

3 Trends Transforming the Data Center

Data centers are becoming highly dynamic and complex. DevOps teams need to deploy new applications and services at the speed of light. Workloads and data are constantly moving across on-premises data centers and multi-cloud deployments.

Three trends are at the heart of this

transformation:



Digital transformation is driving enterprises to adopt technologies that support dynamic

1. Technologies requiring network elasticity and automation

workloads along with elastic networks that can scale on demand. The migration of big data from a batch processing function to a realtime service is a leading example.



Software-defined networking



Enabled by new application technologies, software releases have moved from once or twice per year to many times per day. New applications can have components

2. DevOps moving at the speed of business

that run on-premises, in the cloud and across hybrid clouds at the same time.







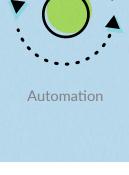
Workloads can now be orchestrated and provisioned in the data center and across the cloud. Applications can reside on-premises one day and in the cloud the next. New

3. Orchestration of workloads

orchestration tools allow workloads to be easily provisioned, deployed and administered.



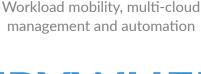






WORKLOADS ARE EVERYWHE





HYBRID CLOUD

IT



We surveyed

enterprise data center managers THIS IS WHAT THEY SHARED:

1.

2. Multi-cloud environment (35%) 3. Bare metal servers (22%)

Top 3 technologies to be deployed

in the next 12 months:

1. Virtualized infrastructure (68%)

- **Environment in which most** workloads run in the data center:

2. Virtualization (55%)

1. Multi-cloud workload portability (61%)

3. Software-defined networking (43%)







Ensuring business Reducing risk from threats

Top 3 data center manager priorities:



and breaches

wherever they go



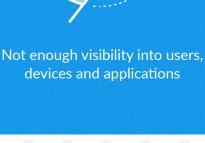
vulnerabilities, threats

and exploits

continuity



of respondents had at least one breach in the 18 months prior to the survey

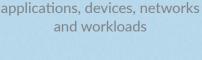


Reducing operational

complexity



SECURITY MUST TAKE CENTER STAGE



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