

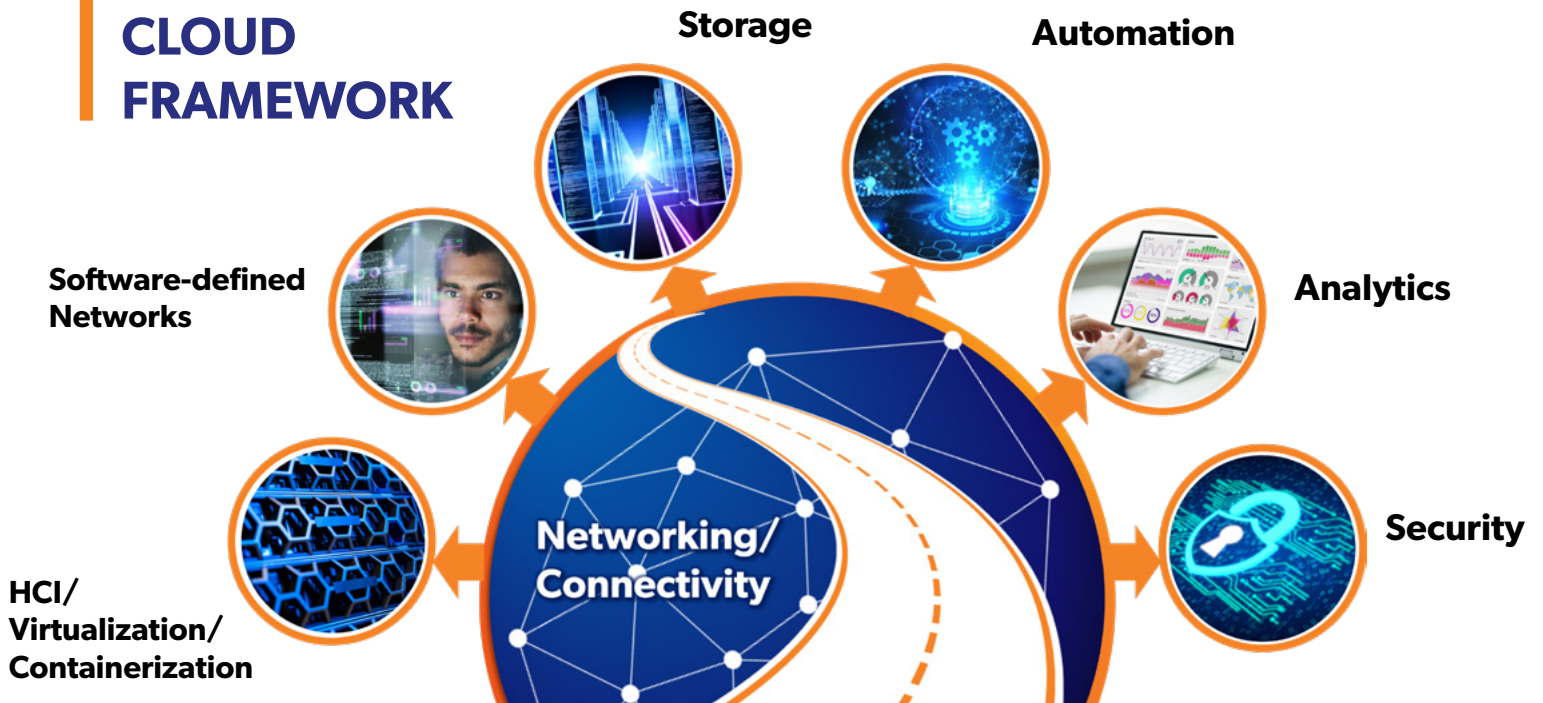
# Optimizing On-premises, Public Cloud & Private Cloud Resources

The vast majority of organizations have adopted a hybrid IT infrastructure that combines on-premises, public cloud and private cloud resources. **Modern Cloud** allows organizations to take advantage of the benefits of the public cloud while keeping certain mission-critical and legacy workloads on-premises. Organizations can also utilize private clouds to maintain strict security controls and keep public cloud costs in check.

However, combining these three distinct environments can create challenges for in-house IT staff. Many IT teams lack the skills to determine what mix of resources best meets their organization's needs. They must also implement tools that streamline management and enable automation, along with a "network superhighway" that ensures efficient connectivity among various platforms.

Technologent has proven expertise across cloud architectures, edge environments and the traditional data center stack. Our engineers help customers select and implement the right on-premises and cloud technologies to support today's workloads and provide a foundation for digital transformation. The result is a highly available and secure environment that reduces complexity and streamlines operations.

## MODERN CLOUD FRAMEWORK



# Modern Cloud Solutions

## Hyperconverged Infrastructure, Virtualization and Containerization

On-premises data centers remain an essential part of the IT environment, providing onsite infrastructure for critical applications that aren't well-suited for the public cloud. However, data centers must become more agile to support today's dynamic workloads. Organizations are also looking to blur the boundaries between on-premises and public cloud environments, and to gain cloud-like flexibility, scalability and resilience throughout the IT infrastructure.

Technogent helps customers transform their on-premises data centers with highly virtualized and automated technologies that are cost- and usage-efficient. With hyperconverged infrastructure (HCI) platforms, organizations can reduce complexity and deploy workloads as easily on-premises as in the cloud. Enterprise applications can be consumed like any other cloud service and managed seamlessly across the distributed enterprise. HCI also abstracts and pools resources, and allocates them dynamically to virtual machines or containers.

## Software-defined Networks

As organizations develop, test and deploy applications across multiple data centers and clouds, they need a flexible and manageable network that enables greater efficiency, visibility and insight. But while other technology domains have made the shift to software-defined technologies, the network is still largely managed on a box-by-box basis.

Technogent's experienced and certified network engineers help organizations create software-defined networks that deliver the agility, resiliency and security to support their hybrid IT environments. Management tasks are automated via software and a single network console enables consistent configuration management and policy enforcement. These solutions relieve network management headaches and reduce operational costs while improving reliability and security, increasing visibility and enabling rapid scalability.

## Storage

Legacy storage technologies consume a lot of staff resources, with significant manual effort involved in provisioning and management. Skyrocketing data volumes have exacerbated these challenges, creating significant roadblocks to digital transformation initiatives. Organizations need a future-proof storage infrastructure with streamlined operations and high levels of automation.

Technogent helps organizations take advantage of software-defined storage solutions that enable the integration and holistic management of various storage technologies. Storage resources are pooled and allocated from a centralized console, eliminating the need for overprovisioning. Manual configurations are automated for greater agility and flexibility. Software-defined storage works alongside hybrid cloud storage, enabling near-infinite scalability to meet growing demand.

## Security & Analytics

In today's threat environment, security can no longer be bolted on after a project is complete. A highly secure infrastructure plays a critical role in reducing risk and ensuring the availability of mission-critical systems, applications and data. Organizations must ensure that security is baked in — from the data center to the cloud.

With a comprehensive security practice built on proven methodologies, Technogent is uniquely positioned to help organizations secure their hybrid IT environments. Our experts help identify gaps and compliance risks and implement tightly integrated controls that are capable of identifying and responding to complex threats. Analytics plays a key role, leveraging big data capabilities and threat intelligence to detect anomalies and rapidly respond to events and alerts.

# Modern Cloud Solutions (Cont.)

## Automation

Many organizations are struggling to extend operational processes across on-premises and cloud platforms. Repetitive tasks such as provisioning and configuring resources, deploying applications, and distributing updates are often handled manually. This makes them slow and prone to error, which could hamper application availability and create security risks.

Technologent's experts help organizations use cloud automation to reduce reliance on human intervention. Administrators codify deployment and management processes so that automation tools can perform these processes, saving time and ensuring that every deployment follows best practices and meets policy requirements. Cloud orchestration tools facilitate the management of workloads that operate across multiple environments

## Data Protection

Data protection is often a primary driver of hybrid IT implementation. Hybrid IT facilitates business continuity and disaster recovery operations by enabling offsite replication of virtual machine images, applications and data. However, IT teams often lack visibility into IT resources scattered across physical and virtual servers and multiple cloud instances, making it difficult to manage the environment and meet their data protection objectives.

Technologent helps organizations overcome these challenges and design a data protection environment that minimizes the risk of business disruption. Our engineers can develop an effective data protection strategy and architect a solution that's designed specifically to work in a hybrid IT environment. We also help ensure that data can be recovered quickly, and that workloads seamlessly failover to the hot site in the event of a disruption