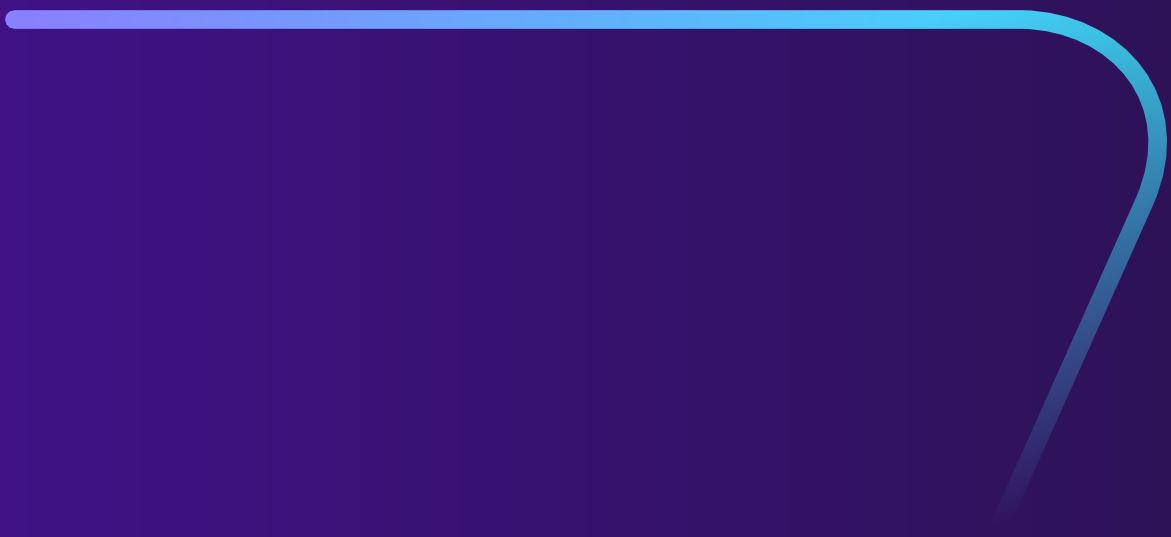# HYCU

Global Manufacturer of Electronic Components Turns to HYCU for Backup

Introduction

TT Electronics is an award–winning provider of design–led, advanced electronics technologies for performance–critical applications in specialized markets such as healthcare, aerospace & defense, and automation & electrification. With 27 design and manufacturing facilities and offices in the UK, North America, Sweden, and Asia, TT Electronics' roots run deep. Since the company's founding from W.Tyzack, Sons, and Turner in 1812 as a supplier of steel tools and scythes to today, TT Electronics' mission is to solve technology challenges for a sustainable world by developing solutions that are cleaner, smarter, and healthier.

With a focus on operational excellence, reliability, and value to its customers, TT Electronics' leading-edge technologies, platforms, and methodologies are designed to deliver everything you need to bring your global product to market faster. With a smarter, faster, further approach they can think globally and act locally delivering the flexibility to switch production between regions, based on their customers' needs and requirements.

"I needed a solution which worked natively with our technology stack and one that I was confident in their ability to migrate to a hybrid-cloud instance in the near future."

Rhys Cleverly - Head of Architecture
TT Electronics

Challenge

As a leading manufacturer of electronic components and end-to-end manufacturing services with a global footprint, TT Electronics was faced with the challenge of implementing a new backup solution that could integrate with their Nutanix-based hybrid cloud infrastructure, but also have the foundation and innovation to migrate to the public cloud as the company evolves and new needs arise.

"I needed a solution where I was familiar with their on-prem experience and confident in their ability to migrate to a hybrid-cloud instance in the future", said Rhys Cleverly, Head of Architecture at TT Electronics. "Being a manufacturer on a global scale means lots of data must be kept onsite. As things eventually move to the cloud having automatic cloud migration capabilities is a necessity and having the tools to support us through this is invaluable."

While the existing legacy backup solution was meeting existing needs, with where Cleverly and his IT team needed to move in the near-term, there was a need to re-evaluate solutions.

The team, responsible for all new tech coming into the company, reviewed new system requirements, and made a list of near-term requirements as well as what was needed to address future needs.

After Cleverly and his team developed a comprehensive evaluation process that included basic requirements and minimum standards for a base backup solution, they narrowed items down to must-have, should have, and nice-to-have features.

Solution

TT Electronics' decision to implement a new backup solution was solidified by an initial POC evaluation with HYCU followed by a review from the Architecture review board. After the proof of concept was engaged and tested onsite, it was evident that HYCU met all their requirements and more. "For us, it was a "no brainer" because we were able to store more compressed, encrypted backup data on disks which gave us the ability to recover immediately" emphasized Cleverly. "There were immediate results, and our backup time was cut in half. This was a big win for us because not only is it a direct value back to the team, but it's direct value back to the business."

From a TCO perspective, TT Electronics is also reaping significant rewards. "We are saving so much from the HYCU solution. Previously, on some of our sites, we would have to wait until late Sunday for the backup to finish to run patches. Now, we can move that to early Saturday which gave us a great amount of time back. This not only allowed us to save on operational costs, but it gave our employees their weekends back, which is a huge win for us", noted Cleverly.

The CIO at TT was already impressed with the POC, but one thing that often gets overlooked is the rollout time and impact to the business. Any concern that he might have had was quickly debunked as the entire rollout process from implementation to training was done in less than a month. "The speed of deployment had us fully set up in just under 1 month," reiterated Cleverly. "We had every site configured, we trained all the engineers on the sites and we held video calls with remote members of IT. HYCU really has changed the entire backup landscape at TT."

Cleverly continued, "Changing a backup vendor is always a big concern for a business. Will we be able to get our old backups back? Are we going to lose any time? Are we going to lose any backups?

"For us it was a "no brainer". HYCU gave us the ability to store more compressed encrypted backup data on disk affording us the ability to recover much quicker."

Rhys Cleverly - Head of Architecture
TT Electronics

The beauty of HYCU is that we can get most of the environment configured ready before moving to live. With HYCU, we installed the VM, created the target, clicked archive, we configured all the policies, pressed a button and it was done. There were no effects on production activity or downtime. It was so nice and easy and seamless."

From a support side, Cleverly and his team was also impressed. "The support from the HYCU team was second to none," noted Cleverly. "The staff jumped on calls ASAP and were extremely knowledgeable in answering our questions. We've established a great relationship with the HYCU customer success and support teams, and they have been brilliant throughout this transition."

Outcome

The first phase for TT Electronics was to get the rollout. The second phase is to expand on their DR process which will use the backup from replica and test the DR through the process. Over the next month or so, they will be looking to expand to the cloud to back up SharePoint data and potentially mailbox VIPS.

"In the future we plan to move even more to the cloud" says Cleverly. "Next year will be about exploring what it takes to move more applications into the cloud and with HYCU, we can be sure we can backup the instance as needed".

With 27 global sites with 550 servers being backed up, TT Electronics has plenty of room to grow.

"There were immediate results, and our backup time was cut in half. This was a big win for us because not only is it a direct value back to the team, but it's direct value back to the business."

- Rhys Cleverly, Head of Architecture at TT Electronics

"The support from the HYCU team was second to none," noted Cleverly. "The staff jumped on calls ASAP and were extremely knowledgeable in answering our questions. We've established a great relationship with the HYCU customer success and support teams, and they have been brilliant throughout this transition."

Rhys Cleverly - Head of Architecture
TT Electronics

www.hycu.com