Yung Chou

Platform Technology Evangelist, Microsoft

Virtualization
Hybrid Cloud

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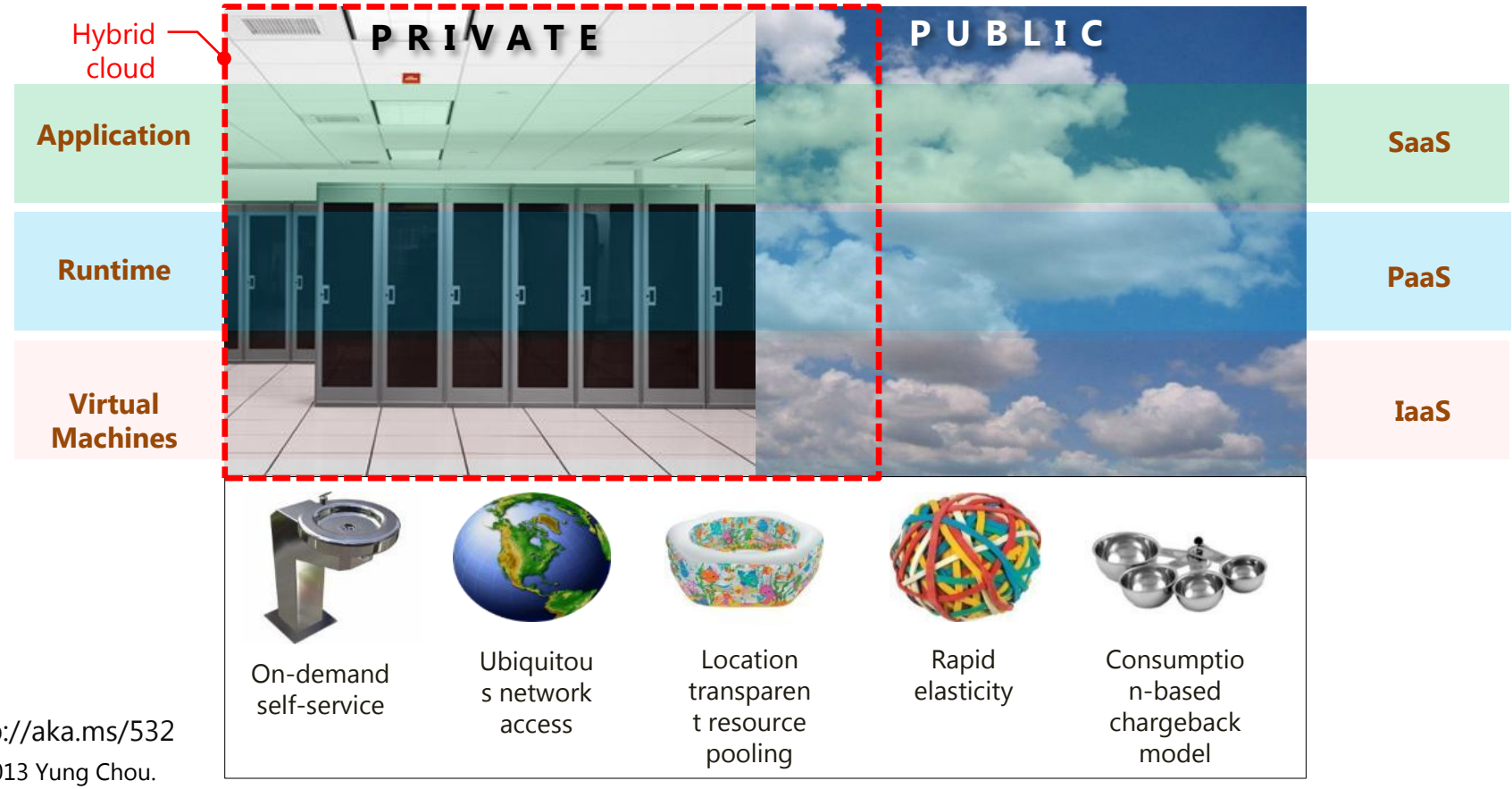
http://aka.ms/yc
@yungchou

CCA & DCIA proudly present:

The 5-3-2 Principle of Cloud Computing



http://aka.ms/532

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CLOUD COMPUTING EAST 2013
Revolutionizing Business Processes in Government, Healthcare & Financial Services
MAY 19-21, 2013
Boston Marriott Copley Place, Boston MA

NIST SP-800-145

A NIST Definition of Cloud Computing
http://csrc.nist.gov/publications/nistpubs/800-145/SP800-145.pdf

Deployment Models:

Private cloud. The cloud infrastructure is operated solely for an organization. It may be managed by the organization or a third party and may exist on premise or off premise.

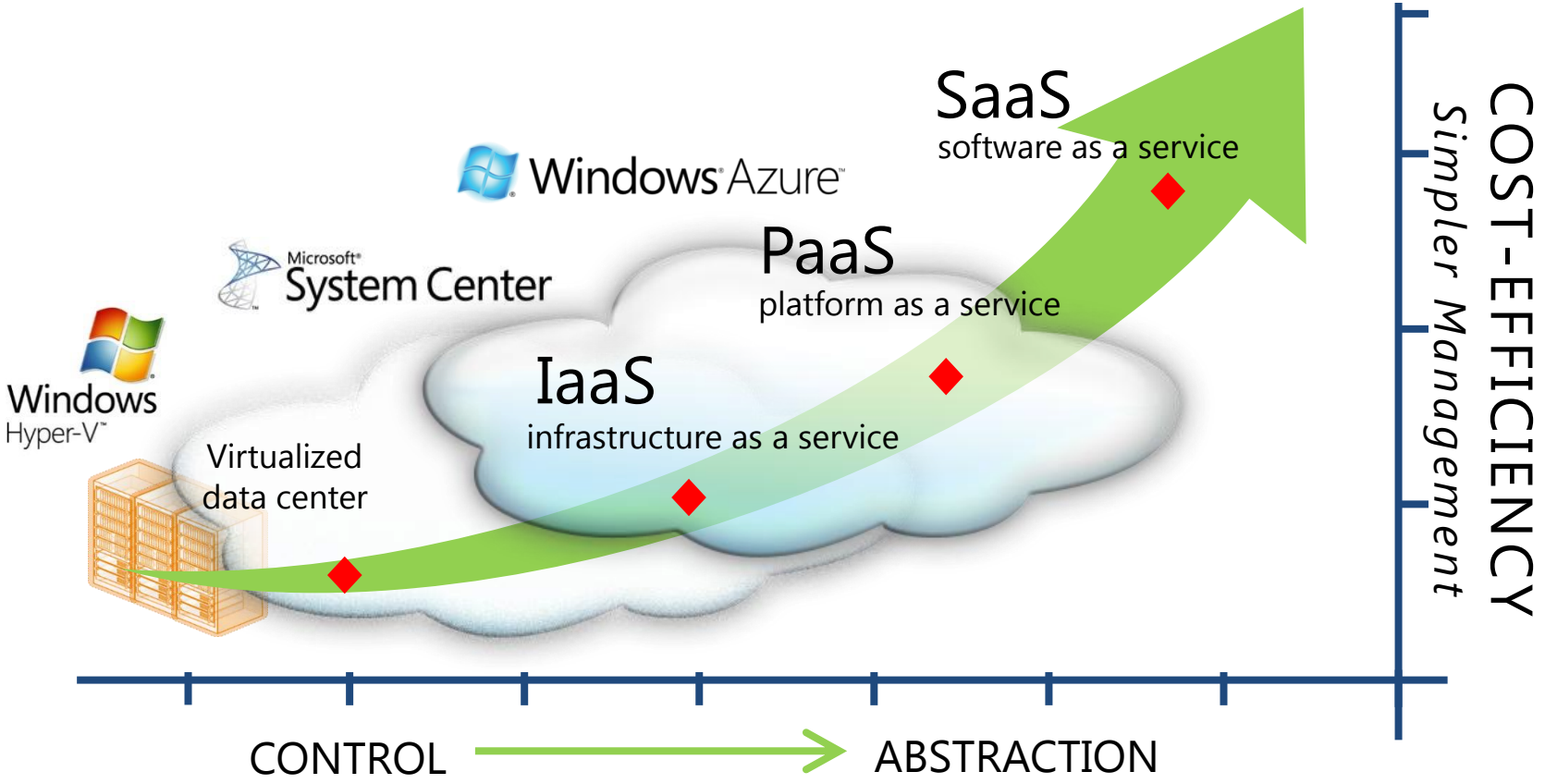
Community cloud. The cloud infrastructure is shared by several organizations and supports a specific community that has shared concerns (e.g., mission, security requirements, policy, and compliance considerations). It may be managed by the organizations or a third party and may exist on premise or off premise.

Public cloud. The cloud infrastructure is made available to the general public or a large industry group and is owned by an organization selling cloud services.

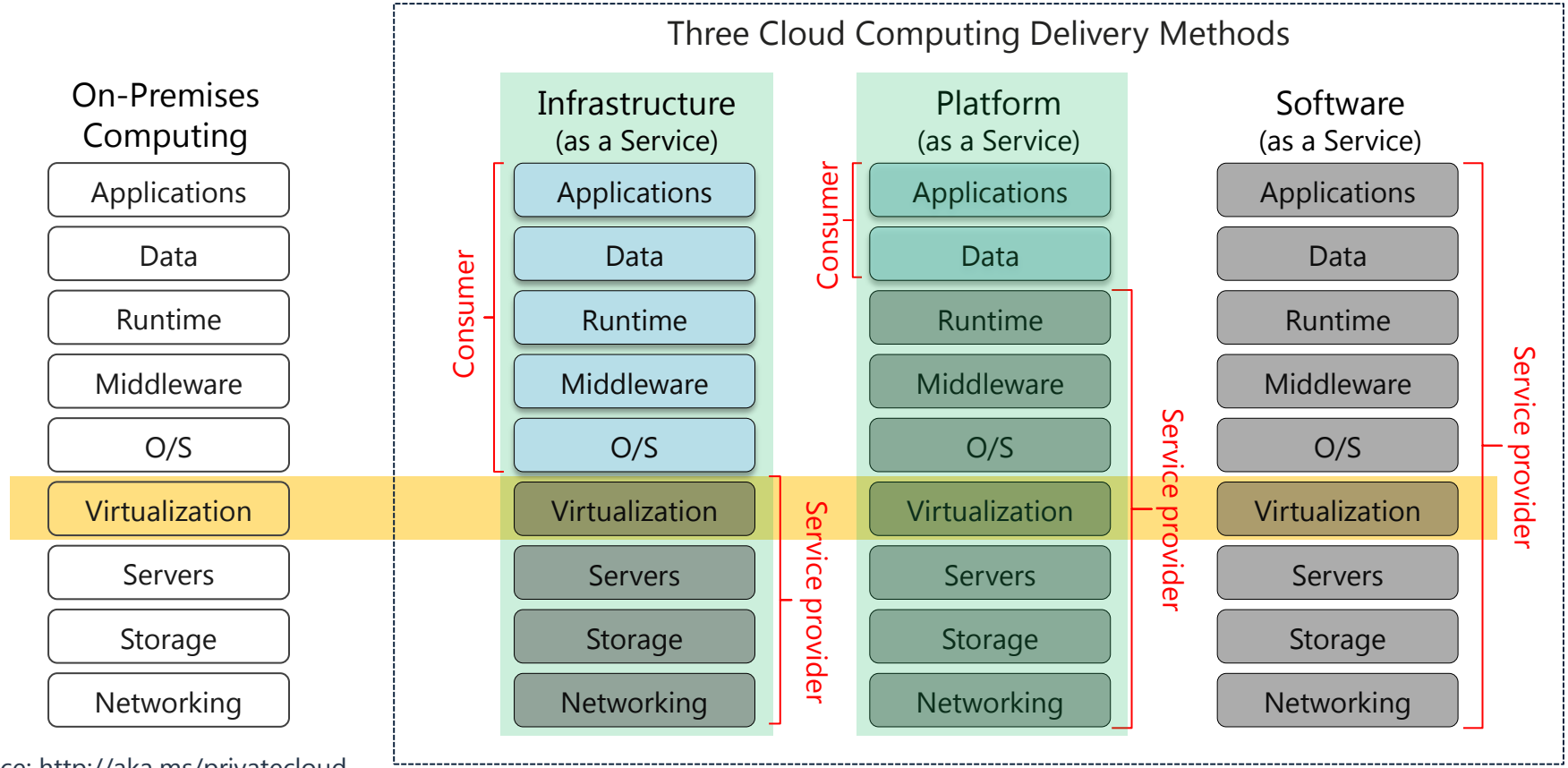
Hybrid cloud. The cloud infrastructure is a composition of two or more clouds (private, community, or public) that remain unique entities but are bound together by standardized or proprietary technology that enables data and application portability (e.g., cloud bursting for load balancing between clouds).

In such case, 5-3-4 instead of 5-3-2

Cloud Continuum



Cloud Delivery Models



Source: http://aka.ms/privatecloud

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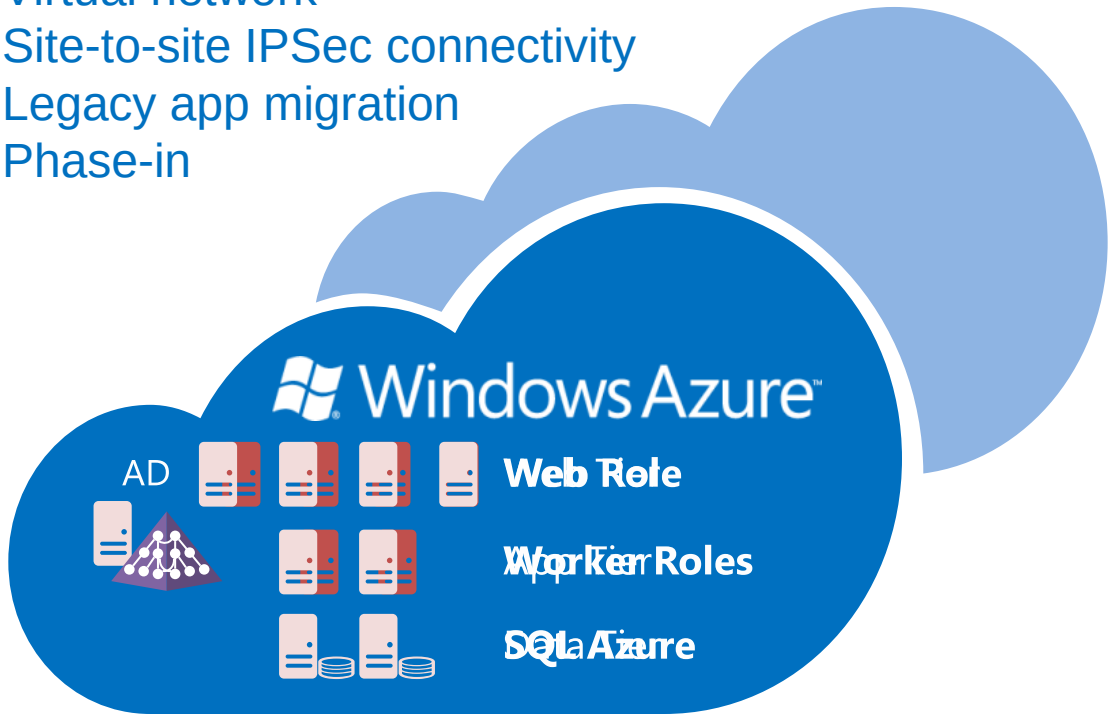
Hybrid Cloud with IaaS and PaaS

Virtual network
Site-to-site IPSec connectivity
Legacy app migration
Phase-in



Convert Web Apps
to **Web Roles (optional)**

Convert App Logic
to **Worker Roles (optional)**

Convert Data Tier
to Azure SQL DB **(optional)**