

The Shift to Flash Storage and OpenStack in the Enterprise

The Data Center Becomes the Computer



Public Cloud Has Raised the Bar



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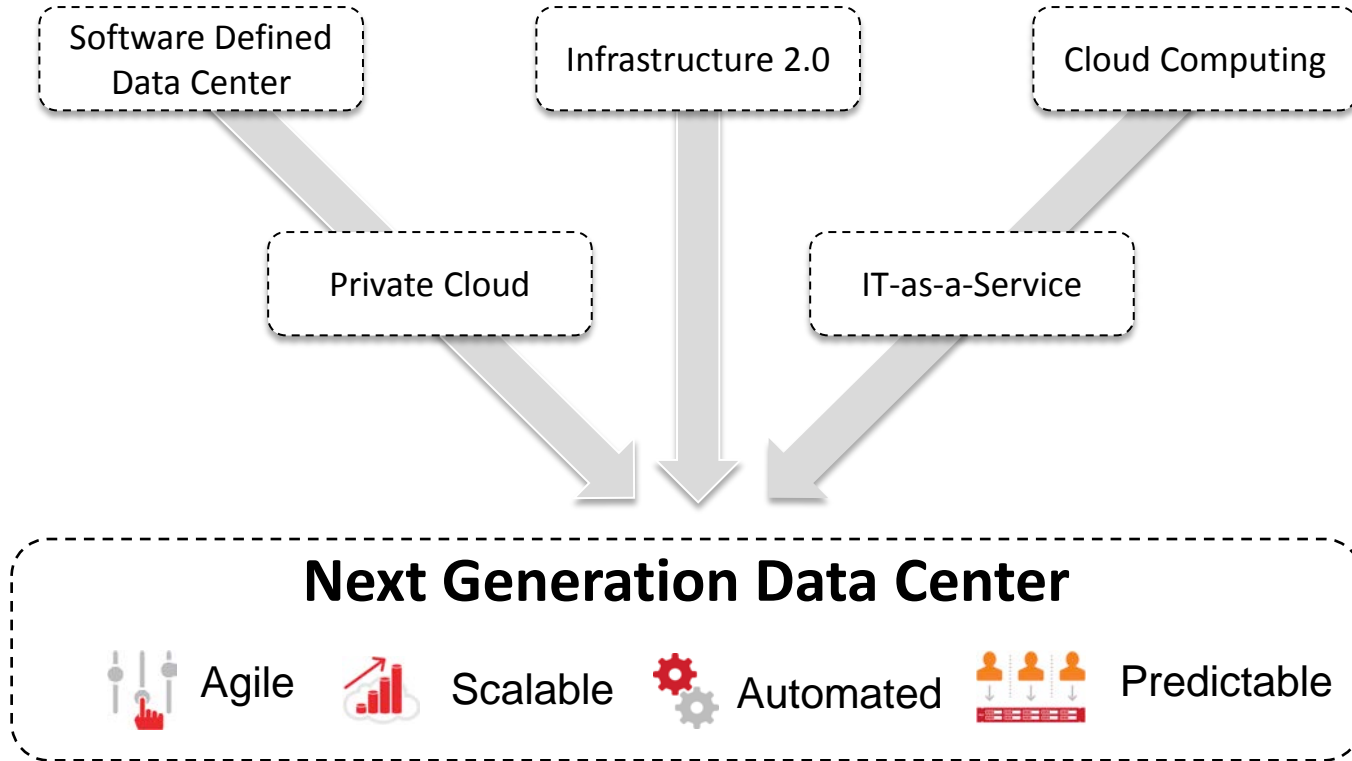
Entering a whole new world...

Legacy Data Center

Next Generation Data Center

Single Tenant	●→	Multi-tenant
Isolated work loads	●→	Mixed workloads
Dedicated Infrastructure	●→	Shared infrastructure
Scale-up	●→	Scale-out
Pre-provisioned capacity	●→	Capacity on demand
Hardware defined	●→	Software defined
Project Based	●→	Self service
Manual Administration	●→	Automation

Regardless of the name, desired outcomes are the same





openstack™

Enterprise
Adoption

- Deploy new applications and capabilities faster
- Provide more agile and scalable infrastructure
- Increase application performance and predictability
- Enable automation and end-user self-service
- Raise operational efficiency and reduce cost



Needs Better Storage

Performance

- Unable to manage performance independent of capacity
- Can not guarantee storage performance

Efficiency

- Low and inefficient utilization rates
- Lack of high performance in-line data reduction

Management

- Complex manual management that lacks automation

Scale

- Limited scalability of both capacity and performance
- Manage multiple islands of storage

Flash is a
means, but
needs to solve
more than
IOPS

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The Next Generation Data Center

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