Managing Azure for Citrix Admins – Part Deux

CUGC User Share XL Cloud

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Points

- Review
- Service Status
- Tips
- Demos & Visuals
  - Azure Monitor, Analytics, Network Watcher
  - Monitoring with Open Source

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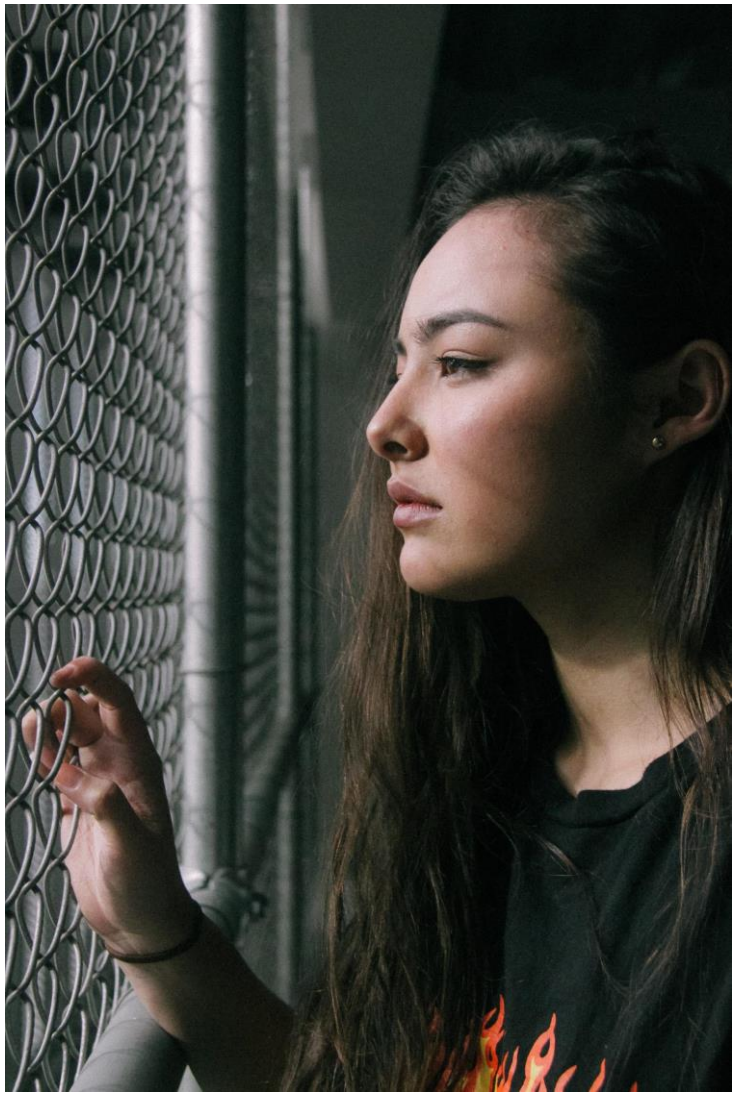
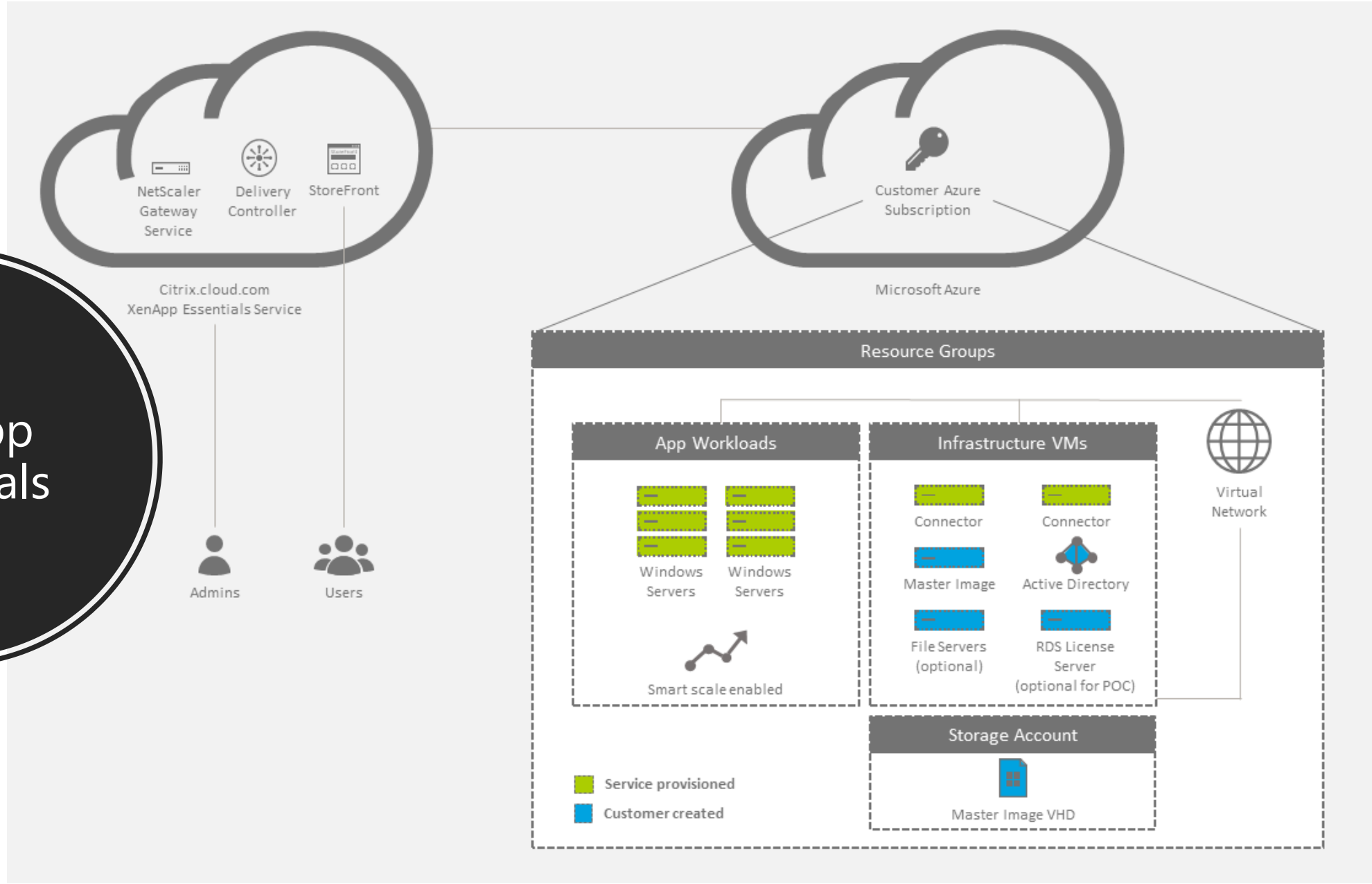
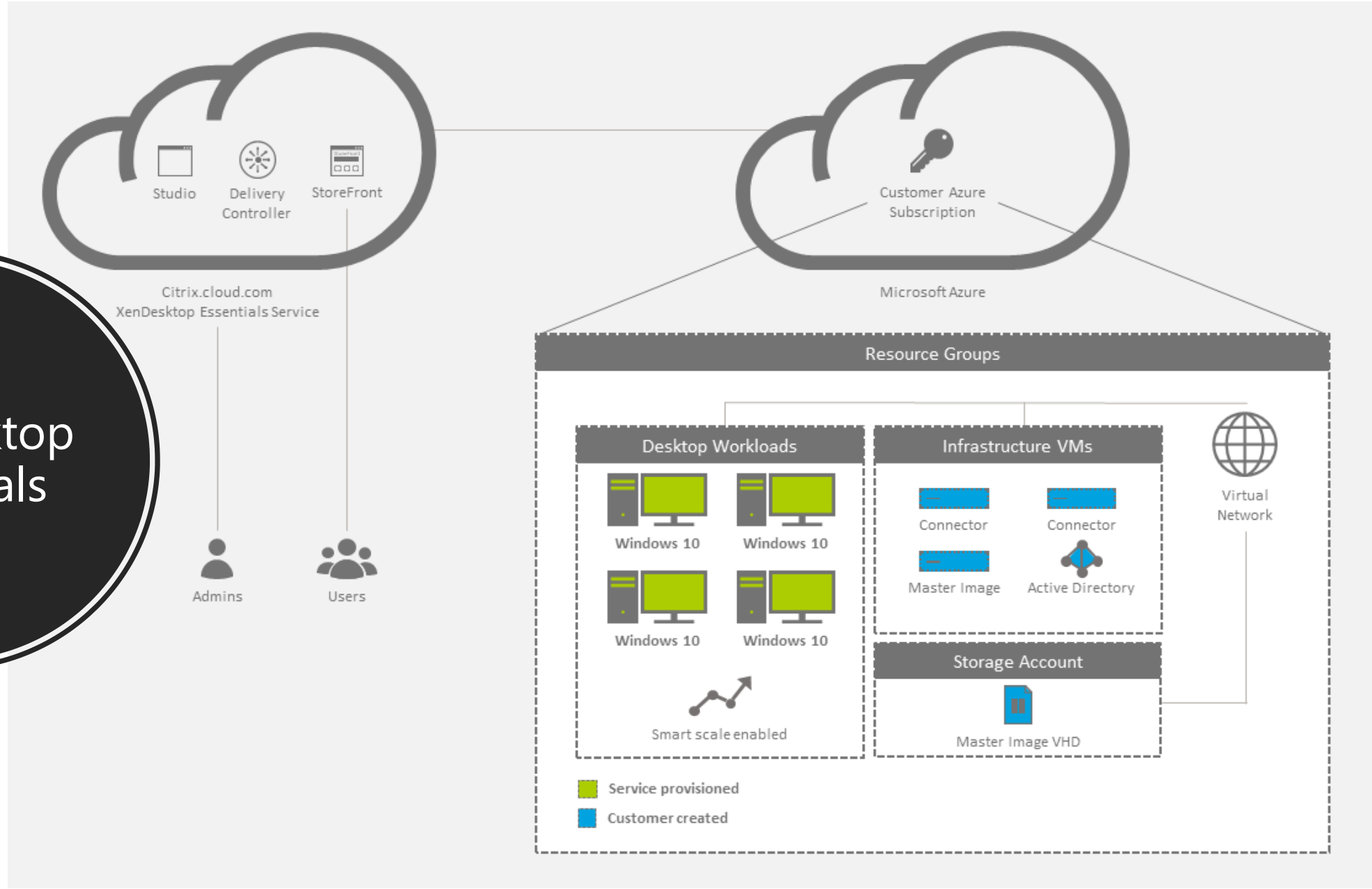


Review

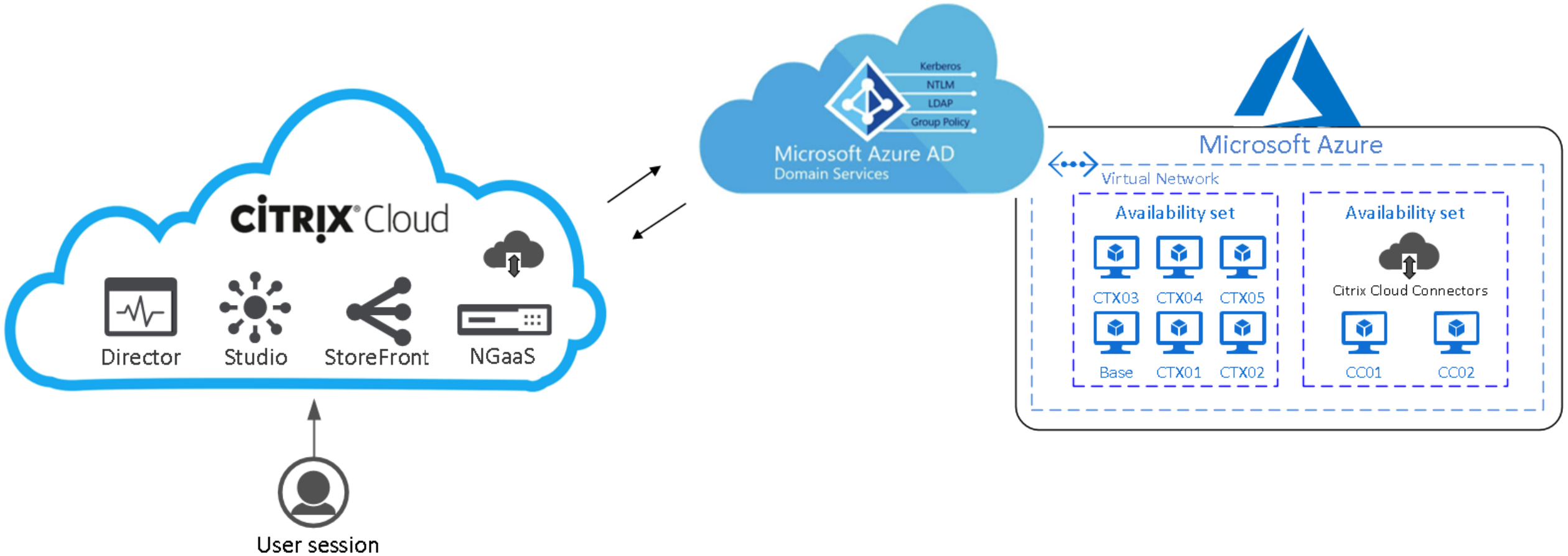
XenApp Essentials



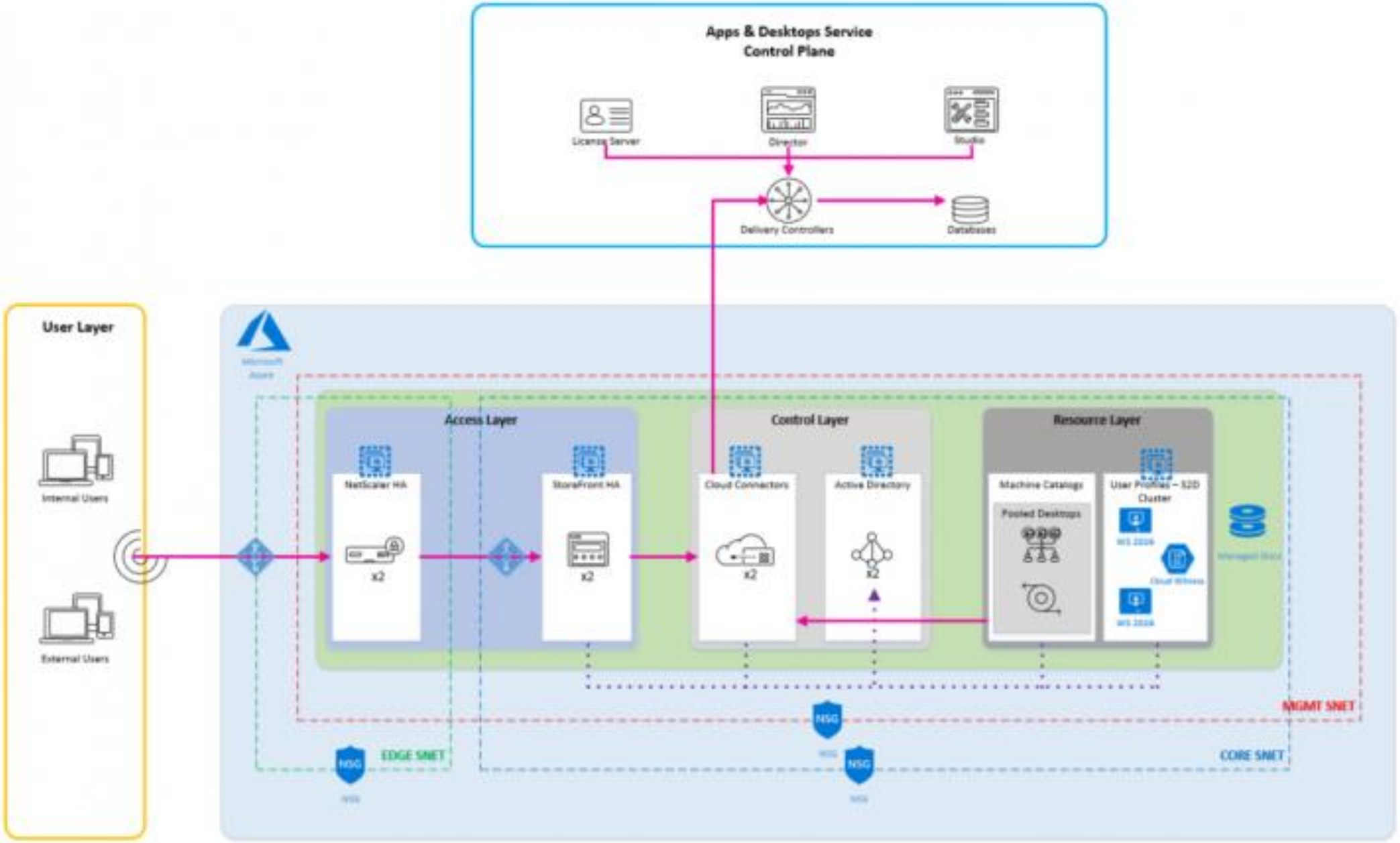
XenDesktop Essentials



Citrix On Azure



Credit: Christiaan Brinkhoff



Credit: JP Alfero – Cloud Success Engineer (Cloud Guidepost Series)

Accountability & Responsibility

Citrix's goal is to maintain at least 99.9% availability in any 30 calendar day period. Service interruptions and scheduled maintenance can be monitored on an ongoing basis at http://status.cloud.com.

Limitations

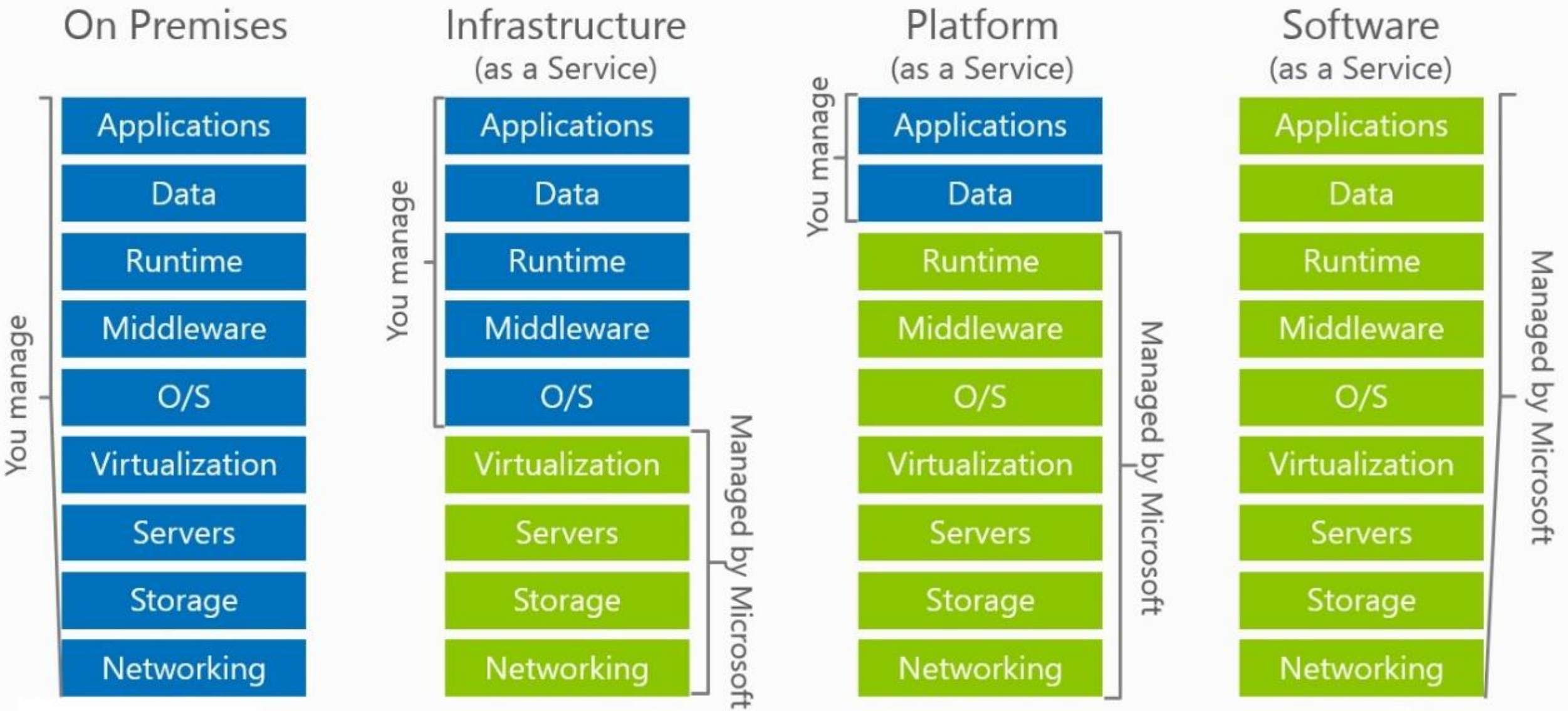
The calculation of this Service Level Goal will not include loss of availability from the following causes:

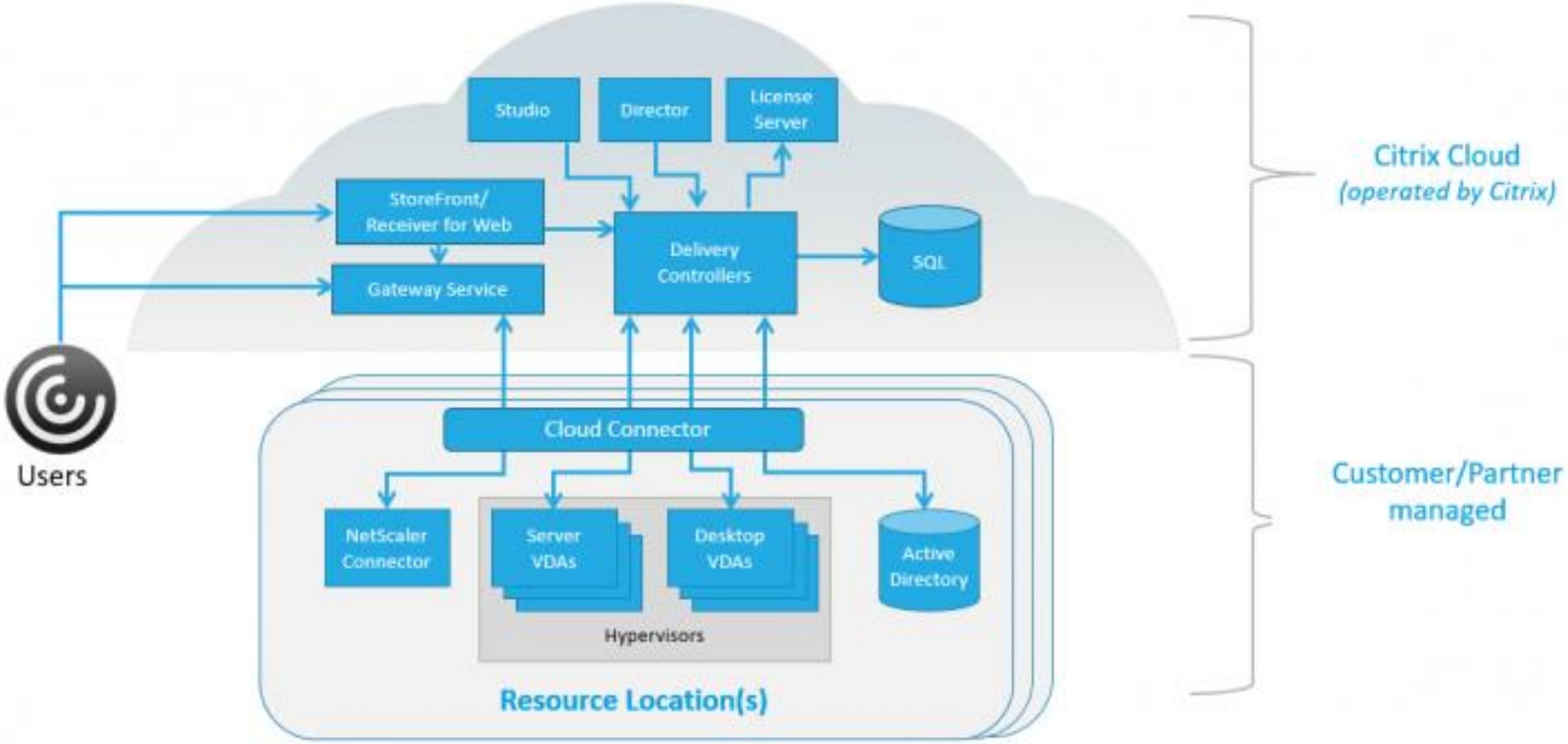
Customer failure to follow configuration requirements for Citrix Cloud documented on http://docs.citrix.com/en-us/citrix-cloud.html.

Any component not managed by Citrix including, but not limited to, customer controlled physical and virtual machines, customer installed and maintained operating systems and software, customer installed and controlled networking equipment or other hardware; customer defined and controlled security settings, group policies and other configuration policies; public cloud provider failures, Internet Service Provider failures or other external to Citrix's control.

Service disruption due to reasons beyond Citrix's control, including natural disaster, war or acts of terrorism, government action.

Cloud Models





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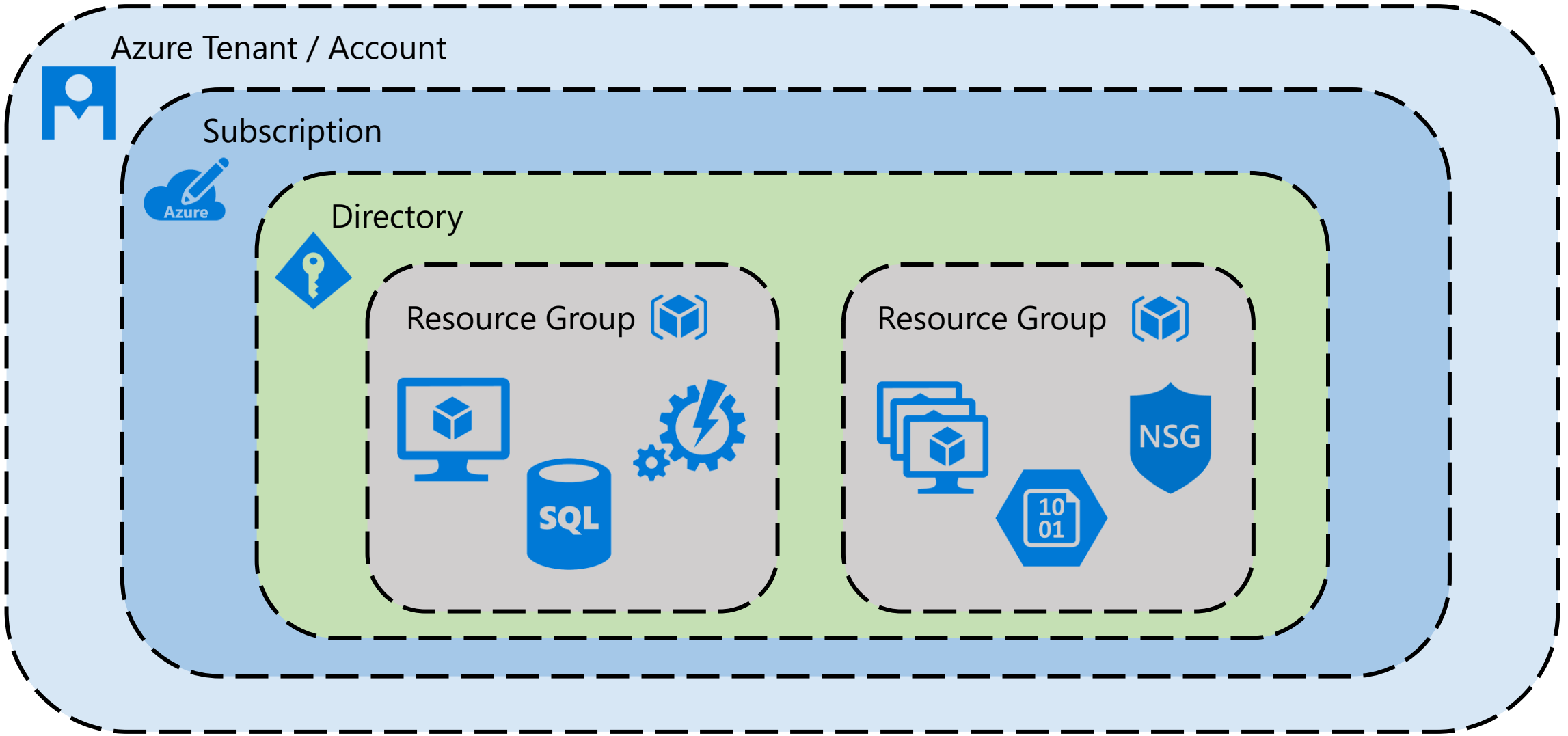
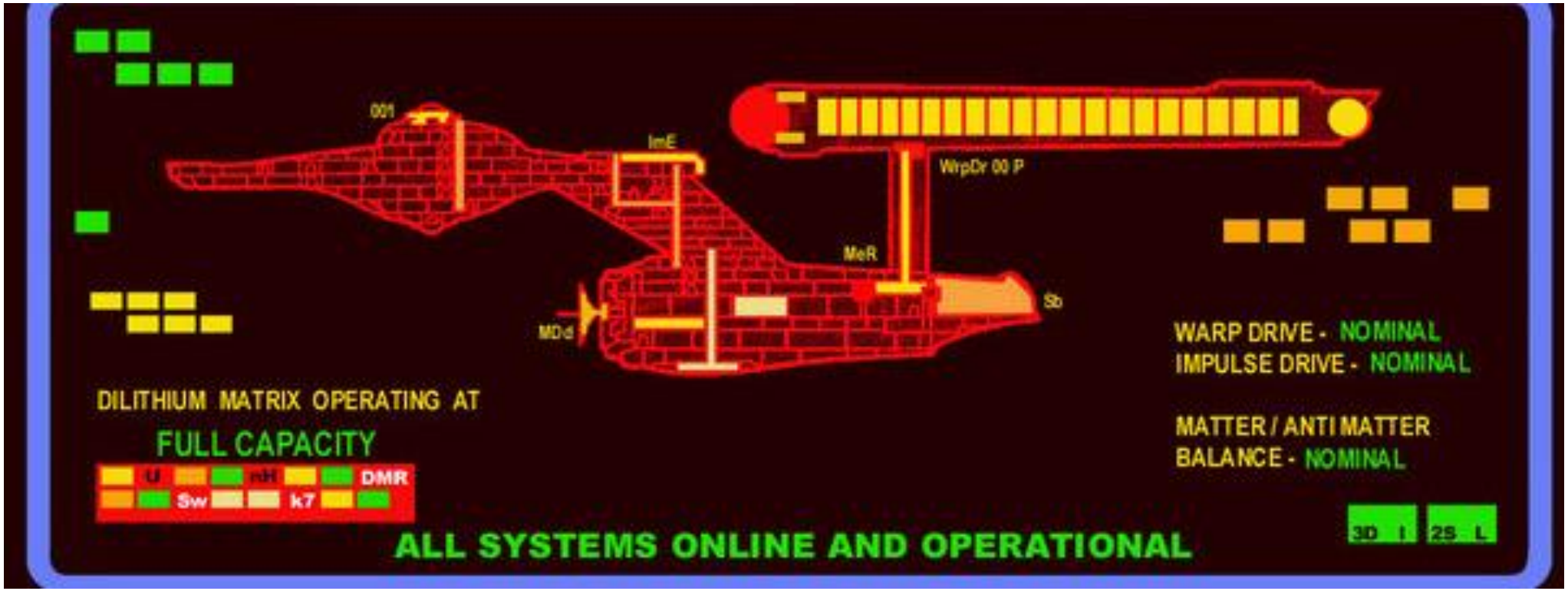
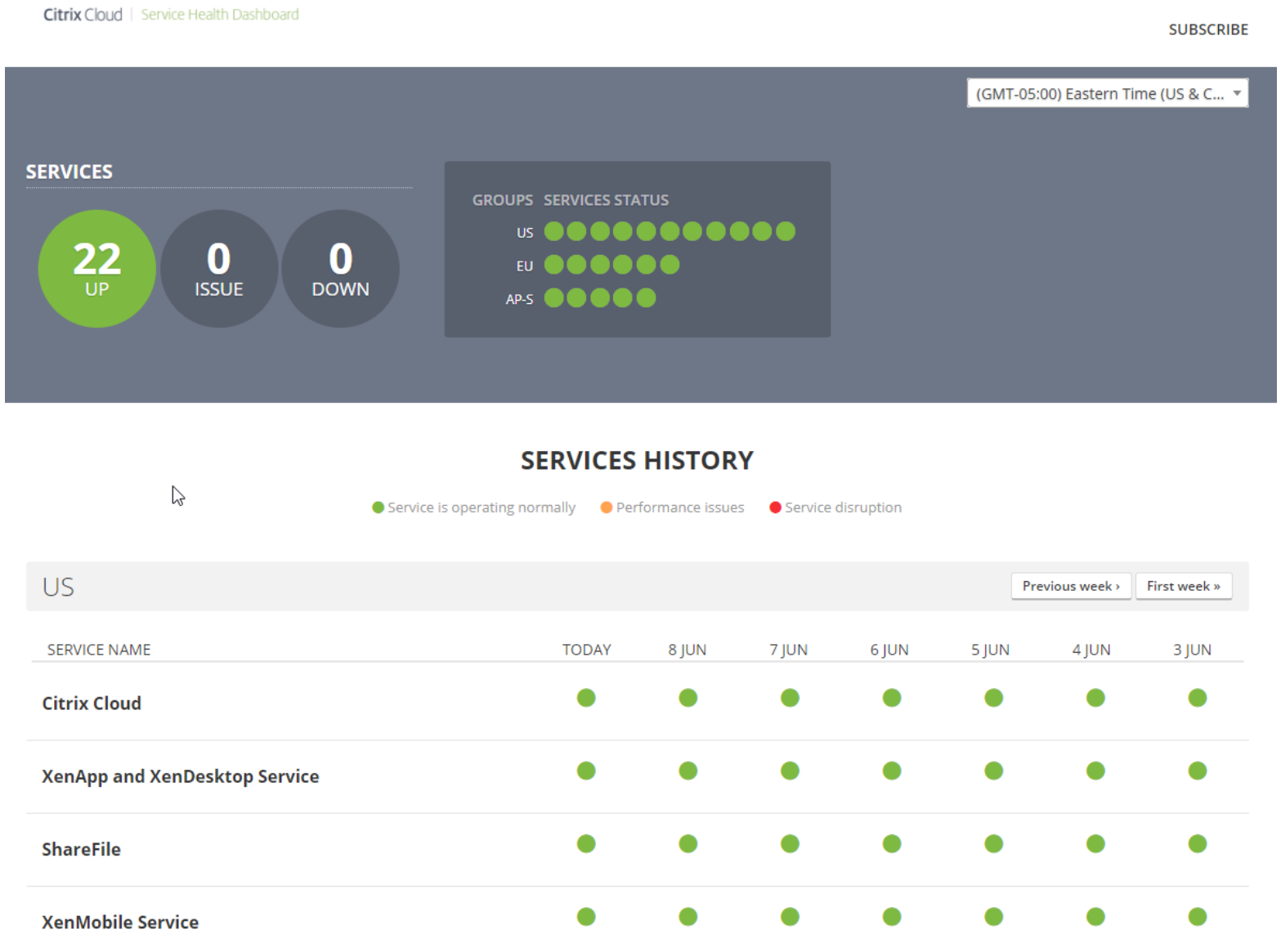
Azure


Azure Tenant / Account
Subscription
Azure
Directory
Resource Group
SQL
Resource Group
NSG
10
01

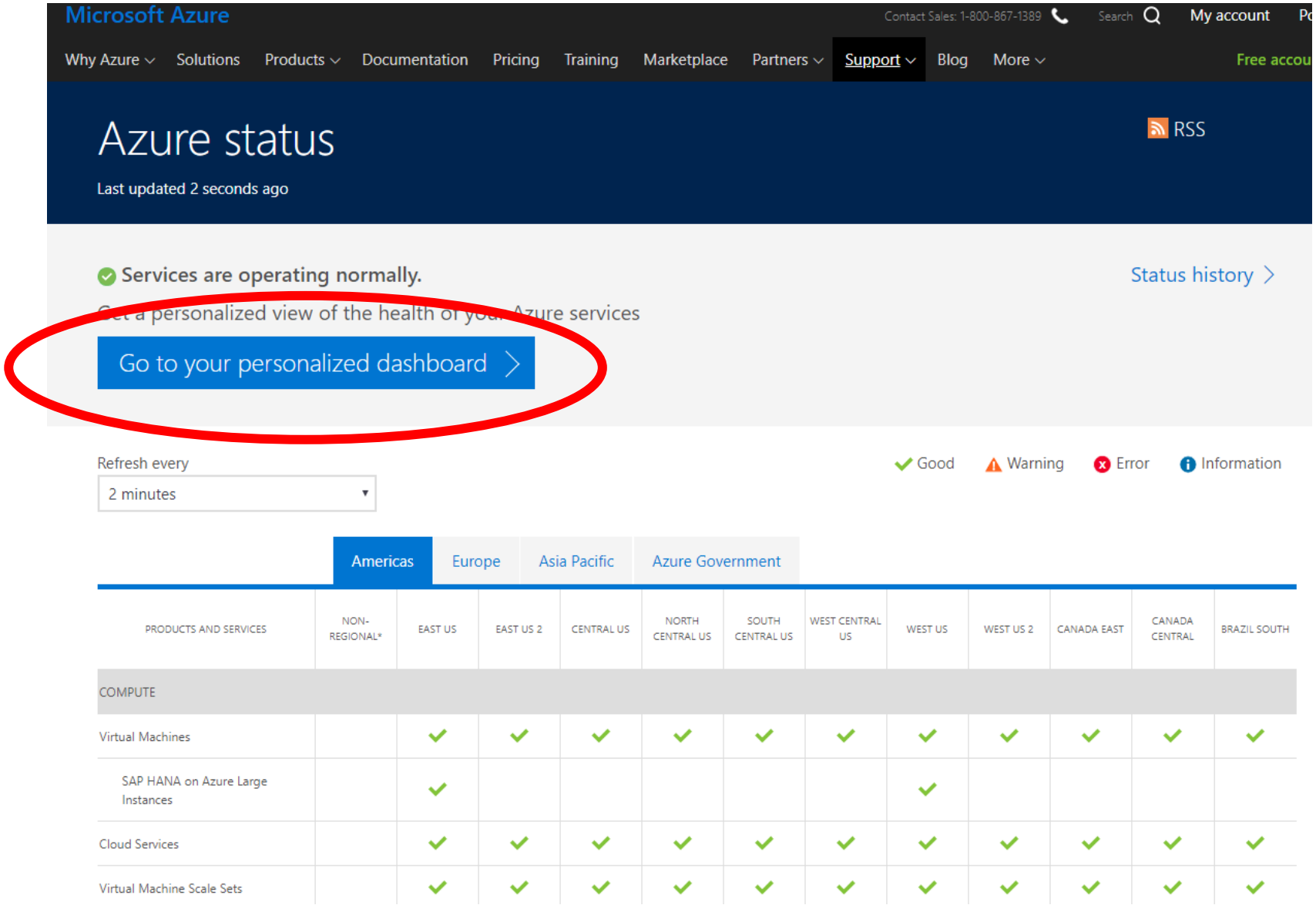


Service Status

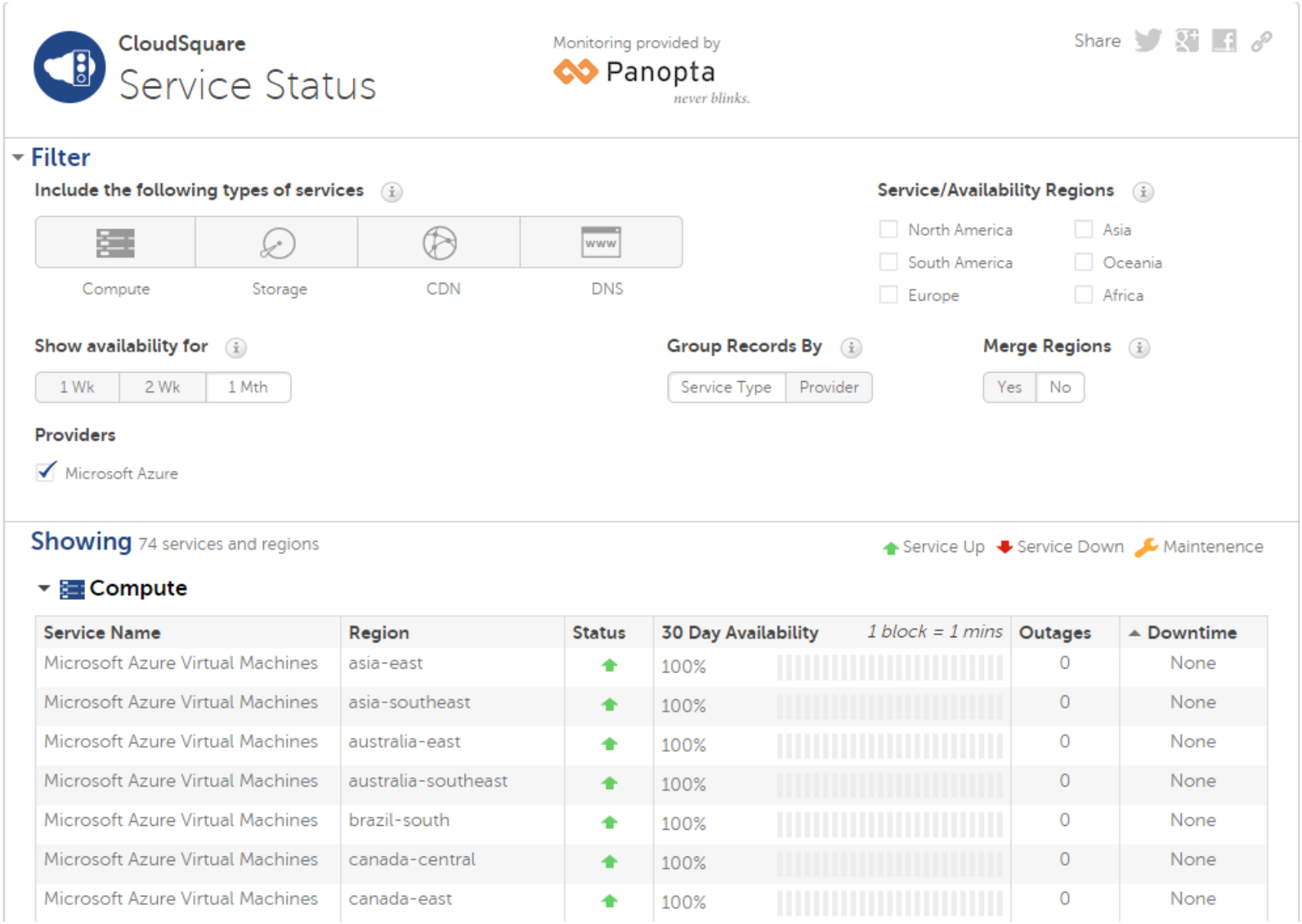
https://status.cloud.com



https://azure.microsoft.com/en-us/status



https://cloudharmony.com/status-for-azure

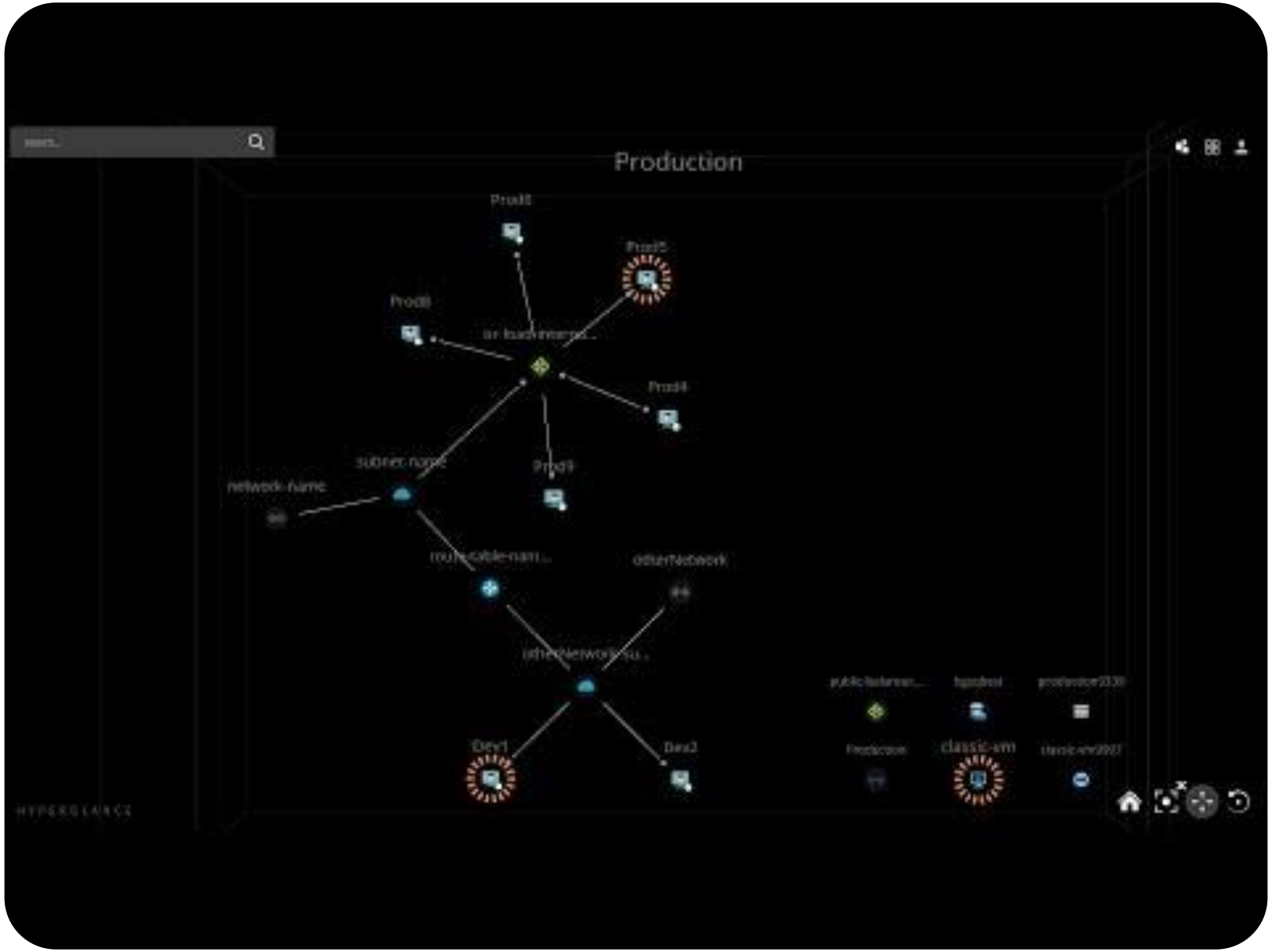


eGInnovations

Goliath Technologies

Others??

Hyperglance



Tips

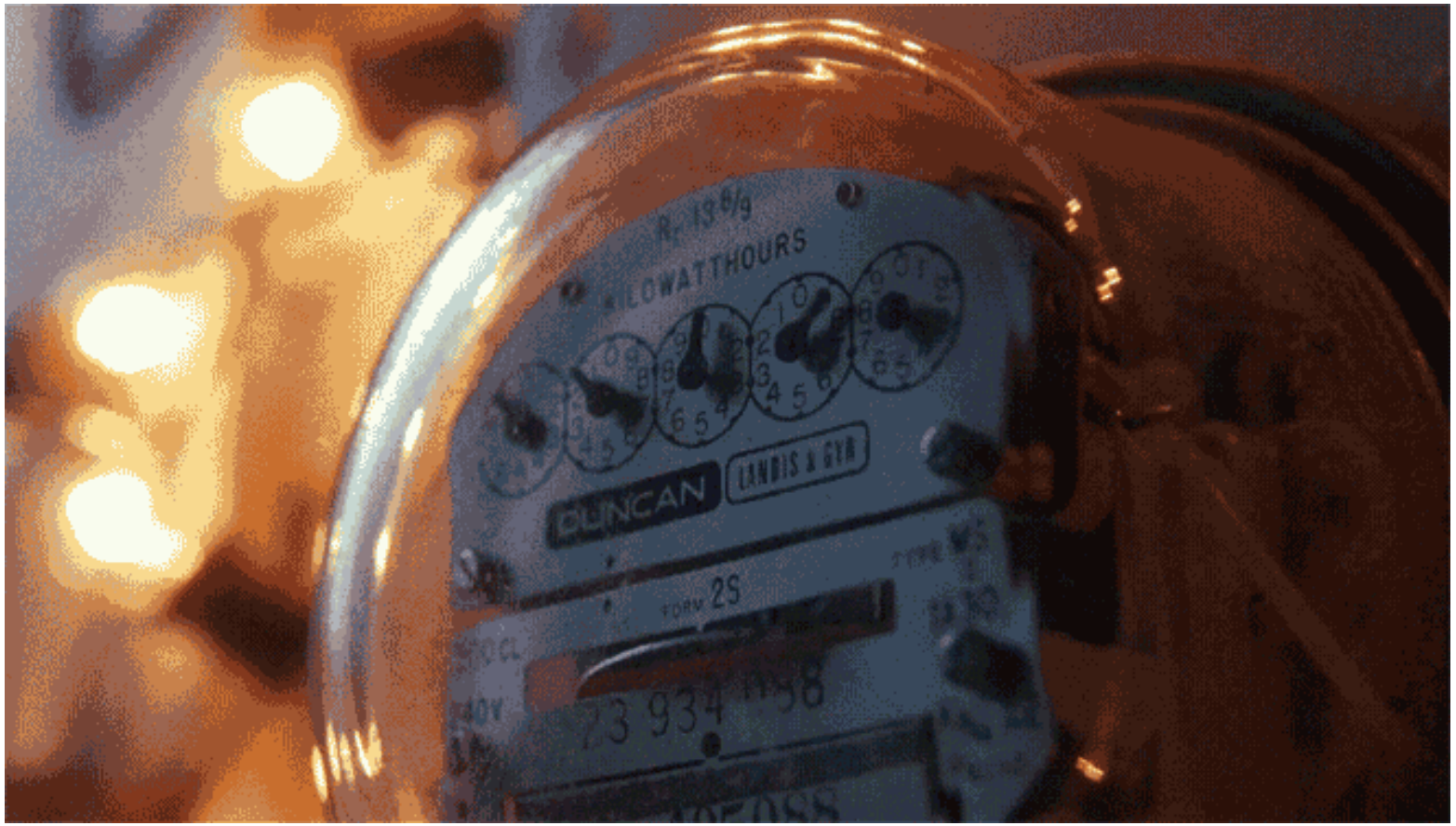
Shifting Baseline Syndrome

The belief that what we perceive is what's normal, not taking into account the full extend of the past nor potential for future events.

The syndrome is named after scientist Daniel Pauly, who said that each generation accepts "as a baseline the stock size and species composition that occurred at the beginning of their careers, and uses this to evaluate changes. When the next generation starts its career, the stocks have further declined, but it is the stocks at that time that serve as the new baseline."

Therefore **what is "normal" is constantly changing.**

Consumption



Watch Your Spend

WestUS 2

DS1_v2	Standard	General purpo	1	3.5	4	3200	7 GB	SSD	1,2,3	$42.41
DS2_v2	Standard	General purpo	2	7	8	6400	14 GB	SSD	1,2,3	$84.82
DS3_v2	Standard	General purpo	4	14	16	12800	28 GB	SSD	1,2,3	$170.38
DS4_v2	Standard	General purpo	8	28	32	25600	56 GB	SSD	1,2,3	$340.75

South Central US

DS1_v2	Standard	General purpos	1	3.5	4	3200	7 GB	SSD	$47.62
DS2_v2	Standard	General purpos	2	7	8	6400	14 GB	SSD	$94.49
DS3_v2	Standard	General purpos	4	14	16	12800	28 GB	SSD	$188.98
DS4_v2	Standard	General purpos	8	28	32	25600	56 GB	SSD	$378.70

50 regions worldwide

140 available in 140 countries

Be Aware of your Limits

https://docs.microsoft.com/en-us/azure/azure-subscription-service-limits

Resource	Default Limit	Max Limit
Cores per sub	20	10,000
VMs per sub (RM)	20 per region	10,000 per region
VM total cores (RM)	20 per region	10,000 per region
VM per series	20 per region	10,000 per region
Resource Groups per sub	800	800
RM API Reads	15000 per hour	15000 per hour
RM API Writes	1200 per hour	1200 per hour
RM API Request Size	4194304 bytes	4194304 bytes
VMs per cloud service (ASM)	50	50

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Open Source – Websites - Toolsets - Frameworks

> https://www.azurespeed.com - Azure Latency, CDN, Storage, and Info site
> https://azurespeedtest.azurewebsites.net - Latency measurements to Blob Storage
> https://cloudharmony.com - Most things cloud and cloud testing
> https://bgp.he.net/AS8075#_graph4 – Blame the network ;-)

> Azure API's
> PowerShell & CloudShell
> Windows Admin Center

> Grafana, Elastic Stack, Prometheus, Graphite, Telegraf, LogStash, Kibana, etc…
> Integrate with Zabbix, Nagios, Cacti, Icinga, OpenNMS, etc…

Demos

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