

# VIRTUAL DATA CENTRE

## HYDRO ONE TELECOM CAN HELP YOU SEAMLESSLY ADOPT CLOUD SERVICES

We know that Virtual Data Centres (VDCs) are increasingly popular because of their ease of deployment, cost effectiveness, security, scalability and reliability. That's why Hydro One Telecom (HOT) offers a secure multi-tenant public cloud as part of its Infrastructure as a Service suite of services.

In a VDC environment, the software application is decoupled from the hardware, allowing the flexibility to operate multiple IT workloads on a shared pool of infrastructure resources.

By leveraging VMware cloud technology, our VDC provides cost-effective virtual computing capabilities, including workload scalability and both scale-out and scale-up tuning, together in one agile, robust and flexible cloud-based platform that's truly enterprise-ready.

### WHY IT MATTERS

With the proliferation of applications and data, physical data centre resources and capital budgets have been stretched thin. In fact, one of the biggest problems facing data centres today is exponential growth. So it's no wonder that virtualization is increasing in popularity. After all, the ability to run more workloads on less hardware presents an attractive option for efficiency and cost-reduction.

*"By 2025, 80% of enterprises will have shut down their traditional data center, versus 10% today."*

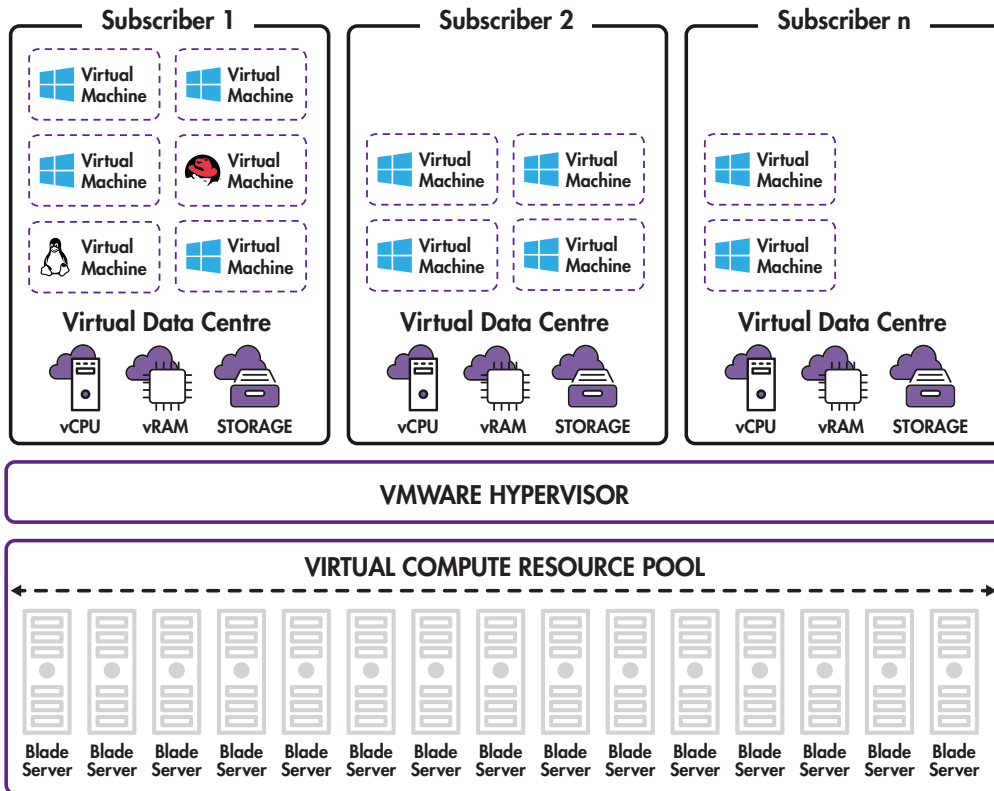
Gartner, "The Data Center is Dead, and Digital Infrastructures Emerge," David Cappuccio, April 2018

HOT's VMware-powered multi-tenant VDC provides the easiest and most seamless way for enterprises to adopt cloud services. Our clients can leverage our VDC together with one of our backup or replication services for a holistic solution, all from a single provider.

As interconnect services, cloud providers, the Internet of Things (IoT), edge services and SaaS offerings continue to proliferate, the rationale to stay in a traditional physical data centre topology will have limited advantages. HOT can help you determine what is best for your business now, and in the future, and work with you to evolve to where you want to be.

## HOW IT WORKS

HOT's VMware-based VDC offers effective segmentation and isolation of your assets and resources within a multi-tenant environment, which allows you to securely separate workloads at the application level while effectively managing costs. Our solution is resource-based, with no over-subscription or arbitrary virtual machine host-sizing. This means that you can allocate resources as needed into a completely isolated VDC with contracted amounts of compute and storage resources allowing you to build virtual servers of different sizes based on your specific requirements. In fact, we offer three different levels of storage within these VDCs: SSD/Flash (Tier 0), High-Performance HDD (Tier 1), and Write-Optimized Archive HDD (Tier 2).



### TOP REASONS TO CHOOSE HOT'S VDC

- Accelerated and simplified migration
- Increased security = less risk
- Less downtime and no disruption
- Automation and governance
- Improved ROI
- 100% data sovereignty
- Predictable pricing
- Exceptional customer service

## FEATURES OF HOT'S VIRTUAL DATA CENTRE

HOT's VDC solution delivers powerful and reliable features and functionality, including:

- **Fully certified VMware stack:** VMware-certified and enterprise-ready cloud infrastructure that's easy to deploy and manage using native VMware tools
- **Scalable, high-performing storage:** Redundant N+2 network infrastructure and compute capabilities ensure high availability
- **Fixed and predictable pricing:** Maintain control over your costs, with no hidden fees. You're billed for reserved computing resources rather than usage, which can be unpredictable with certain workloads
- **Support for all carrier connectivity:** Although HOT can provide your network connectivity directly, we also work with all national and many regional carriers. As your needs increase, we can help you scale up
- **Integrate your own assets:** Flexible service delivery infrastructure allows you to incorporate your legacy devices (servers or firewalls), which can then be connected to your public cloud infrastructure
- **Comprehensive data sovereignty:** HOT is 100% Canadian owned and operated. As such, your data remains in Canada and is governed by Canadian privacy laws, which inhibit foreign access

To learn more about HOT's Virtual Data Centres and other offerings, please contact us at [HOTSales@HydroOne.com](mailto:HOTSales@HydroOne.com) or (866) 345-6820 to speak with a Sales Representative. Stay connected with us by joining our email list at [www.HydroOneTelecom.com](http://www.HydroOneTelecom.com).