



TENCATE AND HEWLETT PACKARD ENTERPRISE

Keeping firefighters, soldiers, and
police officers protected

A multinational textiles technology company, TenCate Protective Fabrics provides fabric to emergency response, military, industry, and more. Multiple sites across the globe and a complex IT infrastructure mean TenCate needs data solutions that provide both protection and migration so it can keep making the fabrics that offer professionals safety, comfort, and confidence.

By safeguarding their IT environment, TenCate protects the professionals who protect us

TenCate Protective Fabrics faced significant challenges in managing its complex IT infrastructure, which created operational inefficiencies and reduced productivity. The company needed protection and migration solutions for a diverse range of virtual machines (VMs) and applications, including virtualized databases, infrastructure VMs, and VMs hosting web applications.

Protecting against cyberattacks

TenCate experienced two CryptoLocker ransomware attacks, one before implementing HPE Zerto Software and one after. The first attack before deploying HPE Zerto hit a manufacturing facility, infecting all the file servers. TenCate's only recovery method at that time was to restore from disk. Ultimately, the company lost 12 hours of data and took two weeks to recover. The second attack, occurring after TenCate partnered with Hewlett Packard Enterprise hit directories on a file server in a manufacturing facility. This time, TenCate lost only 10 seconds of data and recovered in under 10 minutes. Since then, TenCate has relied on HPE Zerto protection as well as enhanced end-user training on suspicious activity to prevent further attacks. Jayme Williams, senior systems engineer for TenCate, says, "During the last attack I was kind of laughing during the recovery honestly. I knew I had a way out, I was confident, and my heart didn't sink. I chose a recovery point a few minutes before the infection, tested for the VM being clean and connected the vNIC — back to work. I didn't go home worried, stressed, or depressed."



Vision

Improve disaster recovery and ransomware protection while adopting a hybrid cloud model

Strategy

Optimize cloud strategy, protect and migrate data efficiently, and move from a regional to a global manufacturing site model

Outcomes

- Protects VMs and applications with 6 second RPOs
- Recovers from a ransomware attack in under 10 minutes
- Simplifies data migration across cloud and on-premises data centers

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– Jayme Williams, Senior Systems Engineer, TenCate Protective Fabrics



Adopting a new cloud strategy

Collaborating with HPE helped TenCate shift its hybrid cloud environment from on-premises into AWS and then into Microsoft Azure. TenCate faced challenges in managing its production workloads in a complex environment. TenCate chose HPE to address these challenges and as a result, was able to effectively protect and migrate critical VMs and applications as well as provide robust disaster recovery to the public cloud. When TenCate made the decision to shift from AWS to Azure, it used HPE Zerto to move workloads from AWS to on-premises, and then from on-premises to Azure. HPE Zerto support for the Azure solution made moving to Azure an easier decision for TenCate. Williams says, “We can go with whatever public cloud we want because we have Zerto in place for business continuity and migration support. I know it works, I trust it, and I’ve used it. So, we weighed our options and we went down the Azure route. Looking at my Zerto panel, the longest RPO I’ve got is six seconds. Without this solution, we would have to back up from yesterday, which means we lose 24 hours, plus however long it takes to get to a remote site restored,

get it back the way you like it, turn it on, and you’re back in production. With Zerto, you click ‘move’ and 10–15 minutes later it’s in production.”

Migrating made easier

TenCate also enjoys simpler migrations with HPE Zerto. The company used to operate as a regional model with each business entity together on one network. When TenCate altered its strategy to a more horizontal, global business model, the company used HPE Zerto to break every entity off into its own domain. “We also used it when we disentangled, when everybody had to split all the VMs out into their separate business entities. We used it to port the VMs over to their infrastructure before severing ties with their domain,” said Williams. TenCate Protective Fabrics experienced remarkable results after partnering with HPE, witnessing a significant boost in efficiency and smooth integration of its IT infrastructure. HPE Zerto solutions allow the company to protect and migrate data efficiently, and power their continued mission of protecting service professionals.

“Disaster recovery is a whole lot easier, quicker, and a lot more user friendly. I still take on the ownership of the platform, but it’s not a daily grind. Looking at my Zerto panel, the longest RPO I’ve got is six seconds.”

– Jayme Williams, Senior Systems Engineer, TenCate Protective Fabrics



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