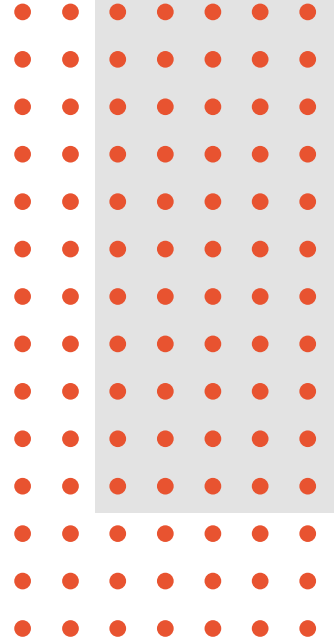


# Backup Challenges

## A Solutions Guide



# Overcoming Common Challenges

## About Net3

Net3 Technology is a leading Cloud Services Provider offering nationwide backup and disaster recovery solutions tailored to fit company requirements with flexible pricing options. Net3's cloud solutions give businesses more flexibility where they can consume server resources without data lock-in. Our goal is to make customers confident in their cloud strategy.



Data loss results in both tangible damages (such as financial) and intangible damages (such as reputation) to your business. The only way to protect your business from losing essential data is by backing up that data regularly and consistently. Nothing is more important to a business than the data, systems and network that run it.

Data is the lifeblood of a business and it's up to IT Departments to keep it accessible and protection. With the ever changing landscape networks, storage growth, the current (and intense) focus on cybersecurity, and more professionals working from home - there are many backup challenges that IT professionals can face.

In this whitepaper, we will discuss seven common challenges when performing backups and the solution to overcoming them. At the end, you will find a comprehensive backup checklist to make sure all bases are covered for a successful recovery.

- 🕒 **Challenge #1:** Managing Backups is Boring
- 🕒 **Challenge #2:** Not Enough Time to Plan
- 🕒 **Challenge #3:** Testing is Hard
- 🕒 **Challenge #4:** Ransomware is Scary
- 🕒 **Challenge #5:** End Users Complain
- 🕒 **Challenge #6:** Endpoint Backup is Impossible
- 🕒 **Challenge #7:** Backup Takes too Long

# The Solutions

## **Challenge #1: Managing Backups is Boring**

People do not like to manage backups. There's nothing glamorous about a routine backup, but it is very necessary to the health of the environment. Regardless of the feeling, you must perform daily, weekly and monthly backups.

### **The Solution:**

Net3 Technology offers fully managed backup systems to make it less boring and easily managed.

## **Challenge #2: Not Enough Time to Plan**

With smaller IT teams or a single person in charge of a network, taking time to plan can be difficult. But, a plan is necessary for a successful recovery. Going by the "seat of your pants" or running around with your hair on fire is not the way to go about data recovery.

### **The Solution:**

Net3 Technology provides a white glove approach to onboarding along with customized DR Runbooks to assist customers with the planning and implementation of a thorough Disaster Recovery plan.

## **Challenge #3: Testing is Hard**

Testing has to be done routinely in order to see if your recovery plan works without flaw. Without testing, you may never know if your recovery plan will work until you need it the most. Finding the time to test can be a challenge and it's especially challenging if you don't have a separate test environment.

### **The Solution:**

Utilizing Zerto and Acronis Cyber Protect Cloud for backup and recovery, Net3 can perform non-interruptive failovers and recovery tests in minutes. With little to no downtime, spin up in minutes and verify recovery efforts.

# The Solutions



## Challenge #4: Ransomware is Scary

Ransomware and other cyberattacks have businesses of all size and industry, on edge. Maintaining a solid security stance has never been more critical, which includes having a reliable backup and recovery strategy.

### The Solution:

Acronis provides multiple protection layers to protect running workloads against ransomware from day zero. Zerto allows rollback in minutes to ransomware free restore points that can be vetted before committing. This allows quick rollback to find another failover point before failover.



## Challenge #5: End Users Complain

Poor backup scheduling can have a heavy impact on the end users experience. Laggy servers, slow internet, and crawling file shares are all evidence that you might be having a backup overrun into production hours.

### The Solution:

Acronis has built-in performance throttles that can reduce the amount of service tickets you are seeing. Apply performance restrictions for CPU and bandwidth at both the backup and replication phases of the backup plan.



## Challenge #6: Endpoint Backup is Impossible

Endpoint backup with end users can be challenging because we can't force people to use predefined folders and network shares for important data. Users can and will place data in unprotected spots that we as IT people, don't necessarily know about.

### The Solution:

Acronis can solve for this by running a data protection scan on any endpoint. This identifies all locations that contain file extensions we care about, like office files and CAD drawings. Once the location is identified, Acronis alerts us if it is not within the backup scope and prompts us to protect that location.

# The Solutions

## Challenge #7: Backup Takes too Long

Backup storage is slow. It's built to be slow, simply because with slow disk we can afford to build in more capacity - and backup needs a LOT of capacity.

### The Solution:

Fortunately, we realize that slowness is not conducive to a good user experience and results in loud, angry customers. Zerto DRaaS never touches backup storage, everything is stored on production level disks that provide the IOPS needed for your workloads.

To make it even better, you can customize what kind of storage the recovery disks are on! Need faster IOPS for that SQL DB? Run it on pure NVME Flash. Need cheaper storage for that 10 TB file server? Run it on hybrid storage, and allow your end users most frequent data to be cached in flash while the untouched storage sits in spinning disk. Lots of options, and plenty of flexibility with Net3. This allows us to bring these machines online quickly, with the IOPS they require to provide good performance for your application workloads.

## Conclusion

A lot of IT professionals can face these backup challenges, but with Net3 Technology's Backup as a Service - IT teams can become confident in their backup solution. The benefits of working with Net3 includes: thorough onboarding and training, customized Disaster Recovery runbook, a dedicated team of engineers, the ability to spin up in our cloud during a DR event, 24/7/365 U.S. based support, 2 free DR tests per year, and unlimited transactions to and from PvDC cloud.

Download our [Backup Checklist](#) to help you get started. If you have any questions about Acronis Cyber Protect Cloud for Backup or Zerto for Disaster Recovery, contact [sales@n3t.com](mailto:sales@n3t.com) or [Request More Info](#) to speak with a Net3 Engineer.