

WHAT IS REALLY POSSIBLE IN A MULTI-CLOUD WORLD?

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Agenda

- Rackspace Introduction
- What is Cloud?
- Cloud Strategy
- A Multi-Cloud Setup
- Wrap-Up



RACKSPACE INTRODUCTION?

A little bit about ourselves here...



DATA CENTERS

12 Worldwide



GLOBAL FOOTPRINT

Customers in 150 Countries



PORTFOLIO

Dedicated • Hybrid • Cloud



EXPERTS

6,000 Rackers
3,000+ Cloud Experts



REVENUE

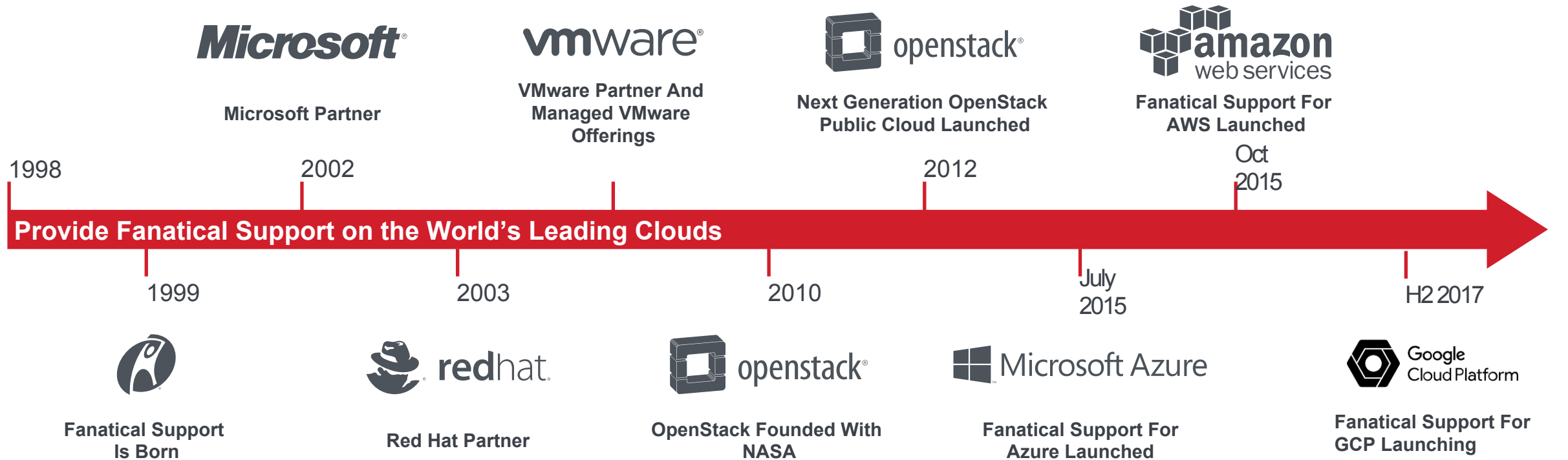
Over \$2B in
Annual Revenue



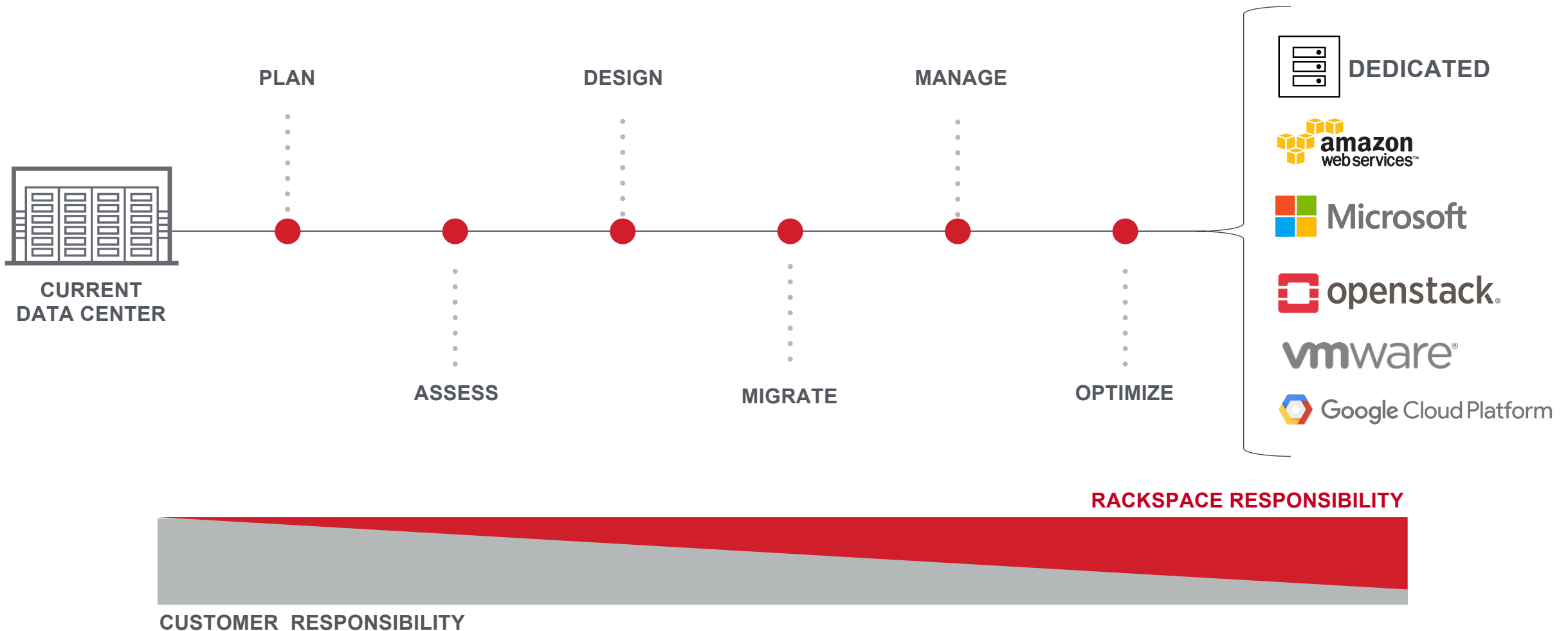
FORTUNE 100

We serve over ½
of the Fortune 100

Our evolution over time



What we do for our customers?





WHAT IS CLOUD?

Getting on the same page

Is this cloud?



NIST definition

Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

5 Essential Characteristics

- On-demand self-service
- Broad network access
- Resource pooling
- Rapid elasticity
- Measured service

3 Service Models

- Software as a Service
- Platform as a Service
- Infrastructure as a Service

4 Deployment Models

- Private Cloud
- Community Cloud
- Public Cloud
- Hybrid Cloud

Source: <http://csrc.nist.gov/publications/PubsSPs.html#800-145>

Think cloud – think agile





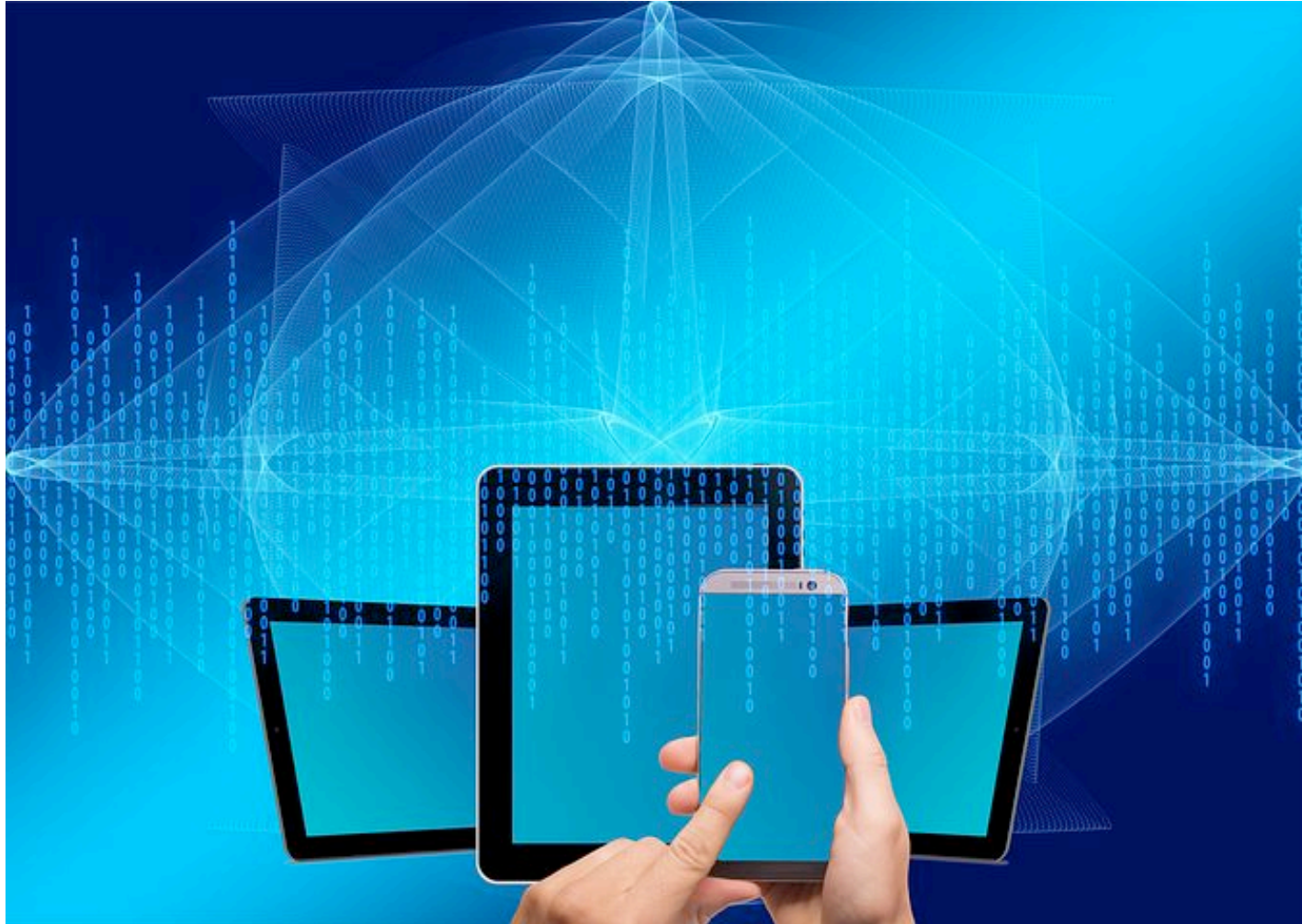
CLOUD STRATEGY

And the considerations every organization needs to make

Why are we here today?



Digitalization – the next industrial revolution



The simple equation behind cloud



Costs



Output



Economic Value

So how many clouds should I use?



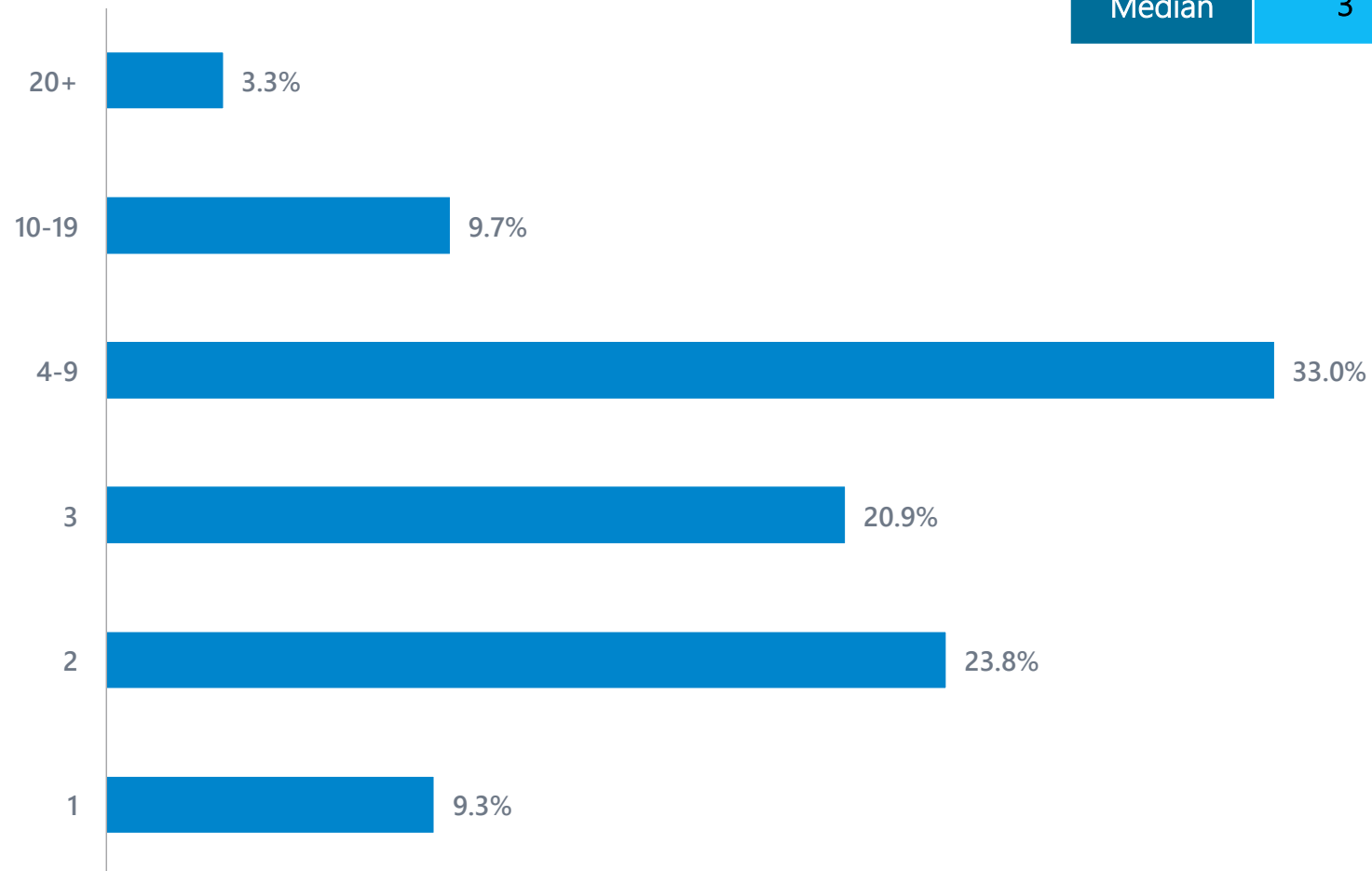
Number of Hosting & Cloud Service Providers in Use

All Respondents

Q31. How many service providers currently supply your organization with hosting and cloud services, including infrastructure, SaaS and hosted applications, and related security, managed and professional services?

Source: 451 Research, Voice of the Enterprise: Hosting & Cloud Managed Services, Organizational Dynamics 2016

Mean	5
Median	3



Percent of Sample

n = 421

What impacts my cloud strategy?



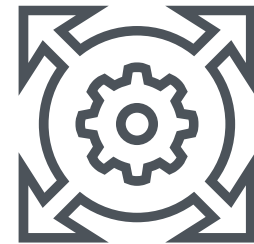
Company

- Industry regulations
- Compliance & security
- Procurement policies
- Strategic considerations



People

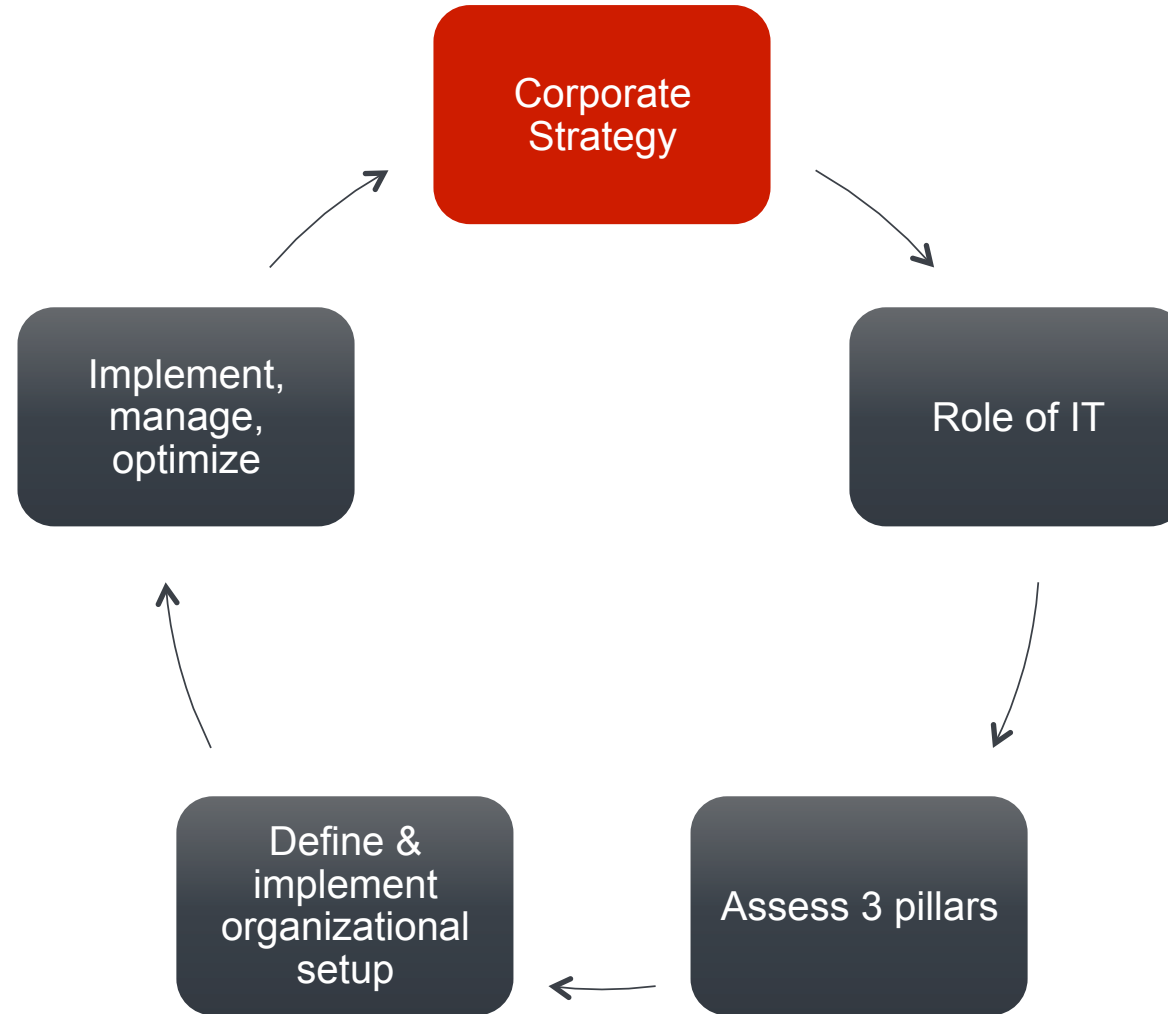
- Employees
- Organizational design
- Right skills
- Resources



Technology

- Applications
- Tools
- Platforms

Developing your Cloud Strategy





A MULTI-CLOUD SETUP

And the considerations you will have to make...



SaaS

When and where this model makes sense...

A basic guide to SaaS...

Use Case Assessment

- Business Function
- Operational Importance
- Strategic Differentiation
- Compliance / Legal



General Use Cases

- HRMS
- CRM Systems
- Collaboration Tools



Why a SaaS Solution

- Limited customization is required and possible; front end / user focused
- Access is important, but unavailability will not be business critical
- Strategically it will not differentiate the company from the competition
- Compliance and legal concerns are generally manageable



APP & CLOUD HARMONY

Sitecore - A case for a single matching IaaS platform

What is Sitecore?

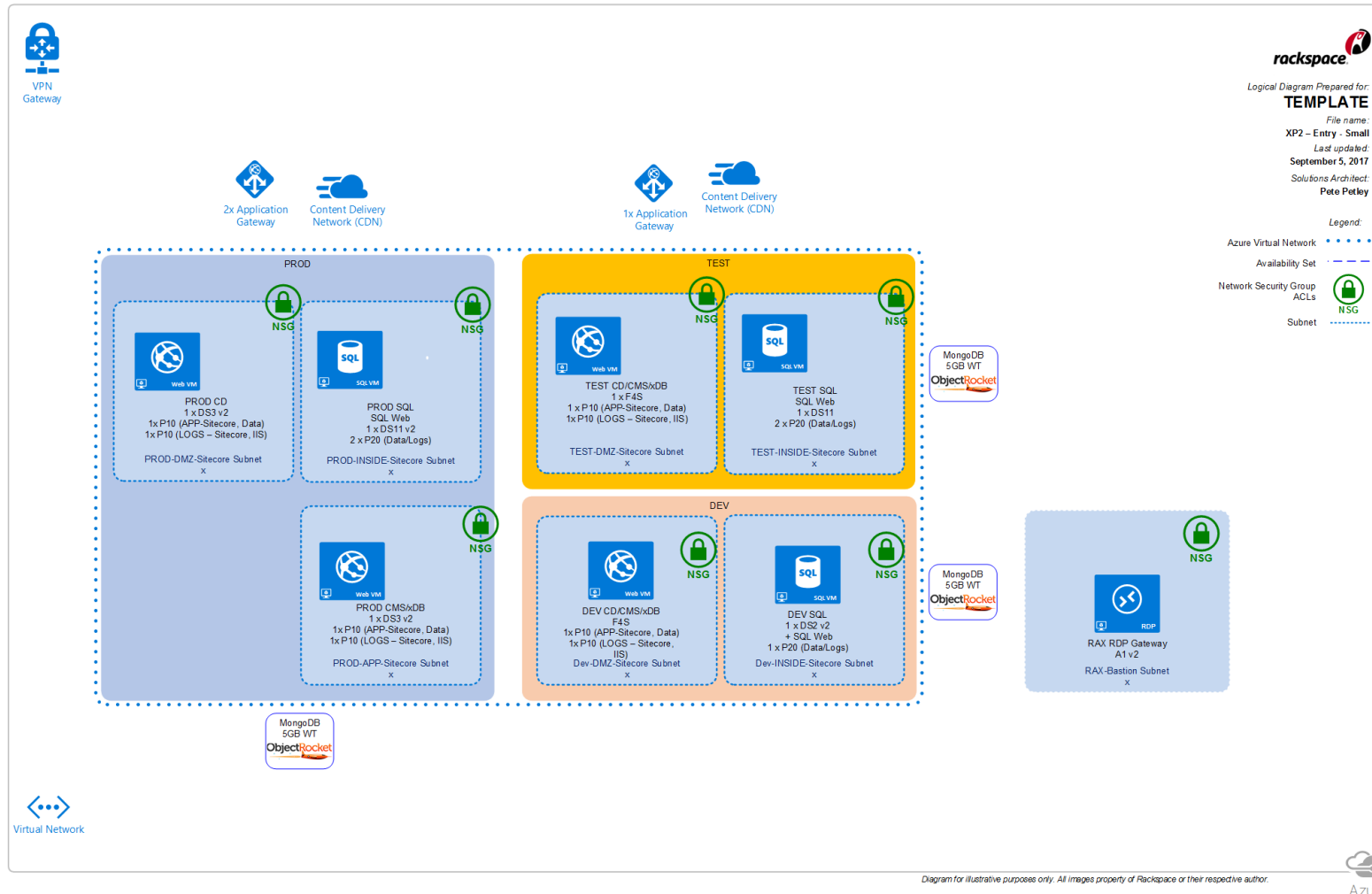
Key Features

- A web content management platform from Denmark
- It is web content management, commerce and digital marketing combined in one platform
- It is based on the .net framework
- Microsoft is their premier technology partner when it comes to platform technology

Gartner Magic Quadrant for Web Content Management



A basic architecture example



- Use of Azure components
- Use of MS products that works best on Azure
- Ability to compliment with external cloud technology (OR)
- Take advantage of new applications features based on native Azure features



laaS & PaaS

Private, Public, and Hybrid

Now let's talk about IaaS and its key factors

- Infrastructure operated through an API
 - GUI, Command Line or Web Services
- Broad range of features depending on service provider
 - Ultimately: Storage, Network and Compute
- API is specific to the service provider
 - E.g. AWS, GCP, OpenStack
- Provides most flexibility for consuming cloud services
 - Greater reliance on tools and your own standards and procedures



110v

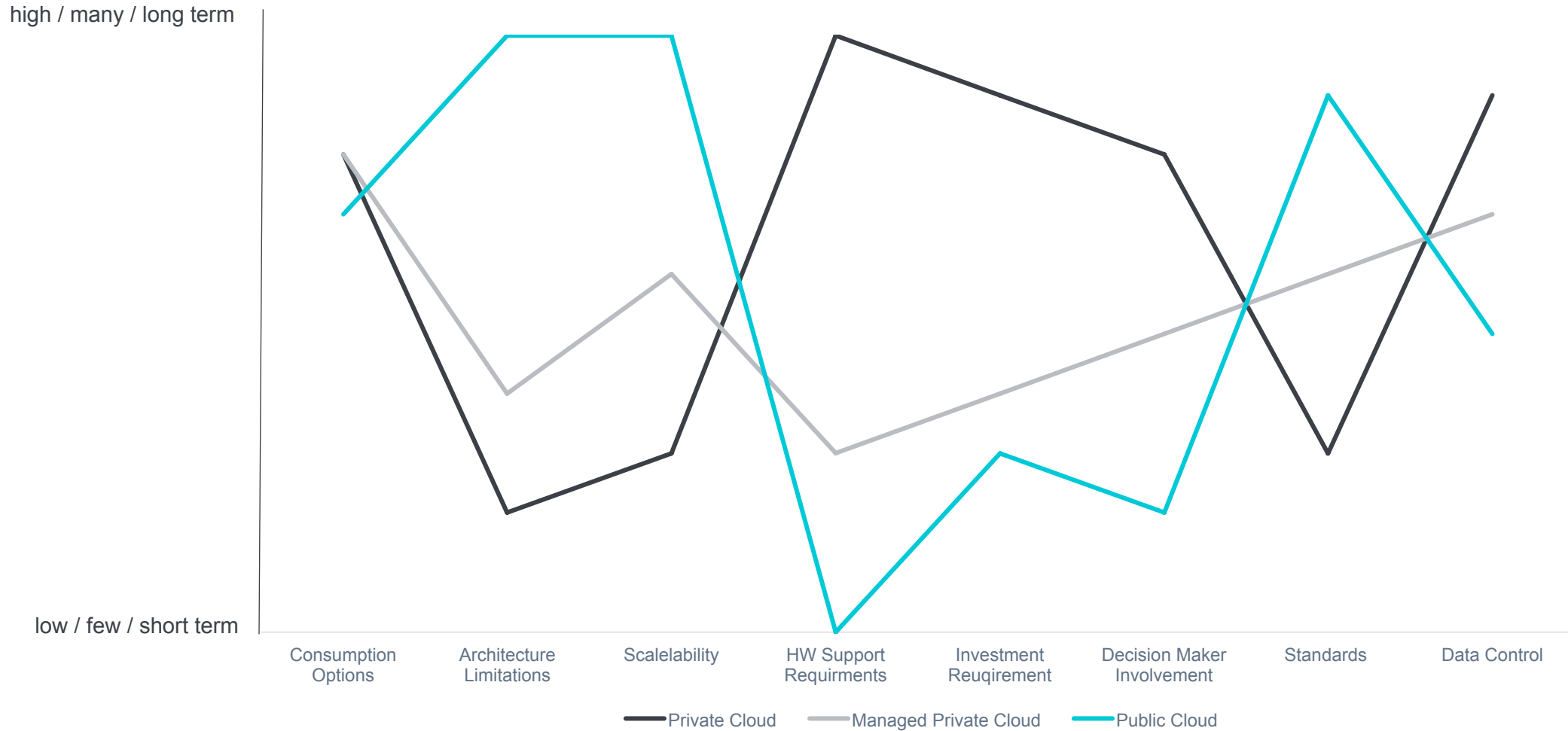


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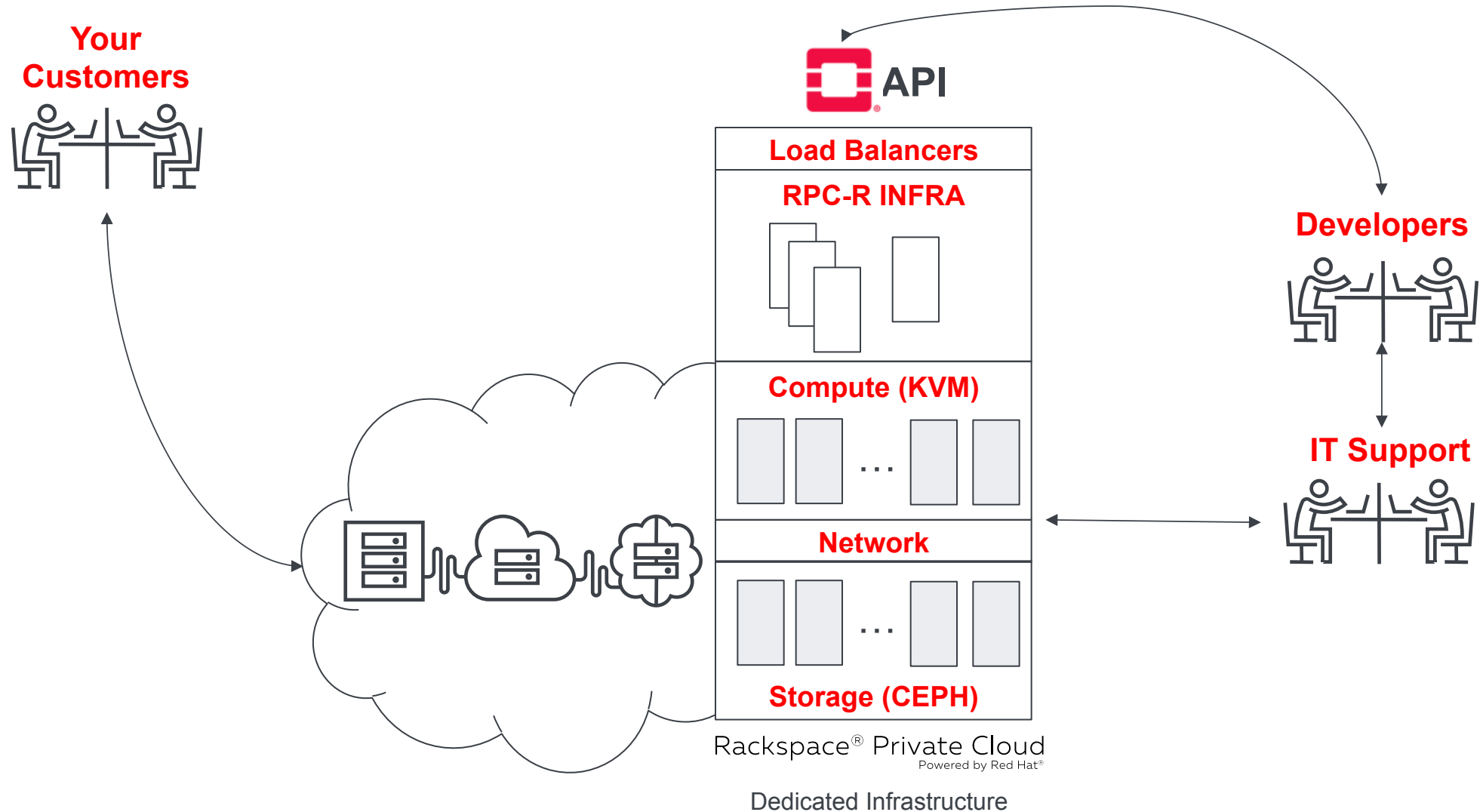


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Consumption Options – Private vs. Public



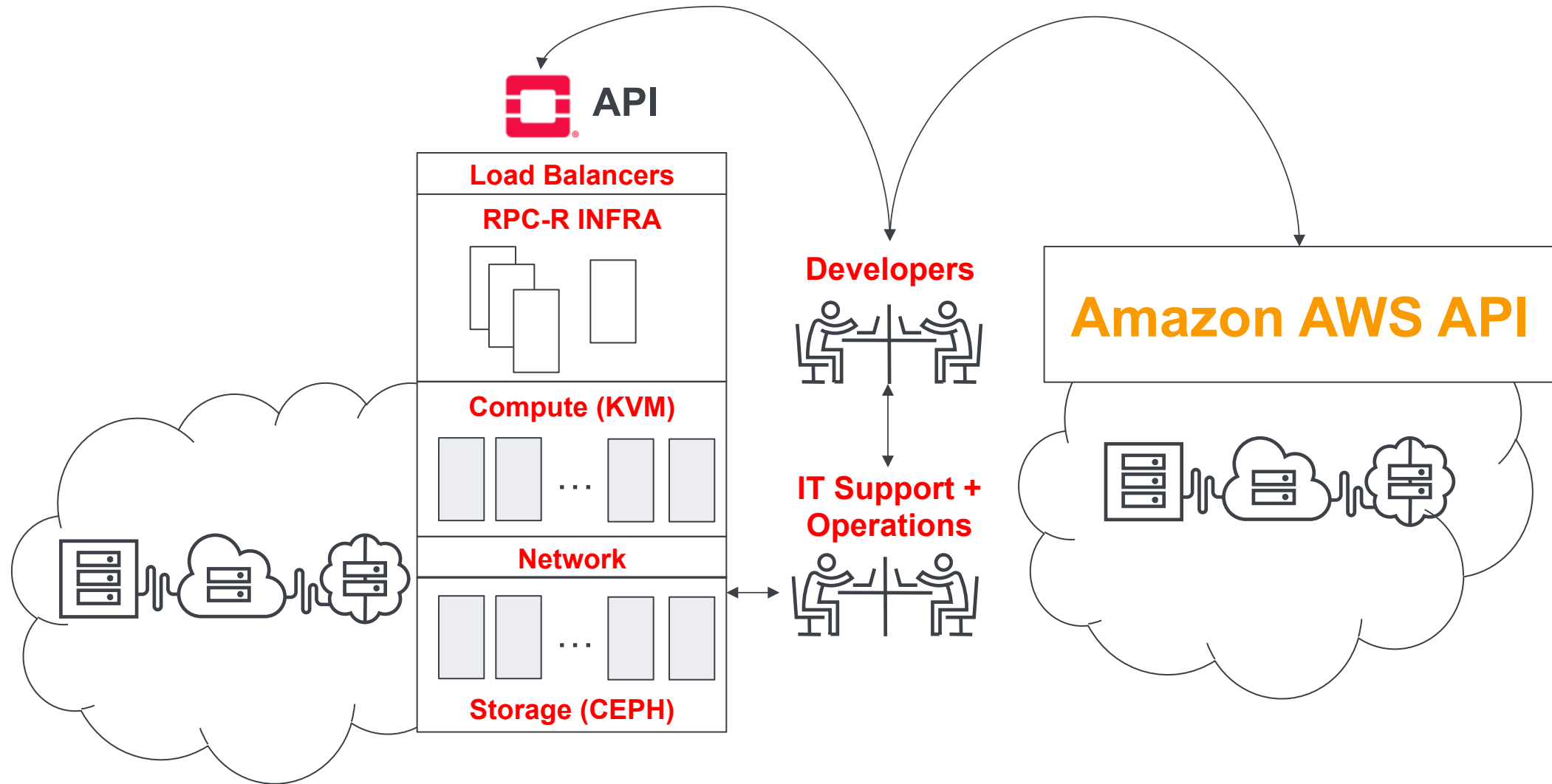
The Private Cloud



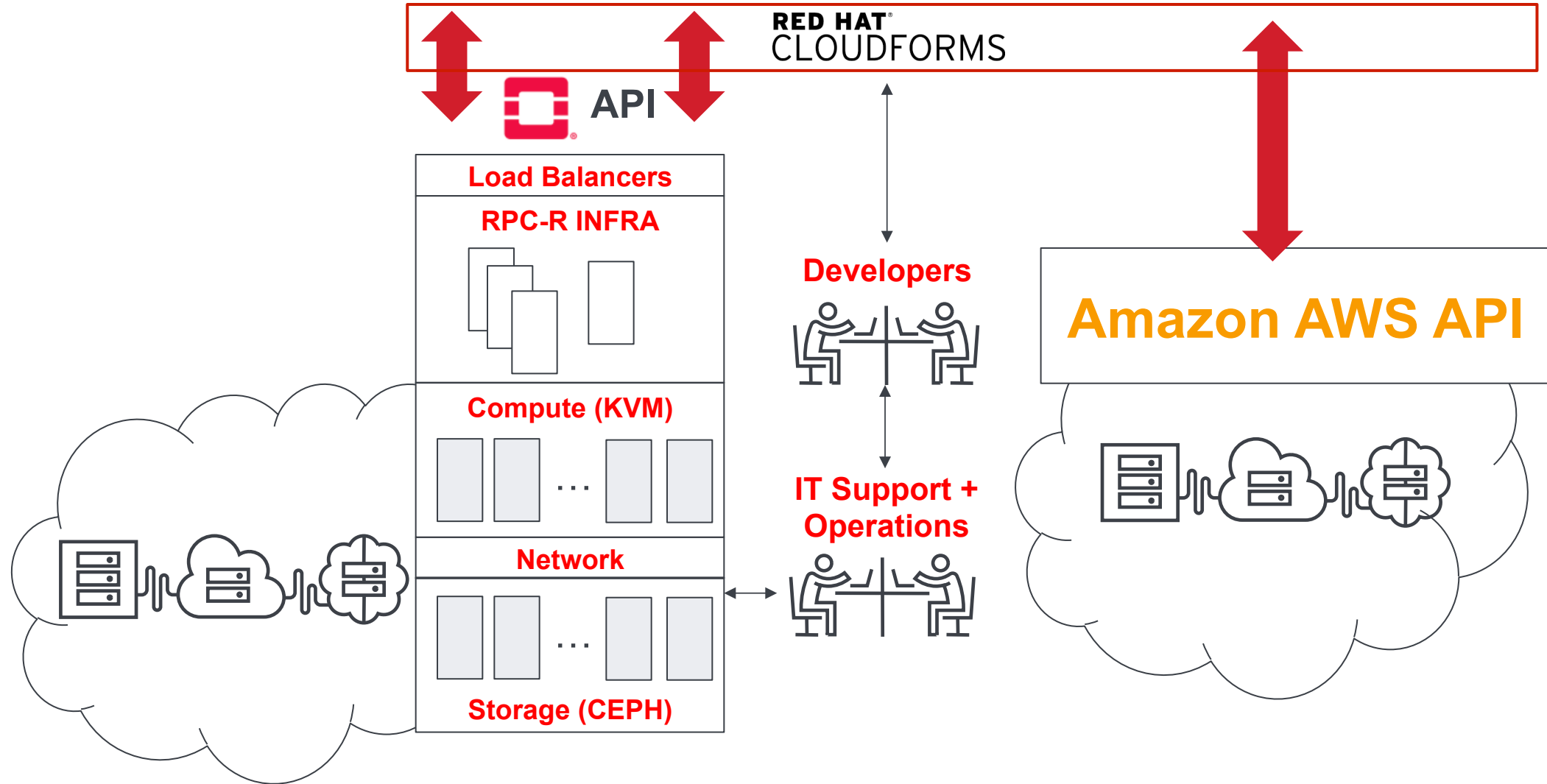
The Public Cloud



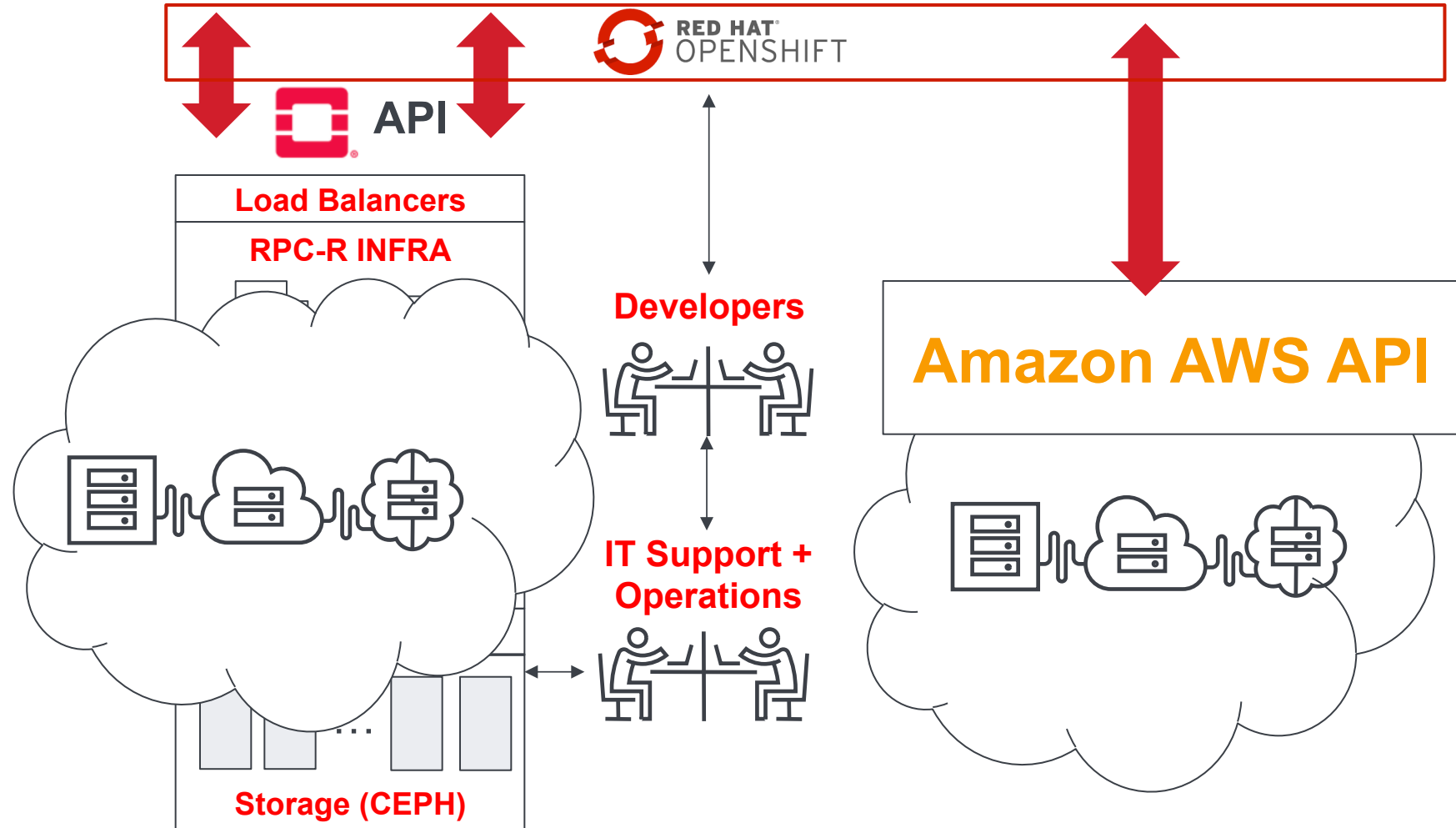
The Hybrid Cloud: Multiple APIs



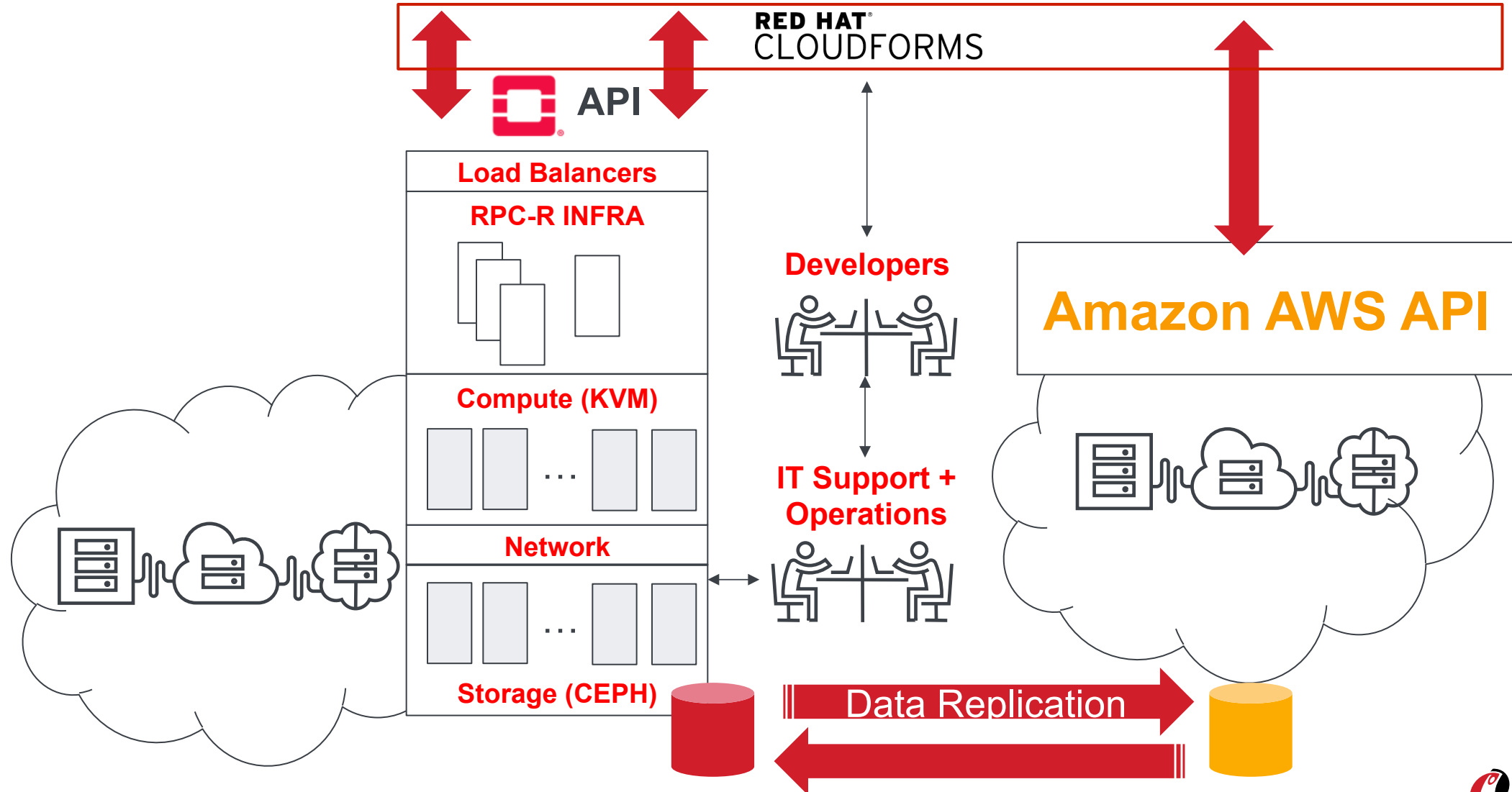
The Hybrid Cloud: CloudForms



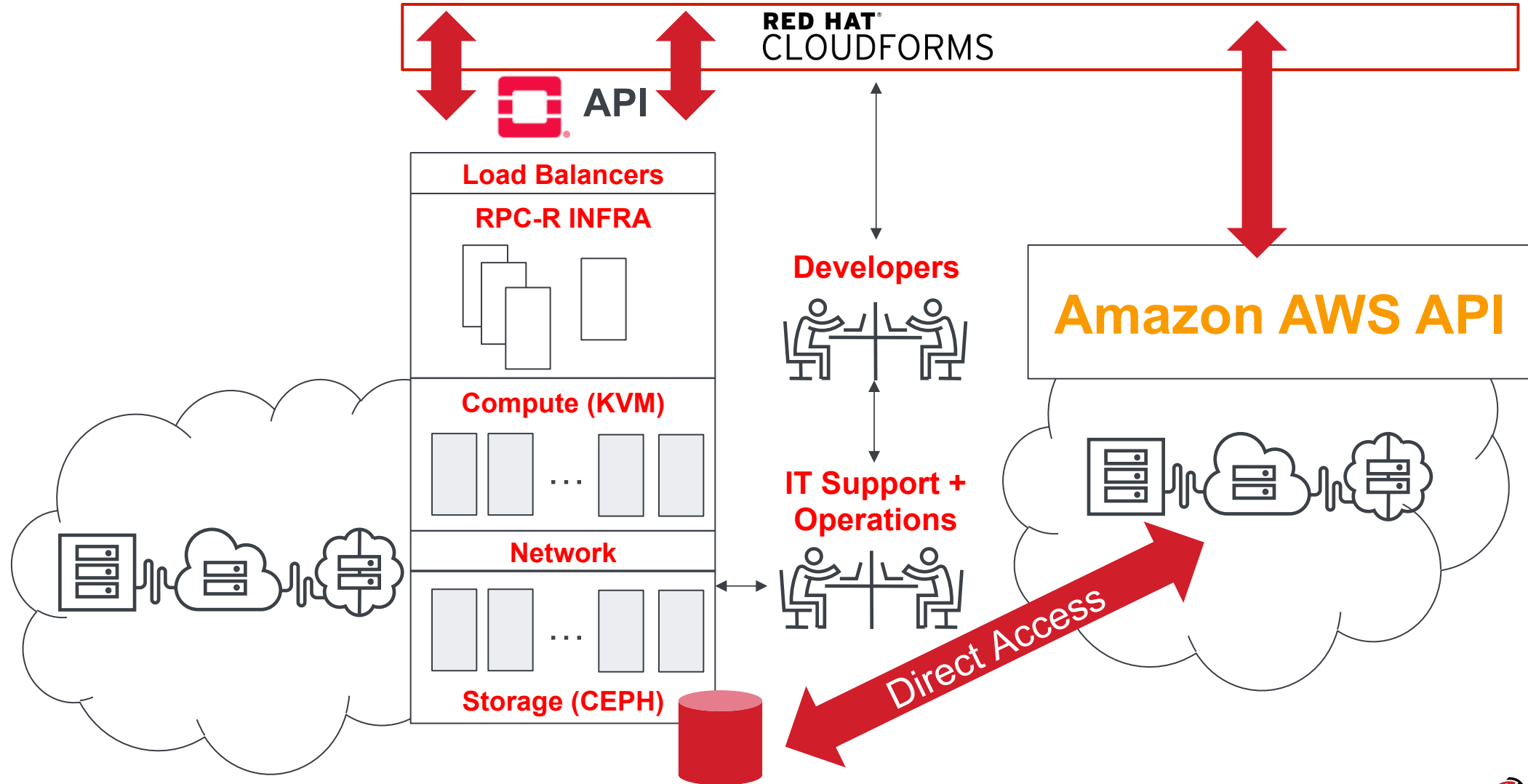
The Hybrid Cloud: PaaS - OpenShift



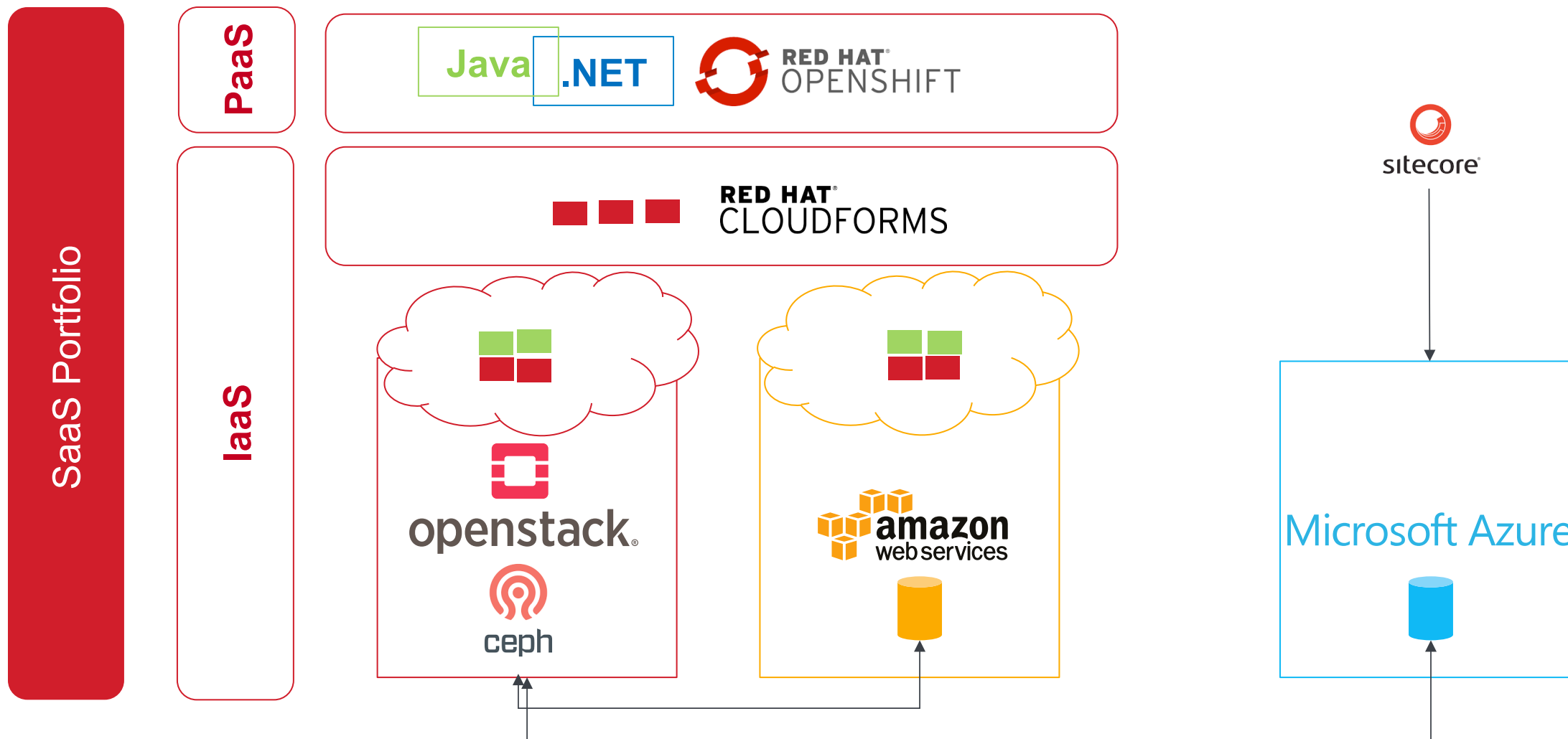
The Hybrid Cloud: Data Strategies



The Hybrid Cloud: Data Strategies



My multi-cloud landscape



There is no such things as free lunch...

- Skills

- Skills to use three different clouds, operate two different infrastructures and use two additional tooling would be required
- Developers need to understand different APIs and behaviors of instances

- Policies

- Restrictions may be in place, or need to be put in place depending on application or data requirements
- Spending policies and quotas should be introduced for public cloud usage
- Security policies need to be clearly articulated

- Data

- How fast can your data replicate?
- How tolerant of data lag is your application
- Is data replication part of your cloud DR strategy?

- Dependencies

- Appropriate network bandwidth
- Familiarity of hybrid workloads
- License implications



WRAP-UP

What I would like you to take away from today's talk...

Key Take-Aways

- Not everything outside your DC is Cloud – think cloud, think agile
- Digitalization is here to stay – every organization needs a corporate and cloud strategy to address it
- Cloud is more than technology – it is a state of mind and a journey that is unique to every company
- Multi-cloud is reality, but it is more than the concept of cloud brokerage
- Open Source software provides value across the stack and should play a role in any organizations strategy
- If you think about an integrated multi-cloud strategy – Rackspace is someone you should speak to!



**YOUR CLOUDS.
OUR EXPERTISE.**



RED HAT FORUM

Europe, Middle East & Africa

