AZURE vs. AWS

CLOUD COMPARISON

GLOBAL REGIONS

Iowa

Illinois

Oregon

SF Area

Texas

Virginia

DC Area

São Paulo

Dublin

Frankfurt

Amsterdam

Tokyo

Osaka

Beijing

Hong Kong

Singapore

Sydney

Melbourne

Amazon Web Services (10)

Microsoft Azure (17)
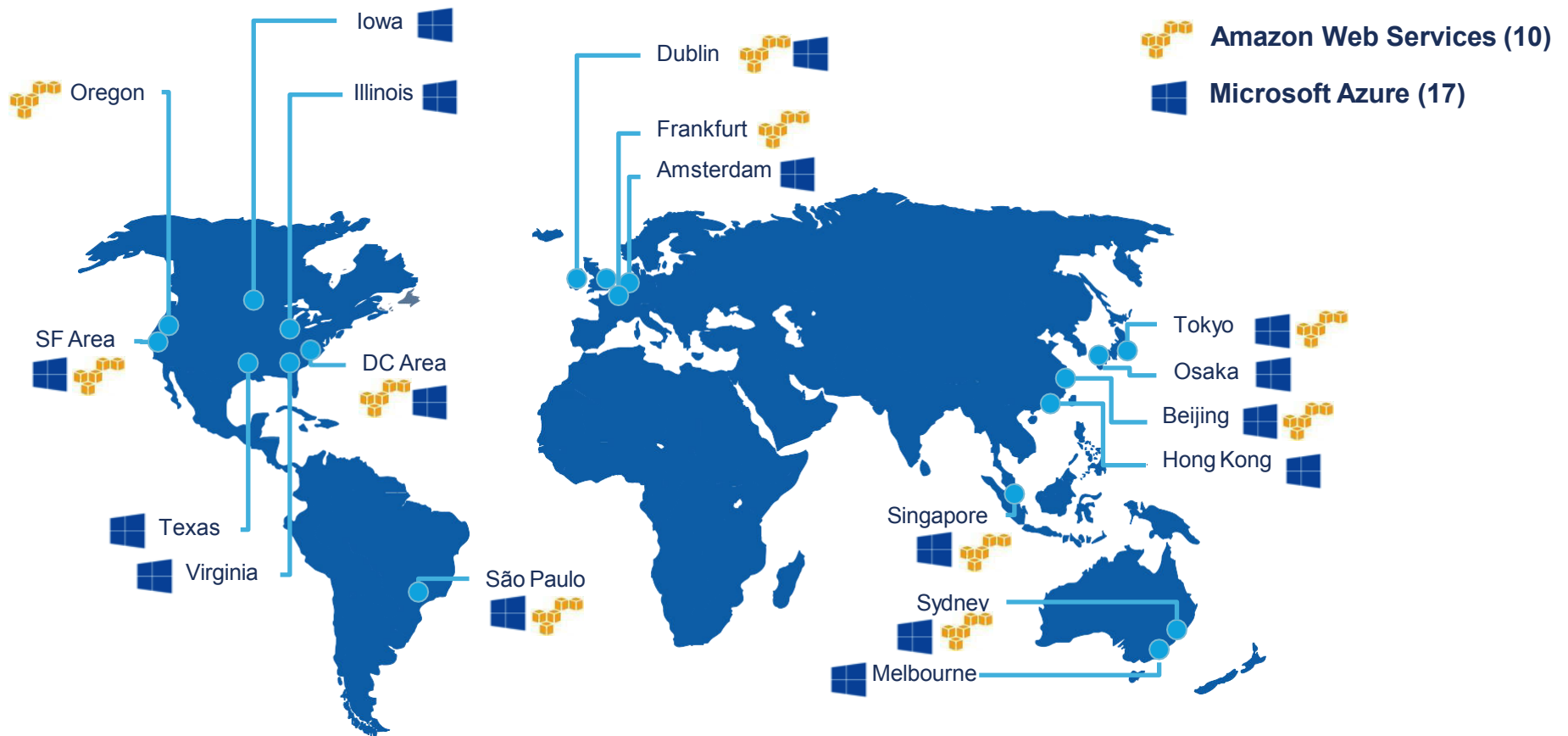
COMPUTE

	Instance Families	Instances types	Regions	Zones
AWS	7	38	Yes	Yes
Azure	4	33	Yes	

STORAGE AND DATABASES

	Ephemeral (Temporary)	Block Storage	Object Storage	Relational DB	Archiving	NoSQL and Big Data
AWS	Yes	EBS	S3	RDS	Glacier	DynamoDB,EMR, Kinesis, Redshift
Azure	Temporary Storage – D Drive	Page Blobs	Block Blobs and Files	Relational DBs		Windows Azure Table, HDInsight

NETWORKING

	Virtual Network	Public IP	Hybrid Cloud	DNS	Firewall/ACL
AWS	VPC	Yes	Yes	Route 53	Yes
Azure	VNet	Yes	Yes		Yes

PRICING

	Pricing	Models
AWS	Per hour – rounded up	On demand, reserved, spot
Azure	Per minute – rounded up commitments (pre-paid or monthly)	On demand – short term commitments (pre-paid or monthly)

CUSTOMERS

AWS

Adobe · airbnb · Expedia · yelp

NOKIA · NETFLIX · Time Inc. · NOVARTIS

Azure

serko · PEARSON · 3M · TOWERS WATSON

chronodrive · NBC · GE Healthcare · ESSAR

AWS - PROS AND CONS

PROS:

- AWS currently has the highest number of services and options available, lending itself to the most opportunities and satisfying most needs.

- Elastic Compute Cloud (EC2) allows you to increase or decrease storage as needed; between this and the pay-as-you-go plans you *only* pay for what you use with AWS.

- AWS allows you to choose the operating system, programming language, web application platform, database and other services.

CONS:

- AWS elastic load balancer (ELB) is not equipped to handle as many requests as it receives. However, you can purchase another service, ELB with AutoScaling, to counteract.

- AWS lacks customer support, gearing toward a more technically savvy group of consumers and/or those with access to tech support.

- The number of choices can be confusing to those who may not speak the language of technology.
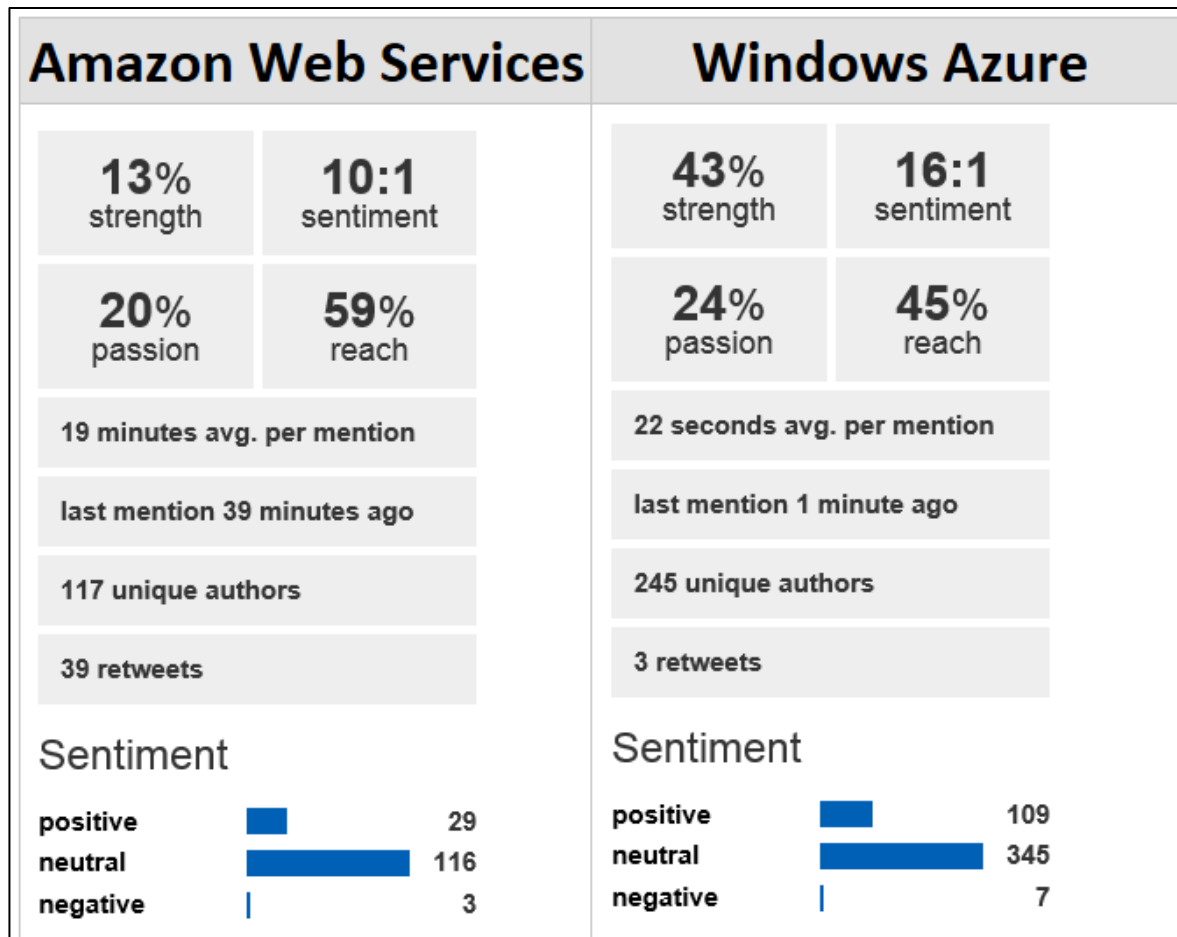
AZURE - PROS AND CONS

PROS:

- Has the capability for developers and users to easily create, maintain and deploy applications

- Fully scalable, offers open access across multiple frameworks, languages and tools

- Comprised of many different infrastructures and service modules: big data, backup and recover, web, mobile, development and testing, media, storage, identity and access management

CONS:

- Customer service is confusing and data is hosted globally. If you have data restrictions where it must be housed in a certain country, you must verify/specify with Microsoft.

- Comparatively expensive

- You are charged extra for paying as you go (versus paying in blocks of $100.00)

SOCIAL MENTIONS

Amazon Web Services		Windows Azure	
13% strength	**10:1** sentiment	**43%** strength	**16:1** sentiment
20% passion	**59%** reach	**24%** passion	**45%** reach
19 minutes avg. per mention		22 seconds avg. per mention	
last mention 39 minutes ago		last mention 1 minute ago	
117 unique authors		245 unique authors	
39 retweets		3 retweets	

Sentiment (Amazon Web Services)

positive	29
neutral	116
negative	3

Sentiment (Windows Azure)

positive	109
neutral	345
negative	7

REFERENCES

What is Azure?

https://azure.microsoft.com/en-in/overview/what-is-azure/

Azure cloud platform explained

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Azure vs. AWS

https://azure.microsoft.com/en-in/campaigns/azure-vs-aws/

Azure Introduction - PPT

http://www.slideshare.net/aniket09/microsoft-azure-ppt

What is AWS

https://aws.amazon.com/what-is-aws/

AWS cloud platform explained

https://aws.amazon.com/choosing-a-cloud-platform/

AWS case studies

https://aws.amazon.com/solutions/case-studies/