

All-in-One Hyperconverged Solution

Digital transformation is crucial for companies of all sizes and industries to stay ahead of competitors or just to stay competitive. Companies demand agile, simple and flexible infrastructure to excel in delivering customer values and innovation, and to improve how they engage with their customers.



Powered by Hitachi Data Systems

The Challenges

- **Complex silo architectures:** Traditional silo architecture is hard to implement, operate and manage.
- **Ever-increasing IT operational cost:** Traditional IT infrastructure requires multiple skills and the support of multiple vendors.
- **Slow time to market:** Traditional IT infrastructure needs to deploy and test individual components separately.
- **The Rise of Hybrid Cloud Usage:** Hybrid Cloud can bring great savings to an organization, however, it introduces a certain degree of complexity and increases IT operational cost.
- **High burden for disaster recovery:** Disaster recovery infrastructure, disaster recovery drill and operation practices to ensure the success of disaster recovery.

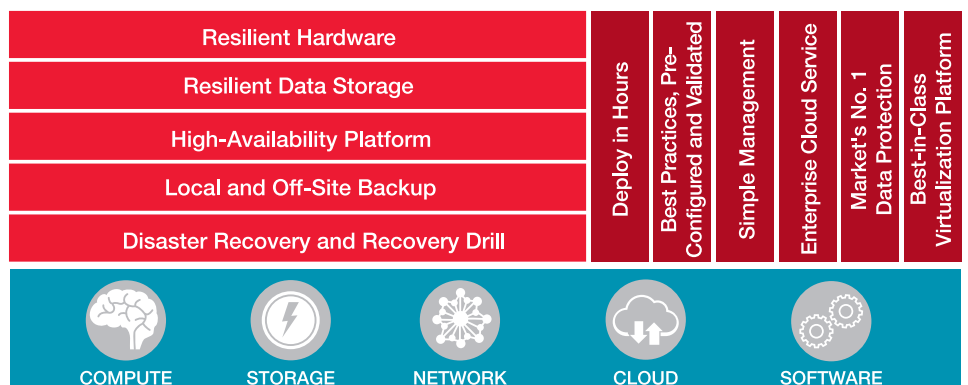
An All-in-One Hyperconverged Solution

TGgo offers a turnkey infrastructure consisting of computing virtualization, software-defined storage, TGgo cloud management portal, cloud backup and cloud disaster recovery. The solution is built for organizations of any scale to run their workload in an optimized, high-performance and cost-effective enterprise platform.

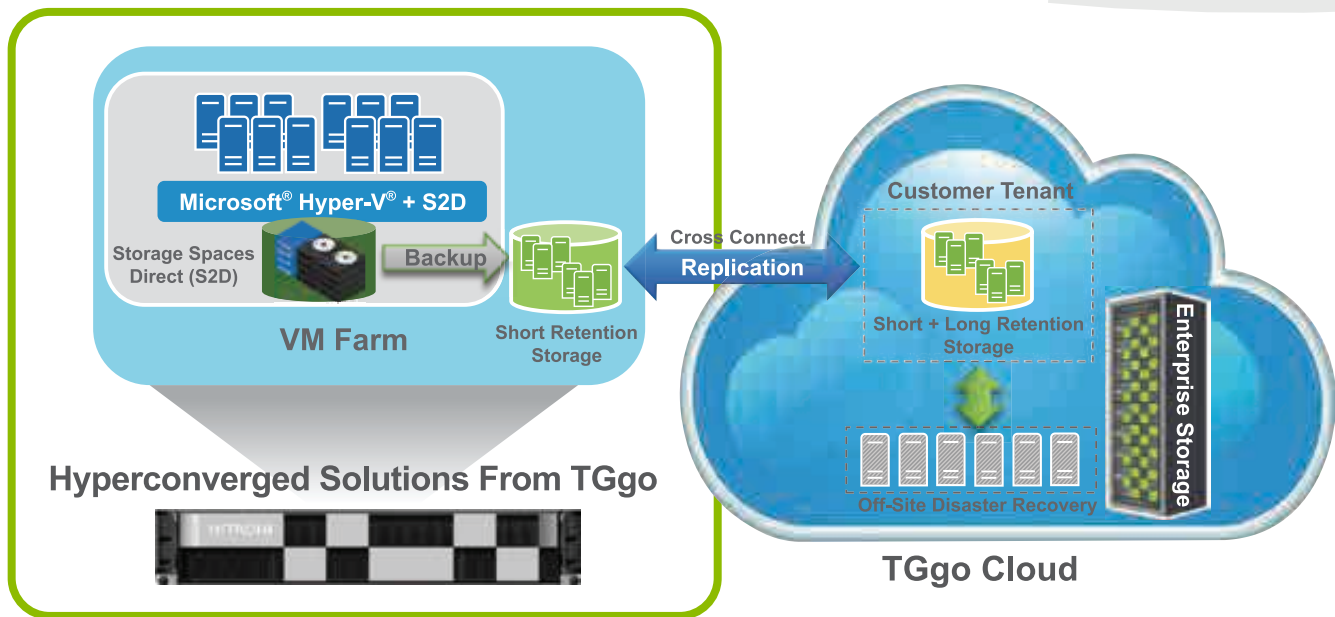


Ready to Run in Minutes

This all-in-one hyperconverged solution is a 2U rack-optimized, ready-to-run hyperconverged appliance. The appliance is factory pre-validated and pre-tested to reduce the complexity of design and planning. The entire process of powering up the appliance, virtual machine (VM) provisioning and getting backup done locally and to the cloud takes just minutes, giving organizations the ability to quickly respond to business requirements.



All-in-One Hyperconverged Solution



TGT Data Centre

Cloud Backup and Disaster Recovery

The solution comes packaged with local and off-site backup to ensure that critical data is well protected. Backup to the appliance is done locally as a short retention to enable quick restores. It is also replicated to the TGgo Cloud Services for long retention and disaster recovery purposes. Deduplication and compression are applied to the backup replication to minimize the bandwidth requirement. As a cloud-based solution, it does not require capital expenditure (capex) on backup hardware or need to set up a disaster recovery site. This approach provides a risk-free disaster recovery service to the IT organization.

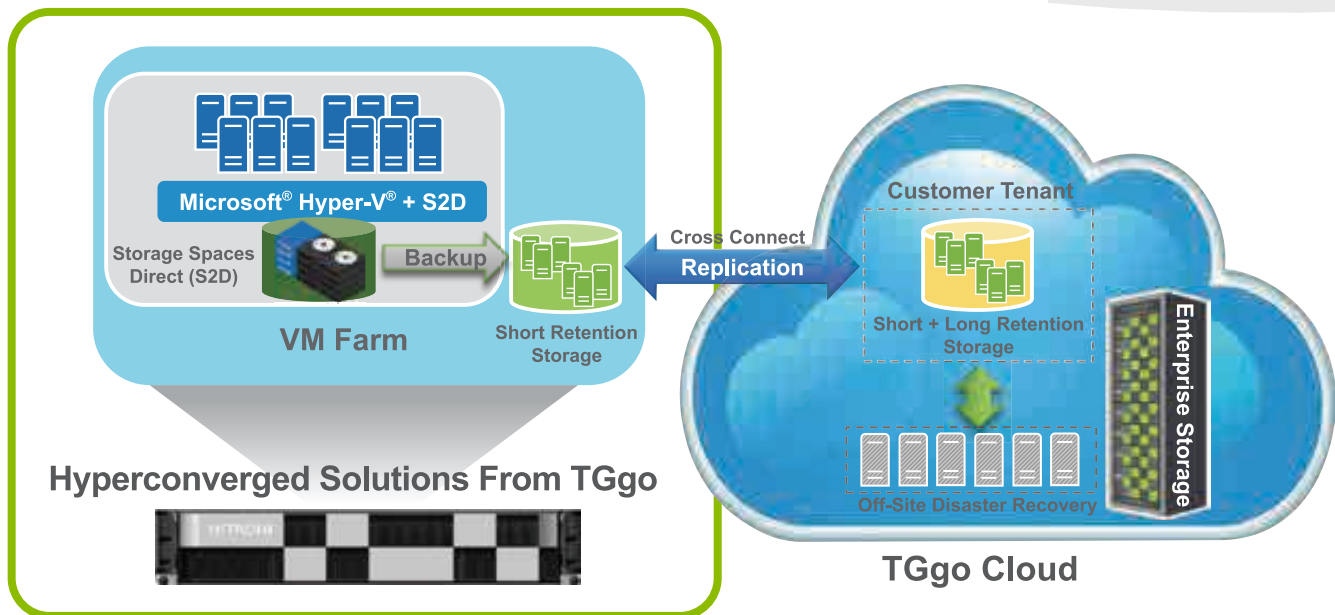
To facilitate familiarity and assurance of a successful disaster recovery procedure, the all-in-one hyperconverged solution includes a one-time cloud disaster recovery drill. During the practice run, the organization

experiences, first-hand, the ease of failover during a disaster and how to resume business at the disaster recovery site with minimal disruption.

One Stop Shop by TGgo with Managed Service

Towngas Telecom (TGT), mother company of TGgo, is running two data centres in Hong Kong and 4 data centres in China. Together with the ability to provide network connectivity and public cloud services, TGgo is a One Stop Shop to provide Hyperconverged Solutions with data centre to host the all-in-one physical server, network connections to connect server to customer's office and to connect server to public cloud to form hybrid cloud. The all-in-one hyperconverged solutions can be complemented with remote managed infrastructure support and backup services, thus allowing IT to focus on more strategic projects and initiatives.

All-in-One Hyperconverged Solution



TGT Data Centre

Cloud Backup and Disaster Recovery

The solution comes packaged with local and off-site backup to ensure that critical data is well protected. Backup to the appliance is done locally as a short retention to enable quick restores. It is also replicated to the TGgo Cloud Services for long retention and disaster recovery purposes. Deduplication and compression are applied to the backup replication to minimize the bandwidth requirement. As a cloud-based solution, it does not require capital expenditure (capex) on backup hardware or need to set up a disaster recovery site. This approach provides a risk-free disaster recovery service to the IT organization.

To facilitate familiarity and assurance of a successful disaster recovery procedure, the all-in-one hyperconverged solution includes a one-time cloud disaster recovery drill. During the practice run, the organization

experiences, first-hand, the ease of failover during a disaster and how to resume business at the disaster recovery site with minimal disruption.

One Stop Shop by TGgo with Managed Service

Towngas Telecom (TGT), mother company of TGgo, is running two data centres in Hong Kong and 4 data centres in China. Together with the ability to provide network connectivity and public cloud services, TGgo is a One Stop Shop to provide Hyperconverged Solutions with data centre to host the all-in-one physical server, network connections to connect server to customer's office and to connect server to public cloud to form hybrid cloud. The all-in-one hyperconverged solutions can be complemented with remote managed infrastructure support and backup services, thus allowing IT to focus on more strategic projects and initiatives.

All-in-One Hyperconverged Solution

Backup and Disaster Recovery

Reliable Data Protection Infrastructure

- Hybrid backup solution with short-term retention copies kept locally in customer site and longer-term retention copies kept offsite in the TGgo Cloud.

Modernized Tapeless Backup Approach

- Backup copies always online and available for restore at any time.
- Reduced data restoration time leading to a better recovery time objective (RTO).
- Reduced operation cost and data loss exposure; no physical tapes to manage.

Bottomless Backup Capacity

- Data backup locally to on-premises storage and also replicated to bottom less cloud storage.
- Consumption model with unlimited scalability for data protection.

Optimized Backup Performance for the Enterprise

- Enhanced backup network throughput performance with advanced technologies such as backup deduplication, changed block tracking, forever incremental and synthetic full backup capabilities.

Disaster Recovery to Cloud

- Cloud backup copies of VM images can be restored to the cloud at any time for disaster recovery purposes.

Optional Remote Managed Infrastructure Support Service

- 24/7 call center service:
 - A central point of contact for incident reporting.
 - Record and status update of all incidents.
- 24/7 monitoring services:
 - Hardware monitoring.
 - Backup and DR infrastructure monitoring.

Available Packages

	Economic	Standard	Advanced
All-in-One	2 Compute Nodes	3 Compute Nodes	3 Compute Nodes
Compute Node			
Processor	8 Core Processor per Node	8 Core Processor per Node	2 x 8 Core Processor per Node
Memory	128GB RAM per Node	128GB RAM per Node	256 GB RAM per Node
Storage	8TB Raw Capacity per Node		
Data Protection Node			
Storage	8TB Usable		
Cloud Backup	5TB Cloud Backup subscription for 1 year		
Cloud Disaster Recovery	Cloud DR entitlement for 1 year with 1 DR drill		
Public Cloud Services	Public Cloud Services subscription for 3 months		

Contact Us:

- ☎ (852) 2963 3667
- ☎ (852) 2963 3524
- ✉ info@towngastelecom.com
- 🌐 www.towngastelecom.com | www.tggo.com.hk

