

# 3 Technological Impacts of the Pandemic

## Networks became as critical as power

01

The pandemic pushed networks to new levels with remote work, online shopping, online conferencing and online schooling. As a result, IP bandwidth demand has been higher than ever with unprecedented increases. Businesses should expect to have more choice in providing site to site and wireline connectivity to ensure they have always-on network capabilities. Organizations should look to leverage partners who have developed a national network of facilities where small deployments of compute and connectivity can reside so that their network infrastructure is enabled for the future.

## Edge computing got serious

02

IDC predicts we will be managing 175 ZB of data by 2025, and that more than 30% of that data will require real-time processing at the edge. Early enterprise and public sector adopters or businesses looking for very specific deployment locations will appreciate robust connectivity and a mix of quality for mixed deployments—distributed services but more centralized databases, for example. The edge will be critical for managing data gravity and latency in the future.

## Cloud computing demand reached all-time highs

03

The digital experience accelerates as customers and businesses found themselves needing more infrastructure. The need for companies to have someone else manage their compute became a critical aspect of the pandemic and accelerated the move to the cloud. Connectivity to the public cloud will be critical, and hybrid IT is the answer. As companies mature their cloud deployments, we can expect that some will continue to choose to right-size services into colocation or private cloud to control costs and improve security.

This new era demands low latency, high reliability networks to manage the explosive growth of data.

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