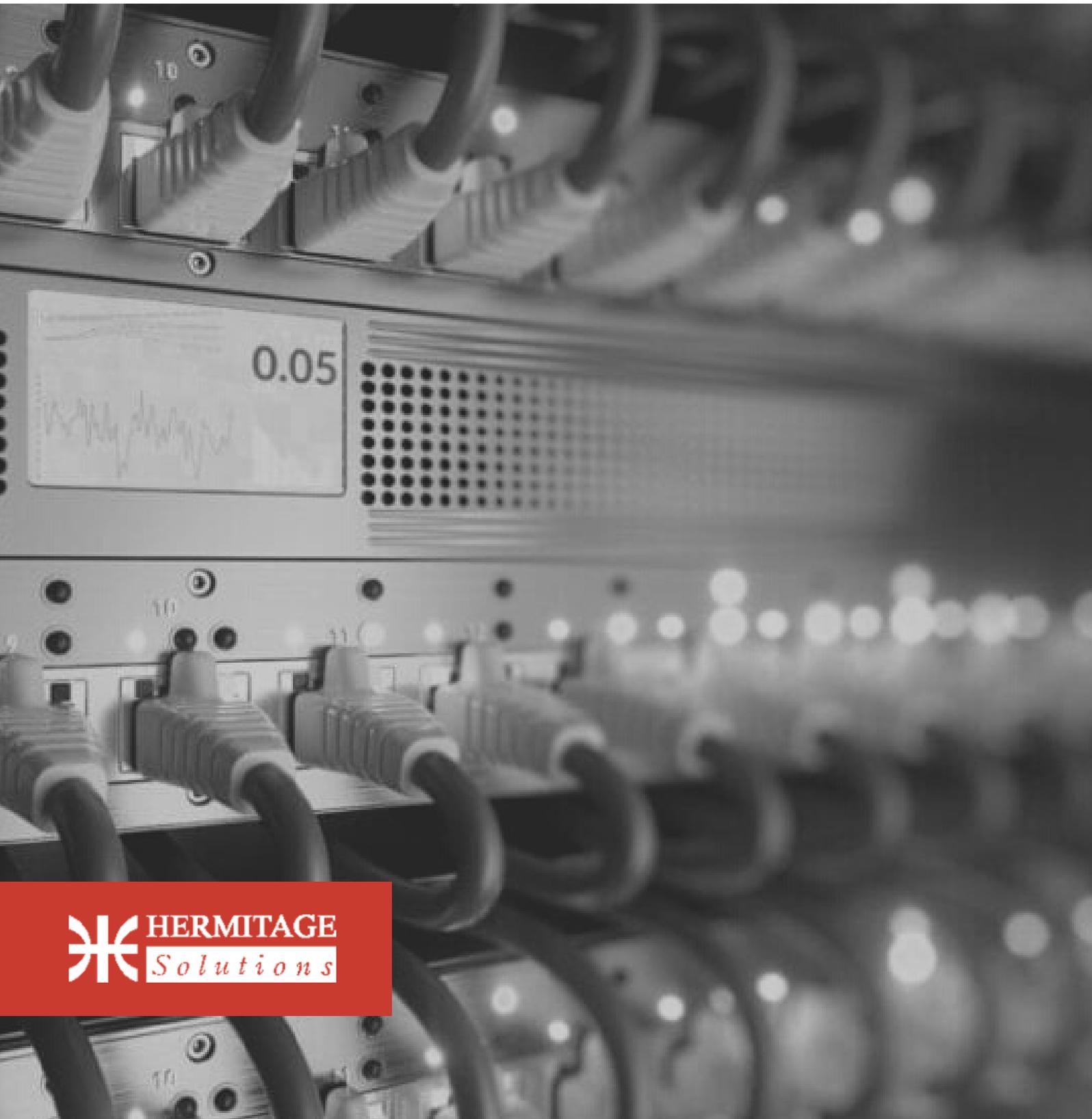


# CHECKLIST

## IT INFRASTRUCTURE FOR DIGITAL TRANSFORMATION





# INTRODUCTION

Digital transformation is becoming a higher priority, CEOs and even the board of directors are getting involved. In response, growing numbers of organizations are forming cross-functional working groups charged with identifying digital initiatives that drive innovation, increase efficiencies, and improve customer engagement.

However, the backbone for this revolution always will be **IT infrastructure**. It is impossible for organizations to harness the benefits of **digital transformation** without establishing the building blocks that make it possible.

But how does this backbone look like in practice as we think of **technological solutions**?

**This whitepaper explores goals for modernizing core IT infrastructure such as network, mobility and virtualization.**

**As well as offers a checklist of requirements for technology solutions to help organizations develop IT infrastructure that transforms.**

## HOW IT INFRASTRUCTURE SUPPORTS DIGITAL TRANSFORMATION

While digital transformation requires new approach to organizational structures, workforce skill sets, business processes it all starts with three main projects in IT infrastructure - **network**, **virtualization** and **mobility**. Let's explore why.

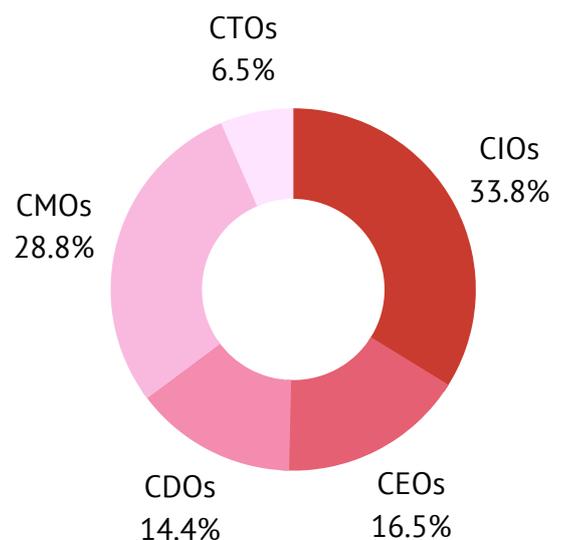
## NETWORK

Network transformation is essential if organisations are to harness connected workforce or **Internet of Things** applications.

Physical elements of a network such as routers and switches will be replaced by Software-Defined Networking, which enables the rapid rollout of new services without the need to replace equipment. Meanwhile **edge computing** will bring processing power closer to the point of data collection, reducing latency and filtering network traffic.

The intelligent edge will not only aid IoT, but it will also reduce latency for sensitive applications such as Augmented Reality, Virtual Reality and Artificial Intelligence.

## CALLING THE FIRST SHOT



WHO DOES INITIATE DIGITAL TRANSFORMATION?

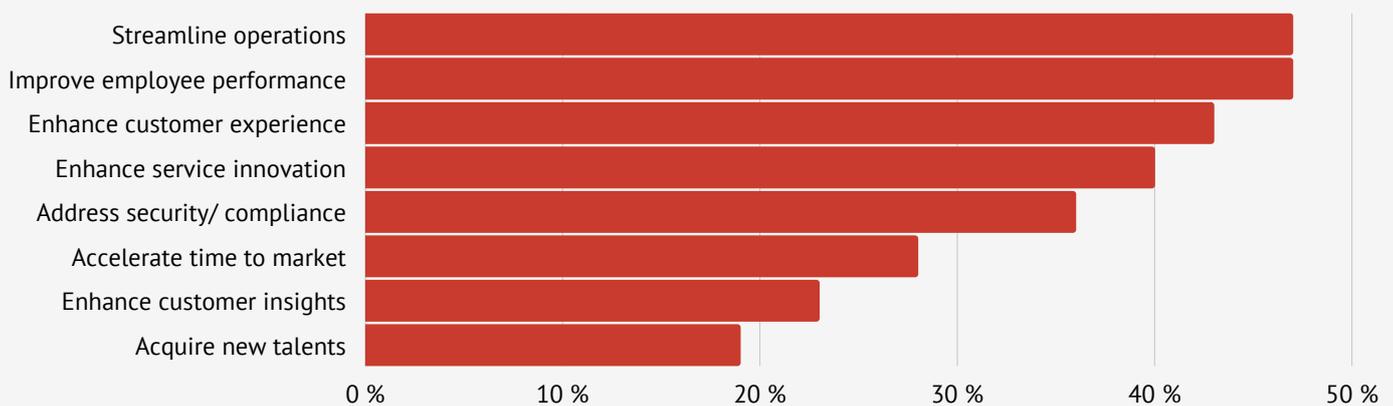
SOURCE: CONSTELLATION RESEARCH, "2018 DIGITAL TRANSFORMATION STUDY: DIGITAL TRANSFORMATION EFFORTS YIELD POSITIVE ROI", JANUARY 2019

## INFRASTRUCTURE

In order to **compete in the market**, businesses and data centers will demand scaling out quickly, reducing the total cost of ownership and having better **security protection**. Therefore IT management will have to rethink the way they architect their IT infrastructure.

**Customer behavior** that needs to be provisioned faster will bring the need for infrastructure that is adaptable to dynamic will shift. And the answer for many will lay in virtualization or even hyper-converged infrastructure (HCI).

### PRIMARY DRIVERS



SOURCE: TECHTARGET IT PRIORITIES SURVEY 2019

## MOBILITY

Mobile will become even more important in the era of digital transformation. The advances above in cloud and networking technologies will enable staff to access company data and applications wherever they are, but organizations will need to have the right mobile strategy in place.

Regardless of whether a Bring Your Own Device (BYOD), Choose Your Own Device (CYOD) or Corporately Owned Privately Enabled (COPE) is in place, organizations will need to **increase visibility, control and security of devices that have access to the company's digital assets**. To do this, the organization will need to adopt mobile application management (MAM) platform.

# CHECKLIST OF REQUIREMENTS FOR TECHNOLOGY SOLUTIONS

## NETWORK SHIFT

Networks and digital transformation comes to one central realization: it is imperative to provide cloud-style agility, experience and operational simplicity for on-premises data center networking.

Additionally, flat IT budgets are demanding lower TCO to attain cloud-style economics, flexible deployment models and open architecture in a multi-vendor data center environment. With the technology this all can be achieved.

Check the list of requirements to make sure that the technological solution you consider can transform your company's network.

## CHECKLIST

- Empower with self-service for on-prem data centers as offered in public cloud
- Deliver cloud style Network-as-a-Service for all private cloud via built-in network automation
- Guarantee service availability by circumventing any single point of failure
- Remove operational complexity via centralized policy, provisioning, operations and visibility
- Scale without subjecting the enterprise to manual design and deployment

## ENABLE MOBILITY

Enabling mobility to embrace digital transformation means increasing visibility, control and the security of all corporate as well as personal devices that have access to the company's digital assets.

Mobile Device Management (MDM) solution enables organizations to increase visibility, control and the security of their devices as well as data.

Check the list of requirements to make sure that the technological solution you consider will be sufficient to enable mobility.

## CHECKLIST

- Separate business data in a secure container
- Allow remotely configure and install applications on the devices
- Encrypt all data and communication apps
- Monitor the usage of your business devices
- Provide Bring Your Own Device (BYOD), Choose Your Own Device (CYOD) or Corporately Owned Privately Enabled (COPE) modes

## HYPER-CONVERGED INFRASTRUCTURE

IT infrastructure and digital transformation comes to a central realization: it is important to simplify infrastructure deployment and management and this can be done by introducing hyper-converged infrastructure (HCI) into the environment.

HCI solutions collapse traditional three-tier infrastructure by natively integrating compute, storage, networking, virtualization, management and data services to significantly reduce IT administrative tasks and create the foundation for a modern IT infrastructure.

Check the list of requirements to make sure that the HCI solution you consider is enough to drive digital transformation via simplification.

## CHECKLIST

- Reduce operational overheads at least up to 65 %
- Simplify application delivery and uptime
- Configure and manage edge applications and infrastructure centrally
- Provide investment protection for businesses