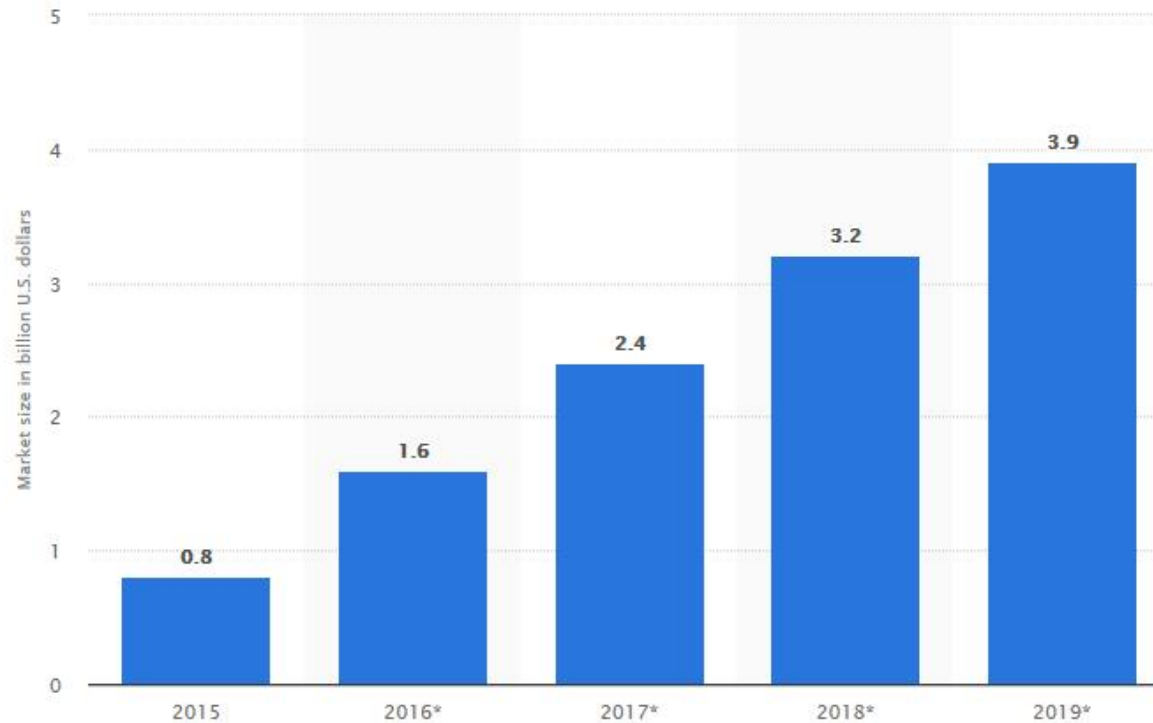


HCI: the modern platform

The global market for hyperconverged infrastructure



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HCI: the modern platform

The global market for hyperconverged infrastructure

- The HCI market is will set to expand at a robust CAGR of 43% to 2020
(2017, Market Research Future)
- Definitions
 - Converged infrastructure is a computing infrastructure approach combining the traditional discrete elements of compute, storage and networking.

It generally features:

- Distinct components
- Vendor pre-built and validated solutions
- Simplified support
- Reduced requirement for in depth technical knowledge per layer



HCI: the modern platform

- Definitions

- HCI is an infrastructure approach that relies on a software-controlled integration of compute, storage, networking, virtualisation and hardware resources, enabling management of all integrated resources from a single common toolset.

It generally features:

- Software-defined configuration and control
- Centralised management of pooled resources
- Ease of deployment and operation
- Highly scalable and sharable resources
- End-to-end solutions from a single vendor



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- According to Gartner:
 - Core capabilities of HCI products have evolved rapidly to become standardised
 - Vendors are now starting to introduce new functionalities:
 - Network automation
 - Artificial intelligence (AI)
 - Targeting new use cases:
 - Hybrid cloud deployments
 - Edge computing



HCI: the modern platform

According to Gartner, four key factors will shape the future of HCI:

- Prioritising vendors with strong hybrid cloud capabilities
 - Vendors are forming closer partnerships with public cloud providers to deliver more integrated services in the cloud
- Opt for lean and rugged platforms for edge use cases
 - Within two years vendors will support HCI on ruggedised server platforms, aimed at edge use cases (retail, mining, manufacturing). Infrastructure and operations leaders will favour vendors with lower TCO through support of lean hardware that can scale down effectively and support newer computing abstractions (containers)

"The ability of the infrastructure to adapt to workload needs and self-healing infrastructure will become critical,"

Arun Chandrasekaran



HCI: the modern platform

According to Gartner, four key factors will shape the future of HCI:

- Network automation is a priority
 - Vendors have largely treated networking as a 'dumb' interconnect, inhibiting problem resolution and SLA adherence, but it can be can no longer be ignored
- Vendors must apply AIOps to guarantee application SLAs
 - HCI is being evaluated as an on-premises and multicloud architecture, opening up a wide variety of choices for the placement of applications where artificial intelligence for IT operations (AIOps) will help optimise the resources

HCI: the modern platform

Thank you

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