

Disaster Recovery as a Service (DRaaS): Mid-size Manufacturer (Belleville, Ontario)

BACKGROUND:

An auto-parts supplier operates a 7x24 manufacturing plant that designs and produces products for automobile companies, needed a disaster recovery plan for their IT infrastructure. As IT is mission-critical to plant operations, a solution was required that would allow them to quickly restore systems and data if there was a catastrophic failure or loss of service.

OUR ASSIGNMENT:

The client tasked our team to develop a comprehensive Disaster Recovery solution that would allow them to restore critical systems in a minimal amount of time with little to no data loss, based on company Recovery Time Objectives (RTO).

THE SITUATION:

Over the past three years, the client has virtualized their core business server applications to improve local availability and performance of their IT workloads. This enables them to better manage and support their IT systems with greater flexibility for growth but does not address business continuity in the event of a disaster.

THE CHALLENGES:

- The client had very little capital budget
- Corporate policy mandated the plant to maintain a business continuity capability
- The client had no secondary location to host a DR solution
- Internal resources to manage a DR solution were minimal

DRaaS is an affordable monthly subscription service which allows the client to avoid capital expenditures.



ZYCOM CORE COMPETENCIES ON THIS PROJECT:

- Project Management
- DR Analysis, Design & Planning
- Virtualization & Private Cloud
- Data Replication
- Network Security

TECHNOLOGY ELEMENTS OF PROJECT:

Layer 2 & 3 Networking, VPN Security, Managed Tier-3 Data Centre, Off-Site data Replication software, Secure Private Cloud resources

OUR SOLUTION:

Zycom Technology implemented a Disaster Recovery as a Service (DRaaS) solution. The solution replicates a synchronized, full copy of all critical virtual machine (VM) workloads through a secure VPN tunnel to an off-premise partition of Zycom's Private Cloud infrastructure at a Tier-3, Canadian data centre.

The client was assigned VM processor, memory, and storage resources in a fenced network for testing and fail-over operations. DRaaS is an affordable monthly subscription service which allows the client to avoid capital expenditures. As an off-premise private cloud solution, the client also avoids the need to find a secondary datacenter to host fail-over equipment. And finally, because the DR solution helps automate recovery, there is no need to assign IT staff to manage the DR infrastructure.