

**Objective**

Move its infrastructure, servers, and legacy applications without investing in data center build costs, and transform legacy applications to cloud-ready and deploy them on hybrid cloud

Approach

Engaged with HPE to transition 176 legacy applications to the cloud, adopting a hybrid cloud approach of public and private environments

IT Matters

- Lower capital and operational costs
- Reduce physical IT assets
- Free up resources and capacity
- Provide better service continuity and minimize service interruptions

Business Matters

- Enable move to corporate headquarters without investing in data center build costs
- Transform legacy applications to cloud-ready and deploy on hybrid cloud
- Improve the solution development lifecycle and bring new products to market quickly and nimbly
- Foster innovation by allowing teams to focus on new, differentiating projects in a competitive marketplace
- Provide better service and experiences to both internal and external customers
- Build a long-term relationship with HPE to bring innovation to Trustpower

Moving legacy applications to an HPE Helion hybrid cloud

Multi-utility service provider frees up resources to expand services to customers and reduce costs



Matt van Deventer
Head of Technology
Trustpower



When you're in business for more than 22 years, you tend to accumulate a lot of technology. Now imagine that you're moving this well-entrenched headquarters to a new location. Imagine further that you serve more than a quarter of a million multi-utility customers of

Internet, electricity, and gas as New Zealand's fourth largest Internet service provider (ISP). Moving your infrastructure and servers to the cloud—rather than lugging them along with you physically—sounds like a very attractive proposition. For Trustpower, it certainly was.

“The attractive thing about HPE Helion was the maturity of the hybrid cloud proposal and the proven record of HPE: our long-time trusted partner.”

— Matt van Deventer, Head of Technology, Trustpower

Tend to a growing infrastructure

Trustpower owns and operates 34 power stations, generating 100% of its electricity using renewable energy sources such as hydro-electric and wind farms. Founded in 1993, Trustpower and its staff of 500-plus employees serve more than 260,000 customers in New Zealand and Australia.

The company’s infrastructure had grown in tandem with its 22-plus years in business, which meant that it had a fractured, siloed ecosystem consisting of many inflexible and non-scalable legacy applications and hardware. Outgrowing its headquarters, Trustpower was planning to move them to a new location within the same city of Tauranga, New Zealand. It decided to use that opportunity to also move its infrastructure and servers to the cloud.

“Our infrastructure has grown with the business in our building, which isn’t ideal for a lot of reasons,” says Matt van Deventer, Head of Technology, Trustpower. “There are a lot of legacy applications and hardware around, and it’s not really sustainable. Making changes and scaling is more painful and takes longer than it should. We decided that anything new we build would be in the cloud, and that we’d move our legacy environments as close to the cloud as we could get them.”

Assessing applications

Trustpower engaged with HPE to transition its legacy applications to the cloud. HPE reviewed more than 350 applications and determined that 176 applications were relevant to the cloud, assessing which could be migrated easily and which required transformation.

“HPE was able to demonstrate better than anyone else that they’d done it before and that they had a really robust and mature architecture to go through every application and determine suitability for the platform and how to get it onto that platform,” says van Deventer. “That’s pretty comforting.”

“We had a look at quite a few players,” says Simon Clarke, General Manager of Business Solutions and Technology, Trustpower. “At the end of the day, HPE has been a long-term partner with us and we were very happy with the proposition that they put to us.... It was just about the relationship and also the technology around the application transition that was really, really attractive to us.”

Since certain applications would be too critical or not well suited to a pure cloud environment, Trustpower decided on a hybrid approach in which some would move into collocated environments, others into private cloud, and the rest into public cloud. In response, HPE Enterprise Services carried out a full application migration and upgrade program.

Choosing a hybrid approach

“The attractive thing about HPE Helion was the maturity of the model and the proven record that HPE, who is a long-time trusted partner of ours, has,” says van Deventer. “HPE’s experience with moving similar application workloads into the cloud was probably the defining point of our decision.”

Trustpower centralized on HPE Helion CloudSystem Enterprise to provide a better quality service at a lower cost. HPE Helion CloudSystem Enterprise will also be providing Trustpower with flexible deployment options for its private cloud. HPE BladeSystem c7000 Enclosure, HPE ProLiant DL360 and DL380 Servers, and HPE ProLiant BL460c Gen9 Server Blades, HPE 3PAR storage, and HPE 5900 top-of-rack switches are supporting its infrastructure.

“We base any technology decision on three things: the right technology, the right relationship, and the right price,” says van Deventer, “We really like that the technology is built on open source and open standards and that HPE has embraced this new way of doing things.”

Case study

Trustpower

Industry

Energy, generator and reseller of power/gas, broadband, fibre, and telecom services

Customer at a glance

HPE Helion Cloud solution

- Managed private cloud/Managed virtual private cloud

Hardware

- HPE BladeSystem c7000 Enclosure
- HPE ProLiant DL360 and DL380 Servers
- HPE ProLiant BL460c Gen9 Server Blades
- HPE 5900 top-of-rack switches
- HPE 3PAR StoreServ 7200c

Software

- HPE Helion CloudSystem Enterprise

Services

- HPE Workload and Advisory Transformation Services
- HPE Infrastructure Consulting Services
- HPE Cloud Consulting
- HPE Datacenter Care
- Application migration services

Resources

[Cloud Computing – HPE Helion](#)

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– Matt van Deventer, Head of Technology, Trustpower

To address those applications that would be suitable for the public cloud, Trustpower chose Microsoft® Azure for its public cloud platform. HPE is providing a number of services for Trustpower, including:

- Supporting private cloud elements with HPE Datacenter Care
- Designing and migrating the data center, and providing project management using HPE Technology Services
- Migrating applications with HPE Enterprise Services
- Transforming applications to the cloud through HPE Workload and Advisory Transformation Services

“The goal is to provide better service to our customers whether they’re internal or external, to free up my team...to do the exciting and fun stuff,” says van Deventer. “It will give my team the opportunity to get more into the cloud space. For our customers we should be able to provide a more stable platform, reduce our ongoing costs, and deliver new products to market faster.”

He talks about what’s on the horizon after the initial project. “After April 2016, the shackles of traditional infrastructure will be off and if we want to spin up 1,000 instances of a Hadoop cluster or some sort of Big Data and predictive analytics project we’ll be able to do that,” says van Deventer. “That’s what the business is really thrilled about, and the opportunities that the cloud offers are pretty exciting.”

At liberty to move further into the cloud space

In the upcoming months, Trustpower will complete the process of transitioning applications into a live environment. The company is expecting to be able to bring new products to market quickly and nimbly since it won’t have to wait on IT to provision infrastructure. It will also free up resources and capacity to enhance customer service, as well as reduce capital and operational costs.

Learn more at hpe.com/helion



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