

IT as a service. From build to consume.

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Businesses are now moving a material portion of IT workloads to cloud environments. The impact will be considerable, for consumers and vendors of technology alike.

Enterprises will make a fundamental shift from *building* IT to *consuming* IT. The big takeaway: enterprises are planning to transition IT workloads at a significant rate and pace to a hybrid cloud infrastructure, with off-premise environments seeing the greatest growth in adoption. While cost is often perceived to be the main driver of this shift, research shows that benefits in time to market and quality are driving cloud acceptance, while security and compliance remain key concerns for adoption, particularly for large enterprises.

Drivers of and barriers to cloud acceptance

Benefits in time to market and quality drive considerations for cloud solutions, outweighing the benefits in cost. The Enterprise Cloud Infrastructure Survey revealed that security and compliance top the list of barriers to broader public cloud adoption and are the most important considerations when selecting service providers. Cost is the third most important element. Finally, interoperability with on-premise private cloud solutions is also an important criterion.

When it comes to selecting a cloud-service provider, companies are likely to choose “hyperscale” providers, such as Amazon, Google, and Microsoft, which have the largest capacity. Nearly half (48 percent) of large enterprises with off-premise workloads have handed off at least one workload to a hyperscale provider, and that number is expected to rise to roughly 80 percent by 2018. Enterprises have a clear preference for hyperscale providers because of the capabilities they offer, balanced with concerns about vendor lock-in.



To understand the implications of the shift from build to consume on the enterprise IT vendor landscape, consider the evolution in server instances and storage capacity shipped into on-premise enterprise data center environments, compared with off-premise cloud-service provider environments.

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