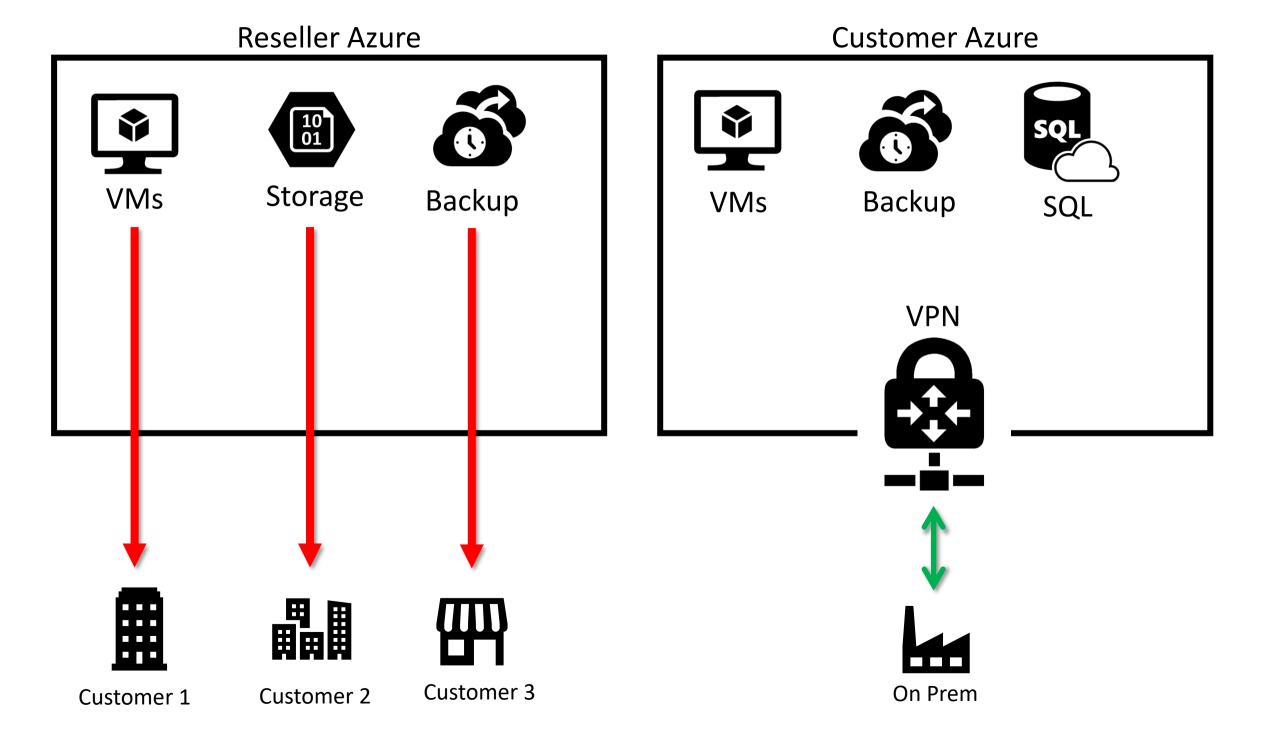
### Introduction to Microsoft Azure

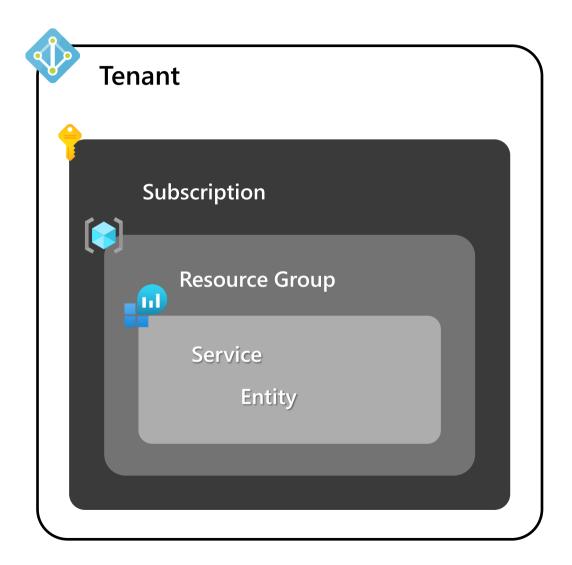
June 2022 @directorcia http://about.me/ciaops

### What is Azure?

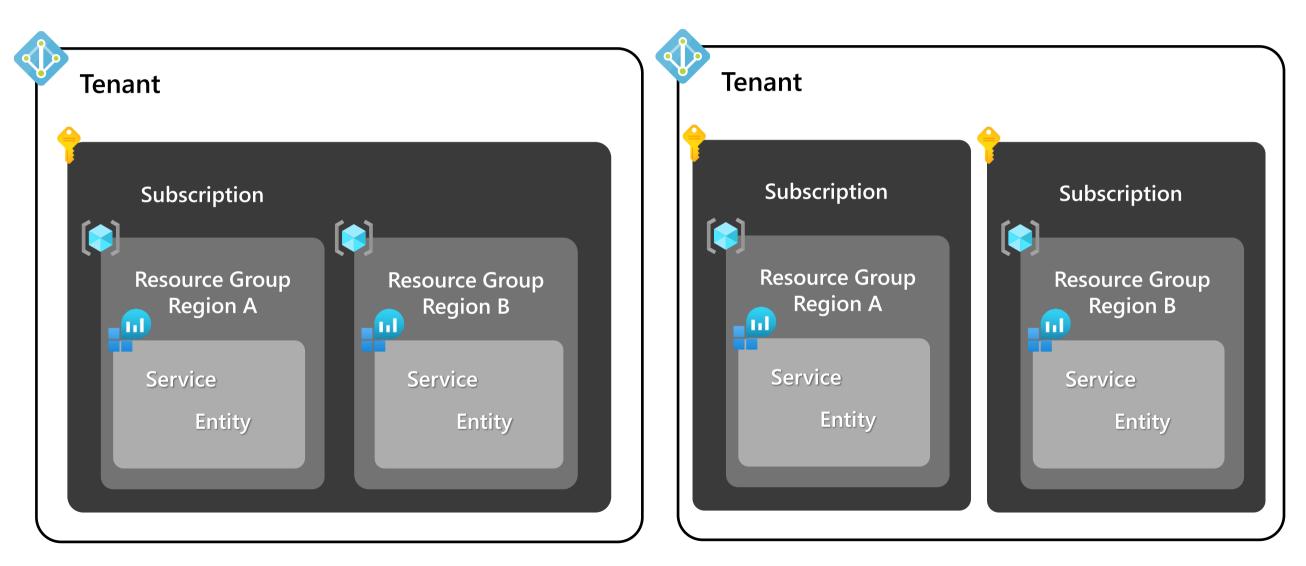
# Your on demand data centre



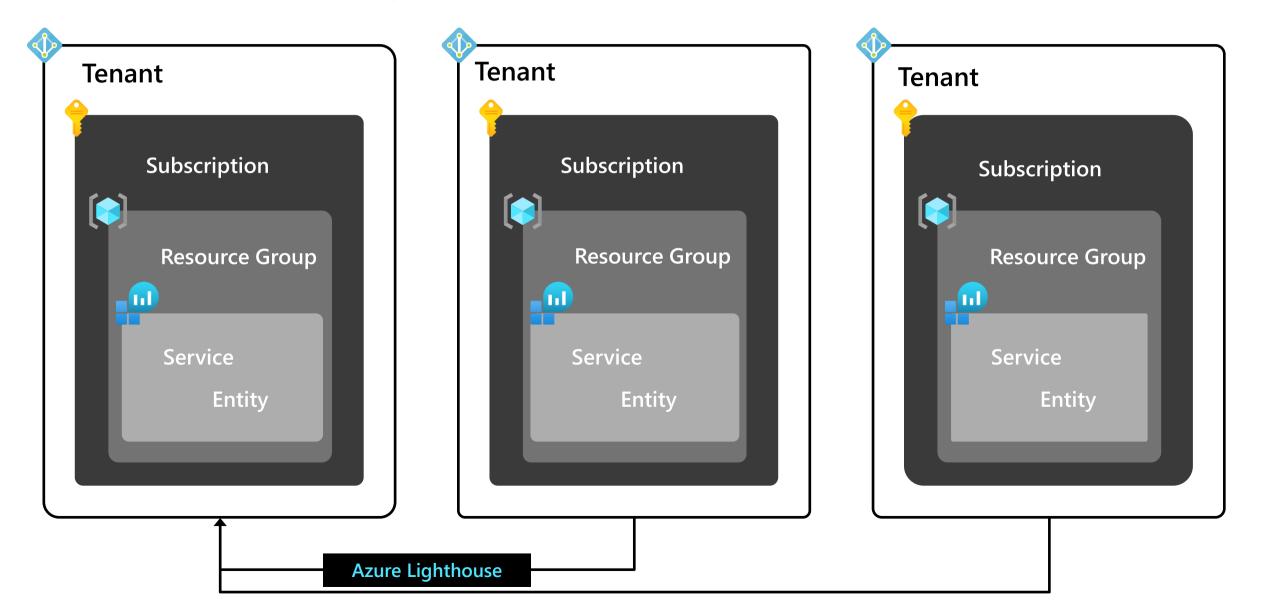
### **Typical Single Tenant Design**



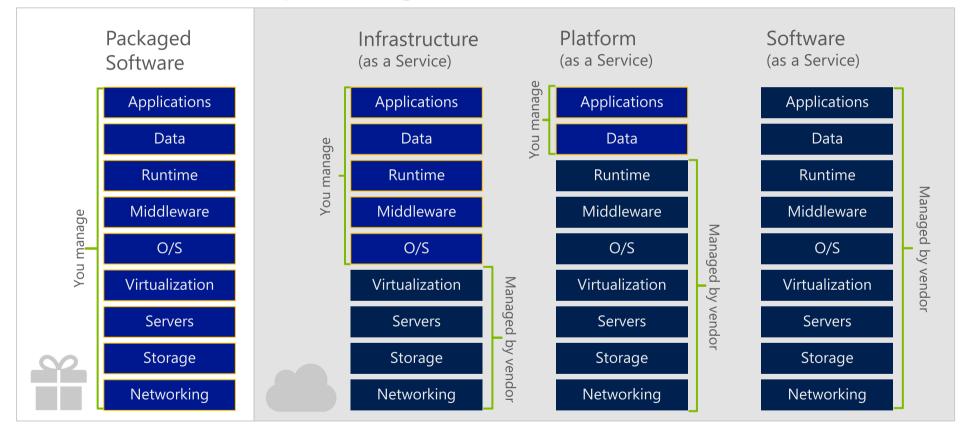
### Single Tenant Design



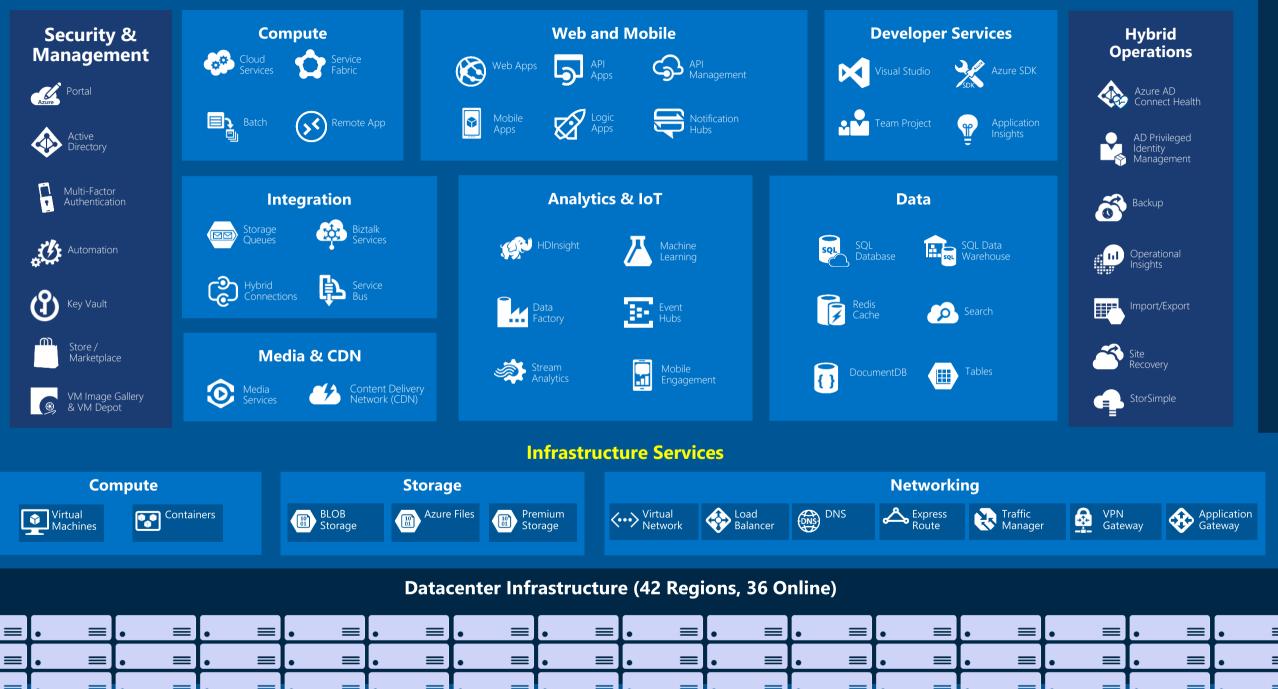
### **Multi-Tenant Design**



### Cloud Computing



#### **Platform Services**



# Licensing Azure

### **Azure purchasing options**

### Direct on azure.microsoft.com

#### Pay As You Go

Zero upfront cost, cancel anytime.

No long-term commitment. Purchase with credit card.

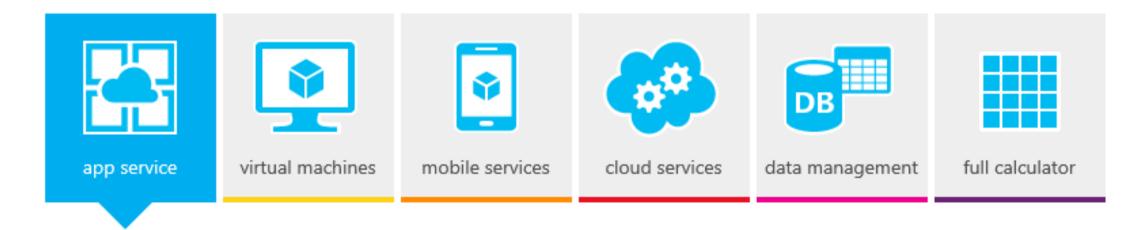
#### **Cloud Solution Provider** Program White Label Set the price, the terms and directly bill customers. Directly provision and manage subscriptions. First point of contact for customers needs. Purchase through Distributors.

### **Estimating Azure costs**

### No up-front costs. Pay only for what you use.



Note: Prices on the calculator do not include variations by region. To see prices for a specific region, please go to the individual service pricing pages and select the region.



http://azure.microsoft.com/en-us/pricing/calculator/

Different cloud pricing models?

# Azure = Consumption

# 365 = PU/PM flat

# Azure Partner IUR



• Partners received free monthly Azure credits as part of their benefits

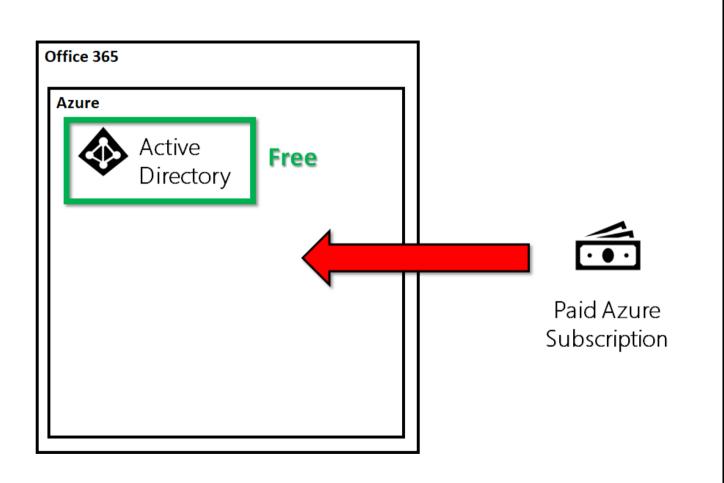
• Credits automatically renew each month.

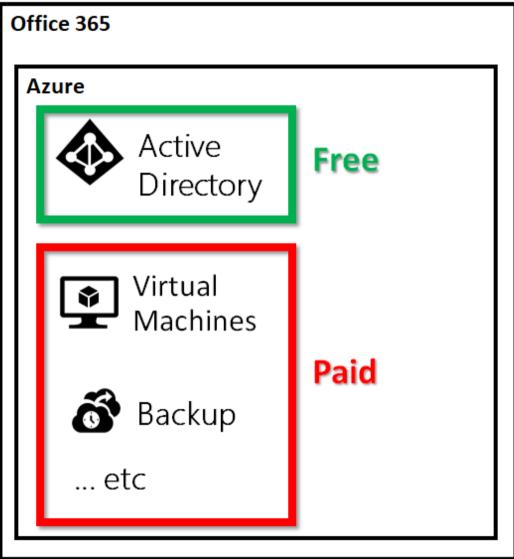
• What are my IUR benefits? https://partner.microsoft.com/en-us/membership/internal-usesoftware

### What can you use your credits for?

- Hosting your customers DNS records
- Creating a cloud administration workstation
- Backing up local files
- Storing tools, ISOs, installation files, data in cloud
- Archiving data
- Migration location
- And much, much more

# Using Azure





Azure DNS key features All common DNS record types A, AAAA, CNAME, MX, NS, SOA, SRV, TXT

### Fast and available

Ultra-low query latency from global Anycast network of name servers Fast propagation of new records, globally distributed

### Azure Resource Manager benefits

Security, role-based access control, tagging and template-based deployment For both zones and record sets

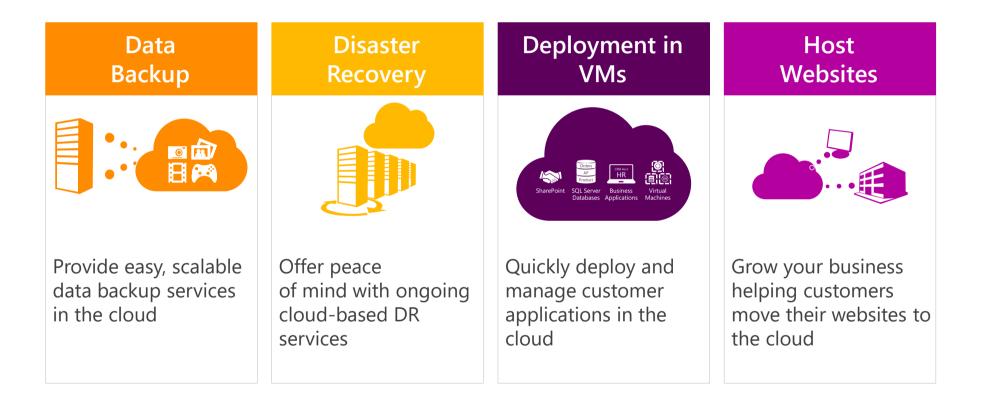
### Automate via PowerShell

Ability to automate deployment using PowerShell

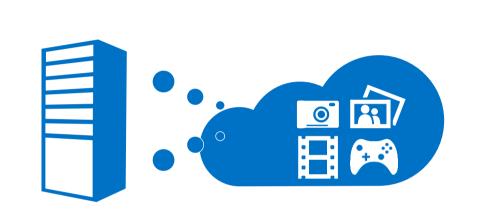


Your Estimate		
Azure DNS 🕀 🗊	1 hosted DNS zones, 1 DNS queries	\$1.24
Scope : 💡 Visual St Custom view 🗸	☐ Jan 2019 ✔ Granularity : Monthly ✔ Gr	oup by : Resource group name ~
	Resource group name : ciaops 🗞 + Add filter	
TOTAL ● BUDGET: NONE ~ \$0.37		
Filter items	2 rows	
Date	Resource group name	Cost ↑↓
2019-02	ciaops	\$0.37
2019-01	ciaops	\$0.00
SUPPORT:	0	\$0.00

#### Key Azure scenarios for small & midsize customers



### Selling server backup in the cloud



#### Provide easy, affordable backup and archival in the cloud

- Sell Microsoft Azure Backup as an ongoing service with a recurring revenue stream
- Quickly and easily provision more storage for your customers as needed

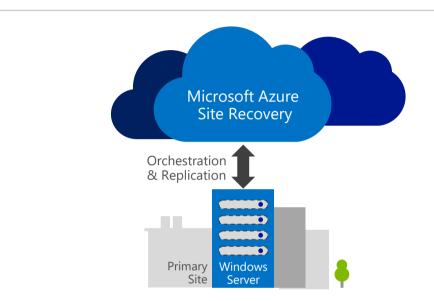
A range of applications: file servers, SQL Server, etc.

Long-term retention to address legal discovery needs

Encrypted backups and global, georedundant datacenters

No hardware and backup media costs and no restoration costs

### Selling disaster recovery in the cloud



Sell powerful, affordable, and simple disaster recovery (DR) in the cloud

- Offer your SMB customers peace of mind with cloud-based disaster recovery
- Use Azure as your DR site and leverage automated workload recovery

Earn recurring revenues by offering disaster recovery as a service (DRaaS)

Avoid the massive capital expense of building your own DR infrastructure

Provide site deployment in minutes, remote DR health monitoring, and customizable recovery plan

Deliver an initial DR plan and then offer ongoing testing and reporting services

# Storage, backup, and disaster recovery: how they work together

#### Storage

#### Get easy, economical storage that can scale as needed

- Scale up or down easily to meet changing needs
- Access your data from anywhere
- Use with a choice of operating systems

## Backup files to a secondary location Quickly restore files

O R

when accidentally deleted or lost

Backup

Get fast, simple backup

and an easy way to

restore lost files

• Retain files and data for legal requirements

# ly

#### **Disaster Recovery**

Protect your servers and get your systems back online quickly

- Keep a replica of the entire server infrastructure— updated in near real-time
- Get applications and services back up and running in minutes

### Hosting websites in the cloud



Grow your business helping customers move their websites to the cloud with Microsoft Azure

- Quickly build, deploy, and manage websites on an open and flexible cloud platform
- Offer the peace of mind from hosting on a global network of Microsoft-managed data centers

Leverage a fully-managed cloud infrastructure that can scale as needed to support the largest peak loads

Manage your customers' websites using the same familiar tools across on-premises and cloud environments

### Where to start

- I finally 'get' Azure http://blog.ciaops.com/2014/04/i-finally-get-microsoft-azure.html
- Azure Desktop Backup http://blog.ciaops.com/2014/12/azure-desktop-backup.html
- Azure Backup for Applications http://blog.ciaops.com/2016/01/azure-backup-serverfor-applications.html
- Creating an Azure DC http://blog.ciaops.com/2015/07/creating-domain-controller-inazure.html
- Azure Resource Manager Basics http://blog.ciaops.com/2016/02/azure-resourcemanager-basics.html
- Creating an Azure SMB File Share http://blog.ciaops.com/2016/01/creating-azuresmb-file-share.html
- Introducing Microsoft Azure https://azure.microsoft.com/enus/documentation/articles/fundamentals-introduction-to-azure/

### **CIAOPS Resources**

CIA OPS

- Blog http://blog.ciaops.com
- Github http://github.com/directorcia
- Free Office 365, Azure video tutorials http://www.youtube.com/directorciaops
- Free documents, presentations, eBooks http://slideshare.net/directorcia
- Office 365, Azure, Cloud podcast http://ciaops.podbean.com
- Office 365, Azure online training courses http://www.ciaopsacademy.com
- Office 365, Azure eBooks <u>http://www.ciaops.com/publications</u>
- Community <u>https://www.ciaopspatron.com</u>

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