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Is the Traditional Network Dead?



What does it mean to be DEAD?



dead adjective



\ 'ded 🕡 \

Definition of *dead* **(Entry 1 of 3)**

- 1 : deprived of life: no longer alive
 - // a dead tree
 - // dead soldiers
 - // missing and presumed dead
- **2 a (1)** : having the appearance of death : DEATHLY // in a *dead* faint
 - (2) : lacking power to move, feel, or respond : <u>NUMB</u>
 // my arm feels *dead*

The life of the li





https://www.networkworld.com > article > are-firewalls-...

Are Firewalls Dead? - Network World.com

Jul 18, 2012 — No, really. With so many of today's attacks coming over port 80, is your **firewall** providing any defense anymore? Has the **firewall** outgrown its ...

https://oxfordcomputergroup.com > resources > traditio...

The Traditional Perimeter is Dead, Now What?

Jan 12, 2017 — Instead of 'perimeter thinking', we need to implement policies that protect data and information regardless of the device being used or its ...

https://www.infosecurity-magazine.com > infosec > zer...

The Wall Has Fallen, but Zero-Trust Architectures Can Save You

Oct 19, 2020 — A collection of CISOs operating as the Jericho Forum heralded the **death** of **the network perimeter** in 2004, announcing it as 'deperimeterization.' ...

https: the-ip-address-is-dead

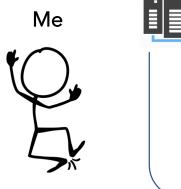
The IP address is dead

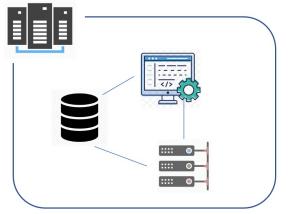
Jun 15, 2022 — Regardless of what you may have heard, the IP address is in fact, dead.

Brought down by several public clouds that replicate the same ...



You don't choose Multi-Cloud



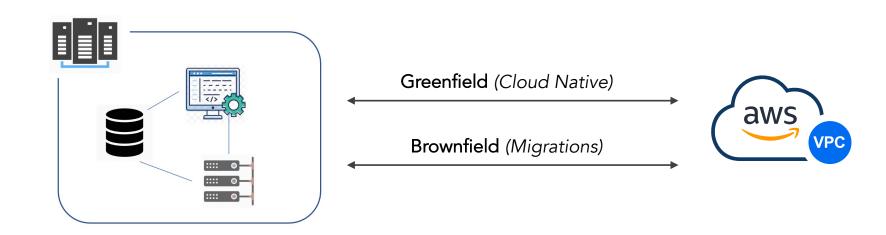


Greenfield (Cloud Native)



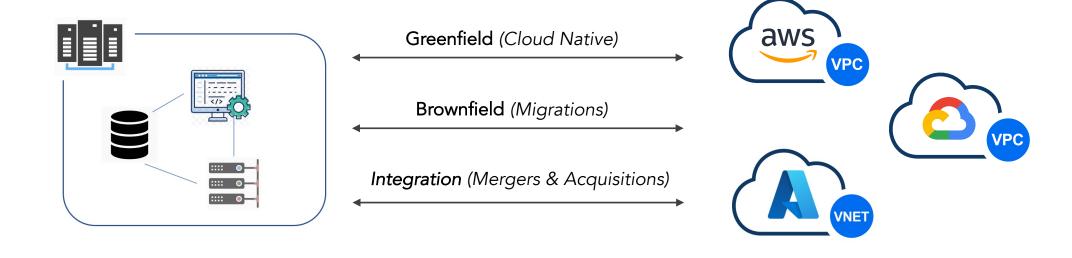


You don't choose Multi-Cloud



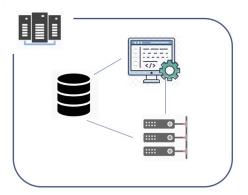


You don't choose Multi-Cloud





Data Centers

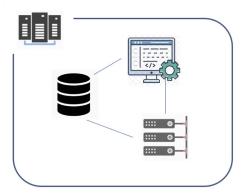




Public Clouds



Data Centers





Public Clouds

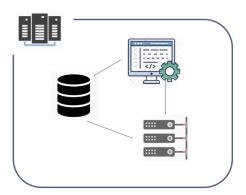
HIPAA

GDPR

PCI-DSS



Data Centers





HIPAA

GDPR

PCI-DSS



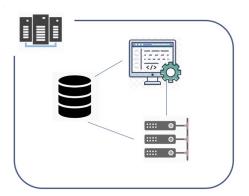
More Patterns

- (Internet Access
- Identity & Access Management
- Cloud Endpoints to On-Premises
- On-Premises to Cloud Endpoints

Public Clouds



Data Centers



HIPAA

GDPR

PCI-DSS



Public Clouds



Data Leakage + Exfiltration



More Patterns

- Internet Access

- On-Premises to Cloud Endpoints





Bad Actor

(Loves stealing Data)

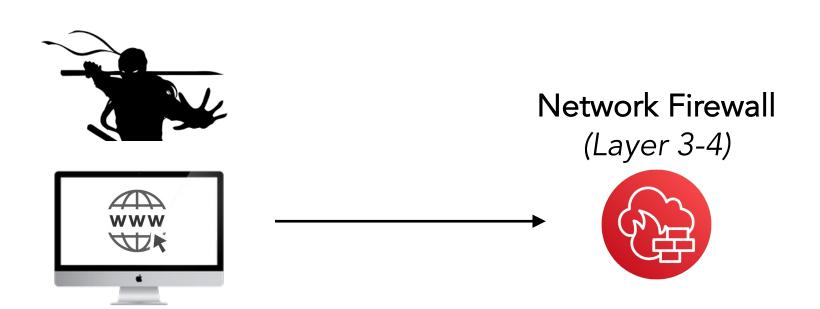


Williams's Cereal Supply

(E-Commerce Giant)









(Layer 3-4)







Web App Firewall (Layer 7)



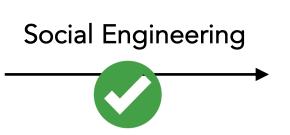


(Layer 3-4)













(Layer 3-4)

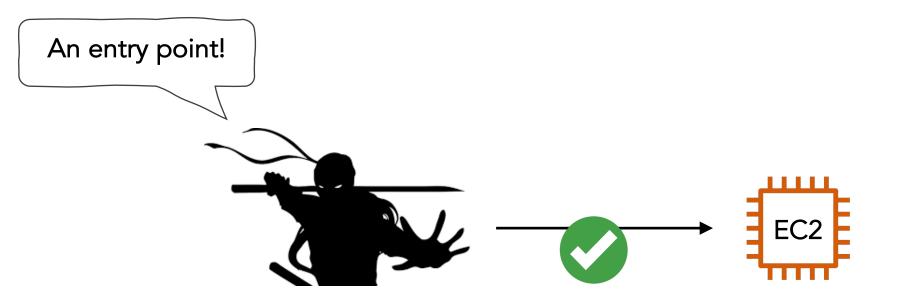


(Layer 7)





Social Engineering





(Layer 3-4)

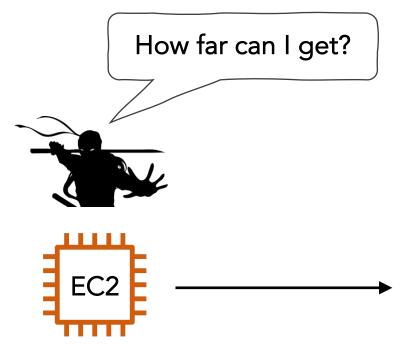


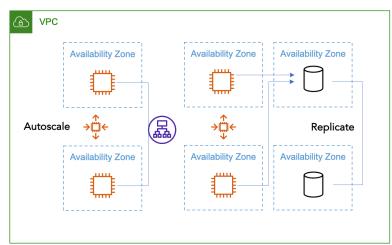
(Layer 7)





Social Engineering







(Layer 3-4)



(Layer 7)



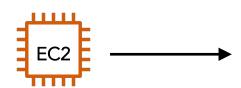


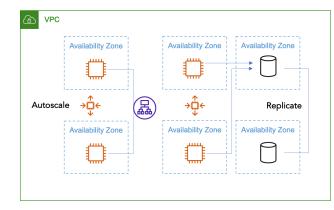
Social Engineering

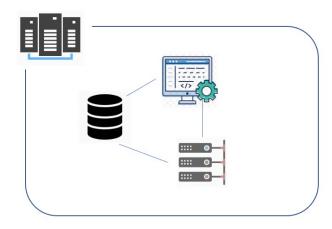
IAM (Resource Level)











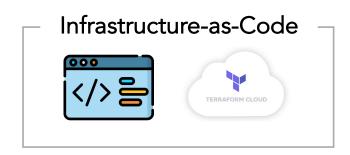


Network + Security + Cloud

Shift Left:

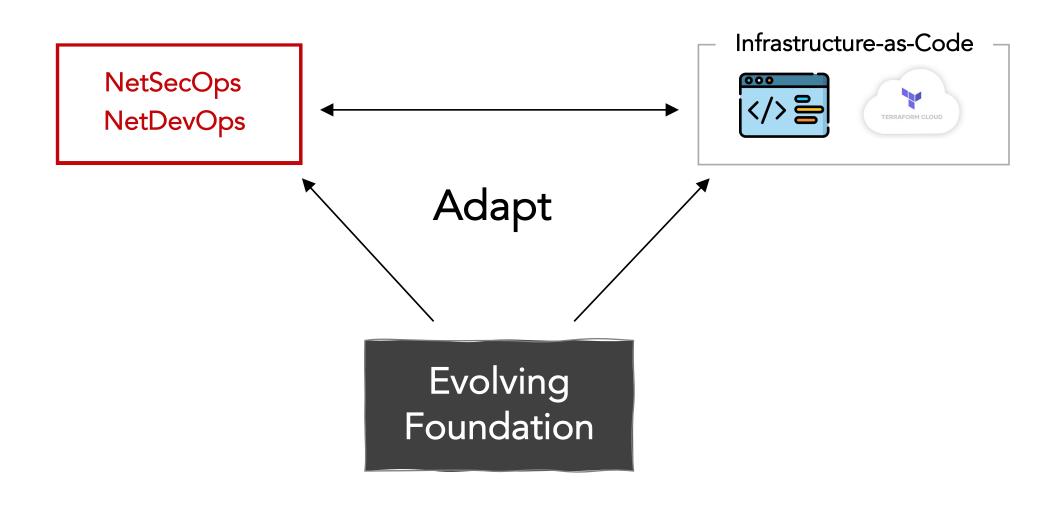
Ensuring desired intent while *proactively* validating security requirements are met prior to any workload being connected







Network + Security + Cloud



Demo