temporarily.
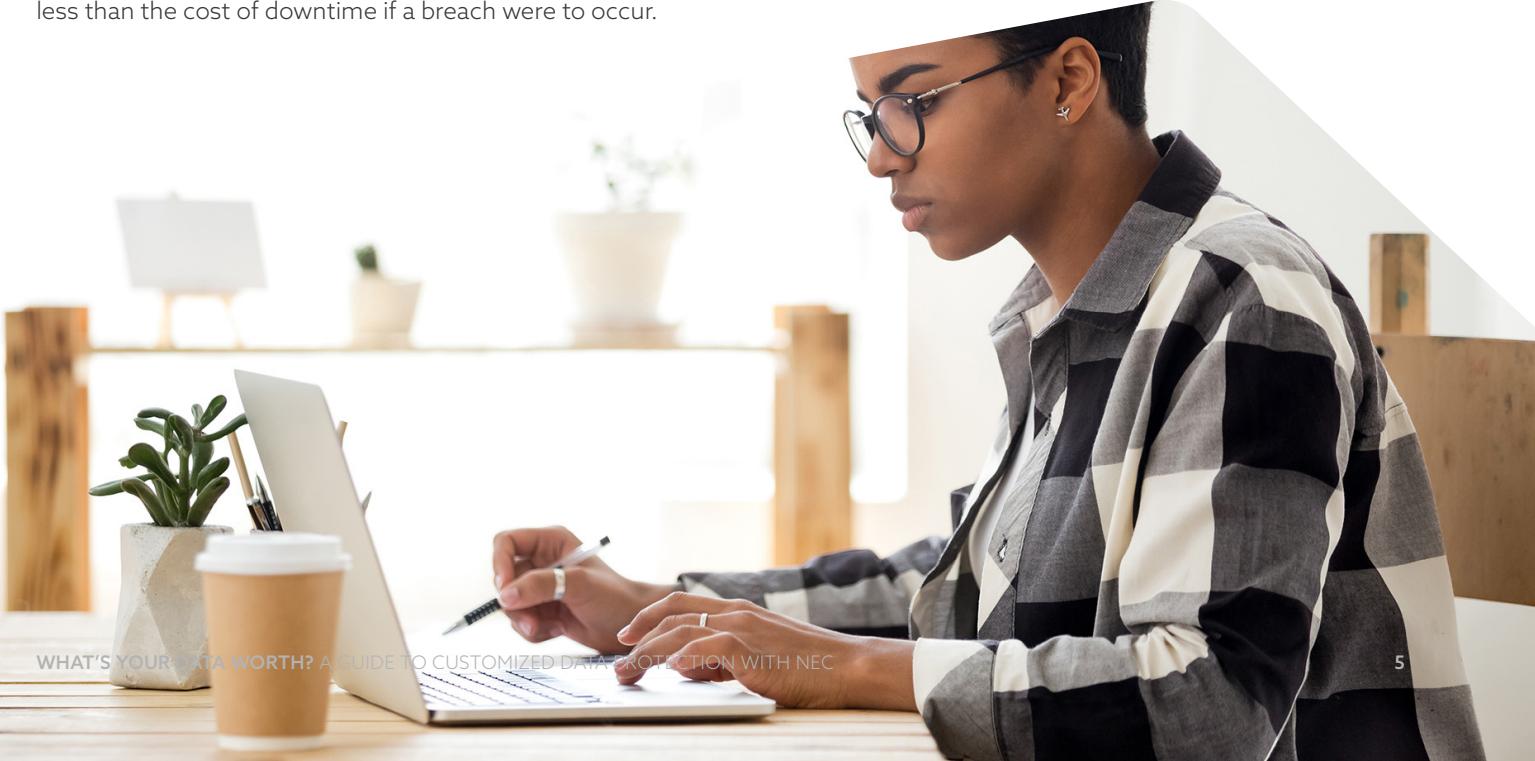
GET TO KNOW **UNIVERGE BLUE BaaS**

We all want to reduce risk. Thankfully, UNIVERGE BLUE BaaS does just that. It provides on-premises, cloud, hybrid, public, or private environments, and gives your business the flexibility of choice.

While the physical infrastructure of onsite backup systems can be cumbersome, the removable media that backs up the data, such as tapes, are relatively easy to manage.

UNIVERGE BLUE BaaS S3 INTERFACE

Access NEC's storage services using UNIVERGE BLUE BaaS S3 compatible interface.

HYDRAstor AS A SERVICE

Keep your physical server and let NEC host and maintain your back up, so you don't have to.

HYDRAstor

Buy, maintain, and manage your backups on your own. Just buy the hardware from NEC.

FULLY MANAGED

Allow NEC's Professional Backup Experts to architect the optimal solution, performing and monitoring backups on or off premises.

CONSIDER A HYBRID FOR
YOUR BACKUP PLAN

Are you seeking to reduce operational costs and focus your resources on higher priority tasks? NEC's HYDRAstor has you covered. As your data center needs grow and require more agility and scalability, you may need to move out of a traditional center and into a hybrid model.

THIS HYBRID APPROACH:

> Simplifies and expands storage effectively using existing resources

> Integrates your current data center resources with a ready-made infrastructure

> Achieves long-term data retention

> Combines hardware with the cloud for optimal protection

> Provides optional Disaster Recovery as a Service (DRaaS) configurations to meet any Recovery Point Objective (RPO) / Recovery Time Objective (RTO) requirement

95%
of companies that suffer total data loss and cannot recover will either not re-open or close within 12 months.[2]

CUSTOMER(S)

01 3rd Party Application

02 HYDRAstor

03 NEC Appliance

S3

HYDRAstor RepliGrid

Replication

DCn
DC2
DC1

HYDRAstor

NEC Storage pool   **Tape Option**

Compute Reservation Option
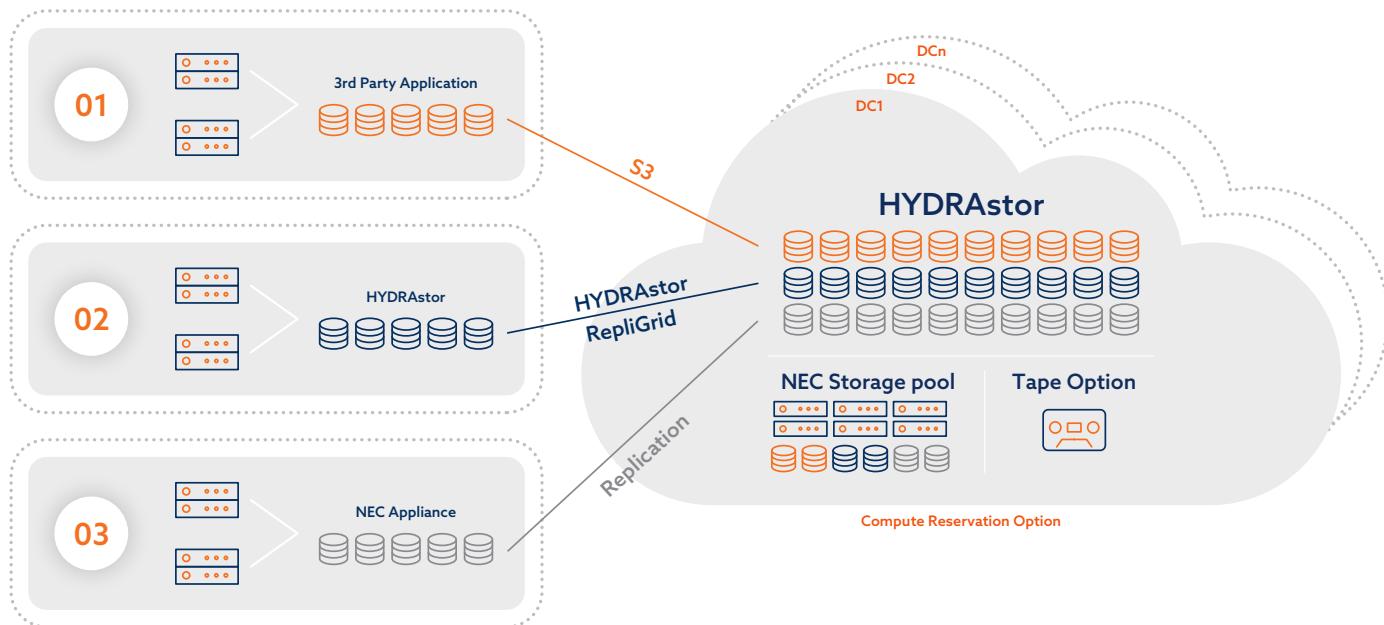
GET MAXIMUM CAPACITY
ON-PREMISES

What if your recovery system could be more than just a backup solution? With a distributed grid storage platform, an on-premises solution delivers lower storage capacity consumption by up to 95% or more with inline global data deduplication. You'll also see a huge reduction in network bandwidth requirement with WAN-Optimized Replication for cost-effective disaster recovery.

WHY ONSITE PROTECTION?

SCALE AS NEEDED

With unrestricted scalability, your company will get independent linear scalability, performance, and capacity without disruptive technology getting in the way.

MULTI-GENERATION EXPANSION

Turn on non-disruptive in-place technology refreshes and expansion —eliminating the need for major upgrades or periodic downtime.

CHOOSE TO RENT OR OWN

You can decide to either manage your own backups or opt for fully managed backups from NEC with your data locally stored. Whether you choose HYDRAstor as a Service or own HYDRAstor, your data is highly secure.

GET TO KNOW HYDRAstor:

PERFORMANCE BACKUP STORAGE

Boost your UC system with geo-redundant servers, and choose from disaster recovery applications that protect your communications and data. From certified SIP trunks to multiple data centers, you can rest easy knowing that you have reliable, highly-secure technology.

DEDUPLICATES AND COMPRESSES FILES

Utilizing NEC's patented global inline deduplication, and post process encryption and deduplication technology, the HYDRAstor system eliminates duplicate data allowing for the highest compression ratios on the market. This not only ensures data is optimized for backups, it ensures that network bandwidth is reduced in replication scenarios.

ALWAYS-ON SERVICE

Designed to avoid costly downtime through the introduction of new technology, the HYDRAstor systems have been designed by NEC to support multigeneration operation. This allows the introduction of new generations of technology without disruptive downtime associated with removal and migration of data.

CHECK YOUR
DATA ENVIRONMENT

It's a healthy practice to regularly gut-check your data environment. If you're left with questions about how to recover your files, this checklist includes some key items you should ask yourself about your system:

✓ ARE YOUR EMPLOYEES TRAINED?

If your IT team is not trained to handle restoring data from a backup, you'll need to put your database administrator up to the task of devising a detailed strategy for this.

✓ ARE YOU MONITORING BACKUPS?

It's important to have the right monitoring tools set up so that your administrator is alerted when a backup fails.

✓ DO YOU HAVE ROBUST SECURITY?

When your data is in the cloud, it's actually more secure than if left solely onsite. Ensuring that you have a strong firewall and staying current with regular vulnerability checkups and reviews will keep things healthy and protected.

✓ TEST, TEST, AND MORE TESTING

Be sure to run periodic database restoration testing, including database restores from the disk and tape backups, so that your IT team knows how to identify needs when the time comes.

✓ DO YOU HAVE A COMPREHENSIVE DISASTER RECOVERY STRATEGY IN PLACE?

It is important to have a comprehensive disaster recovery plan established to prevent data loss and enable a sufficient IT recovery in the event of a disaster.
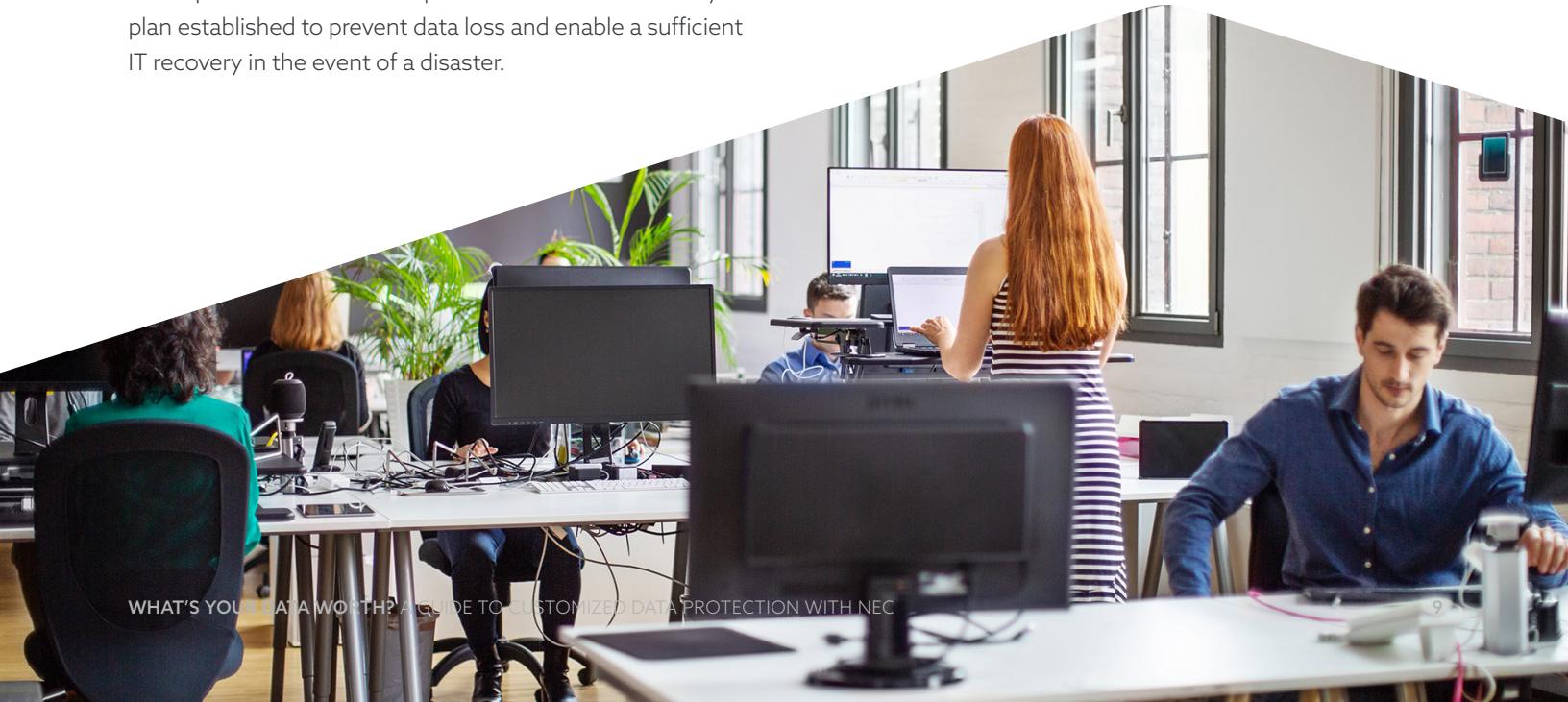
NEC'S SCALABLE SOLUTIONS
ENSURE THAT YOU HAVE:

Powerful, cost-effective and reliable managed backup and recovery delivered 7x24x365.

A fully staffed Network Operations Center (NOC) to manage and support the entire backup process.

Maximum operational transparency with daily or monthly status performance reports.

Advanced Encryption Standard (AES) 128-bit encryption for virtual servers, physical file servers or database applications.

Tailored recovery points and recovery time objectives for personalized retention and archival periods.

SECURE YOUR DATA
WITHOUT THE STRESS

With over 120 years of experience, NEC is a trusted global leader in communications and information technologies. Learn more about how NEC solutions can transform and protect your business by managing data no matter where it is.

FOR MORE INFORMATION,
VISIT NECAM.COM/UNIVERGEBLUE.
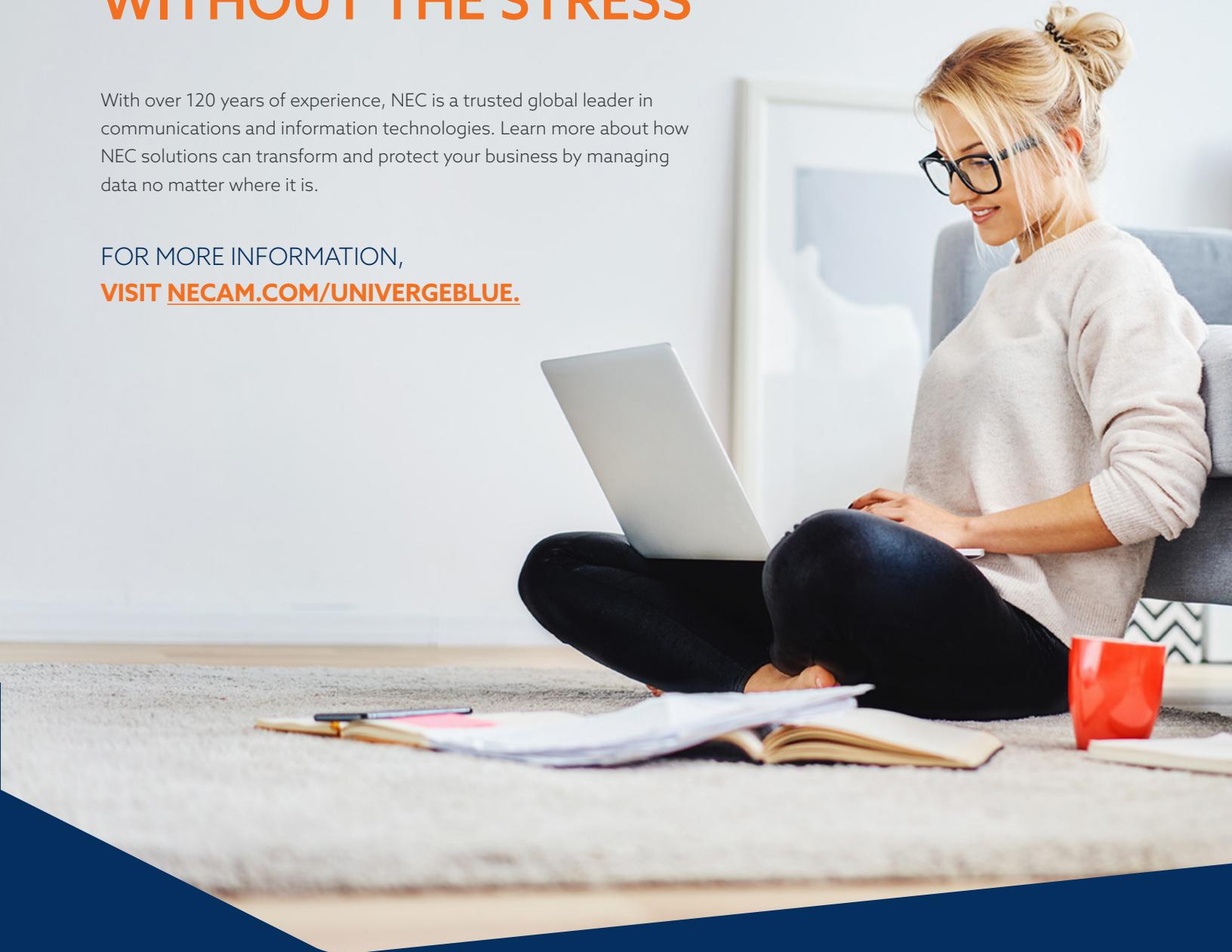
Sources:

1. Surviving Ransomware: Lessons from IT Pros Who Didn't Pay (Barkly)

2. NEC Hybrid Cloud Recovery Information Sheet, 2018

\Orchestrating a brighter world   **NEC**