Intelligent infrastructure trends in 2020

The impact of data on infrastructure is accelerating. Infrastructure is supporting data for business intelligence and becoming a data source. As the hybrid cloud creates new challenges, the software-defined wide-area network is fundamental to adopting new connectivity technologies.

1. IT infrastructure: from multicloud to hybrid cloud
   Simultaneously managing workloads and data across hybrid cloud
   Managed services leveraging automation, AI and ML will address performance, cost and complexity challenges associated with multicloud.

2. Steps to take in 2020
   Optimize lifecycle management in a hybrid cloud environment
   Uncover which platform is best suited for each workload and plan a migration and data management strategy accordingly.

3. Connectivity at the edge
   Internet of Things requires more processing and storage at the edge
   By 2025, there will be more than 55 billion IoT devices, up from about 9 billion in 2017*.

4. Steps to take in 2020
   Have the right management framework for hybrid networks
   Focus on your SD-WAN strategy, software-defined access, and intent-based networking to drive more agility in upgrading your infrastructure.

5. Security becomes central to infrastructure design
   Security is no longer the domain of security specialists only
   The sheer scale of current threats moves security from ‘after the fact’ to ‘before the build’ in infrastructure design.

6. Steps to take in 2020
   Build in security from the start
   Adopting a ‘built-in’ instead of a ‘bolt-on’ approach will ensure that infrastructure is secure by design.

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