



Cornell University  
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# *What should I know about:* Business in the Cloud

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What should I know about: Business in the Cloud

# What is the cloud?

*An approach to computing that's about internet scale and connecting to a variety of devices and endpoints*

What is the cloud?

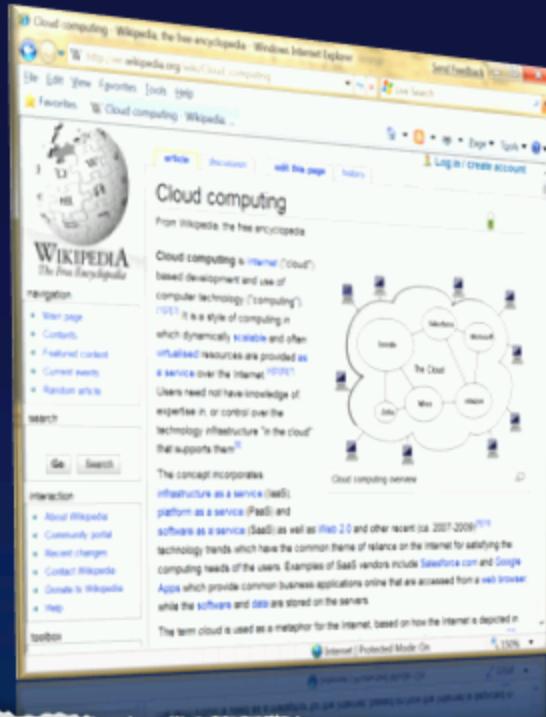
# The NIST Definition of Cloud Computing

- “Cloud computing is a model for enabling 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. This cloud model promotes availability and is composed of five **essential characteristics**, three **service models**, and four **deployment models**.
  - Essential Characteristics
    - *On-demand self-service*
    - *Broad network access*
    - *Resource pooling*
    - *Rapid elasticity*
    - *Measured Service*

Source: Peter Mell and Tim Grance, Version 15, 10-7-09  
National Institute of Standards and Technology, Information Technology Laboratory

## The NIST Definition of Cloud Computing

# What Is the Cloud?



"software as a service"

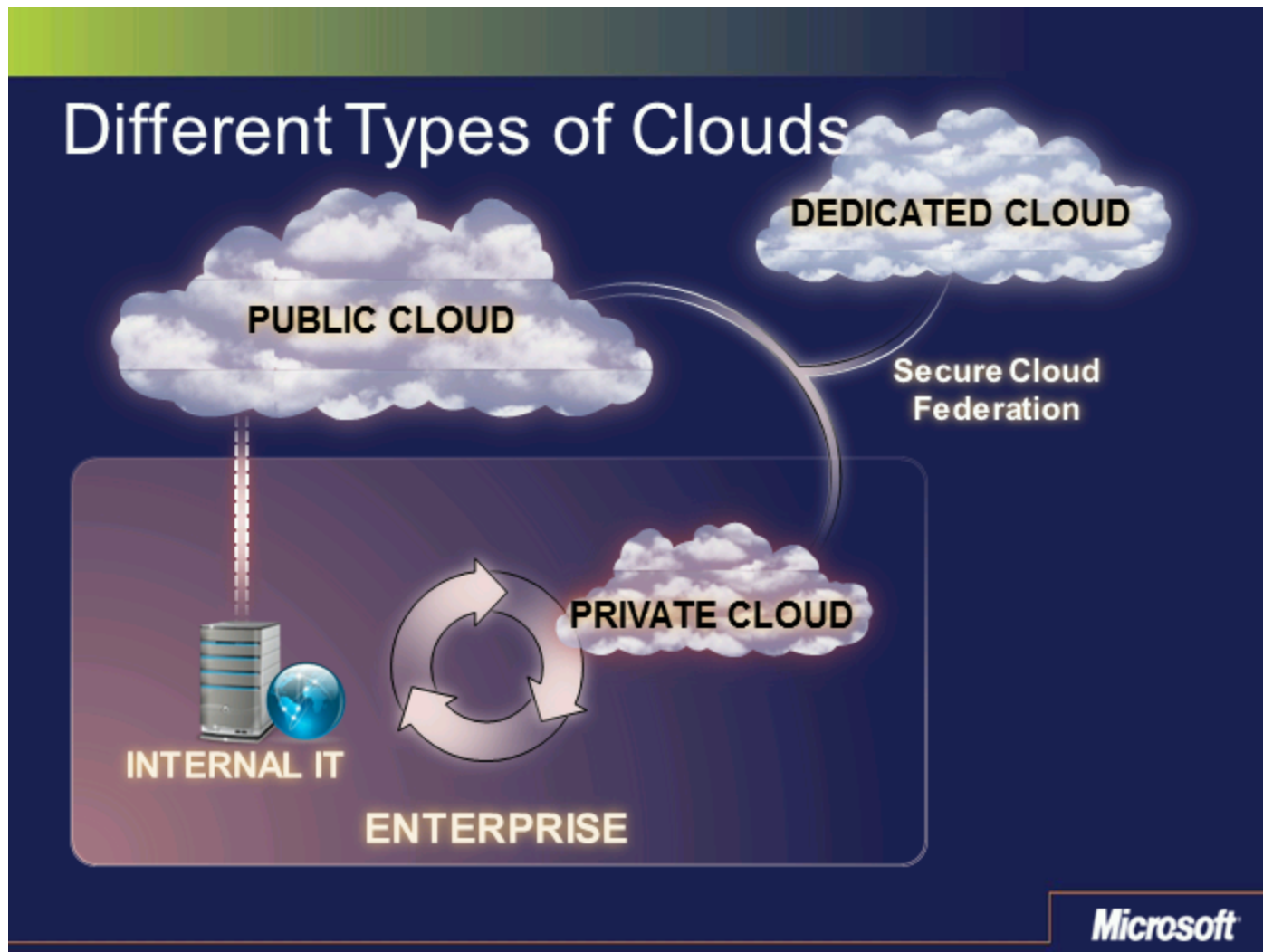
"infrastructure as a service"

"platform as a service"

"everything as a service"

"data as a service"

What Is the Cloud?



Different Types of Clouds

# Cloud Impact

NEW ECONOMICS	REDUCED MANAGEMENT	INCREASED PRODUCTIVITY
		
<ul style="list-style-type: none"><li>• Pay for what you use</li><li>• Lower and predictable costs</li><li>• Shift from capex and opex</li><li>• Accelerate speed to value</li></ul>	<ul style="list-style-type: none"><li>• No patching, maintenance</li><li>• Faster deployment</li><li>• Robust multi-layered security</li><li>• Reliability and fault-tolerance</li></ul>	<ul style="list-style-type: none"><li>• Latest software for users</li><li>• Internet collaboration</li><li>• Anywhere access</li><li>• Instant self-provisioning</li></ul>

## Cloud Impact

# Microsoft Commercial Cloud Services

- 9,000 business customers
- 40M paid Online seats
- More than 500 government entities
- Over 50% of the Fortune 500
- 12,000 partners

	 	 				
PRODUCTIVITY	COMMUNICATIONS	COLLABORATION	BUSINESS APPS	MANAGEMENT	STORAGE	PLATFORM
	 					

## Microsoft Commercial Cloud Services

# The Common Questions Around the Cloud from Businesses?

-  How Do I **Get Prepared** To Move To The Cloud?
-  Is It **Secure**?
-  Should We Go '**All In**' Or Hybrid?
-  How Will We **Gain Productivity**?
-  Can You Help Us Comply With **Government Regulations**?
-  Will I Still **Have Control**?
-  Will My **Legacy Apps** Still Work?

The Common Questions Around the Cloud from Businesses?

# Questions and Answers



Questions and Answers



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