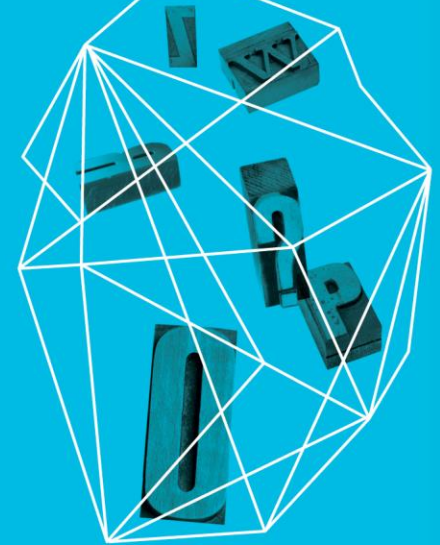


**KNOW YOUR ENEMY
KNOW YOURSELF**
知彼知己，孙子兵法

JOHN ELLIS
AKAMAI TECHNOLOGIES

Security in
knowledge



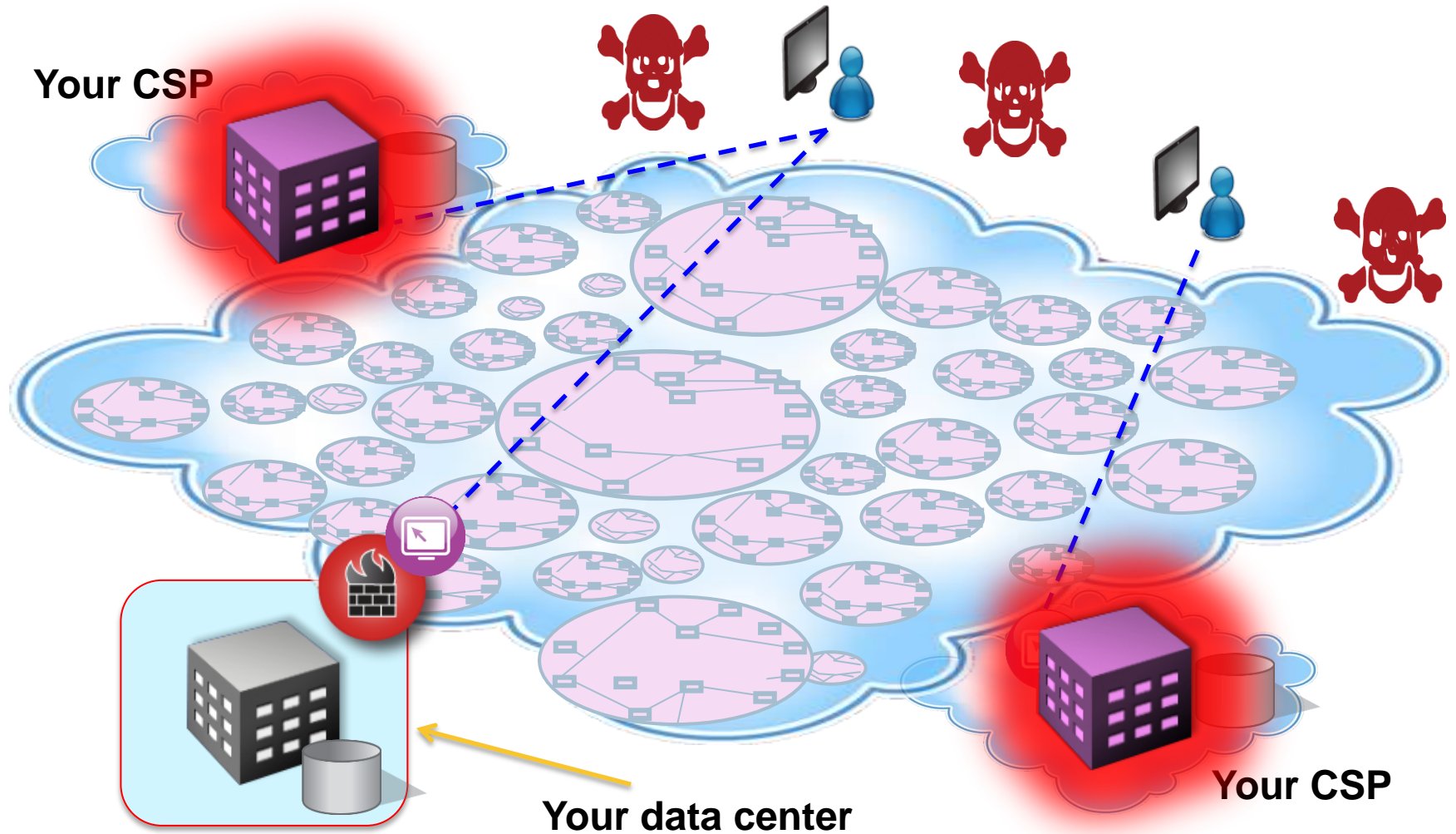
— Know your enemy 知彼

- ▶ Attackers are moving to the cloud
- ▶ Increasingly malware is becoming FUD
- ▶ DDoS attacks increasing – just ask the US FSI
- ▶ Attacks are increasing in sophistication and automation
- ▶ Warfare is no longer symmetrical, it is now asymmetrical
- ▶ Your adversaries know your Achilles heel, do you?

— Know yourself 知己

- ▶ What is my Achilles heel?
 - ▶ Trends are eroding the effectiveness of the perimeter and other security solutions
- ▶ What does normal look like for me?
 - ▶ How do you make sense of all of this data? Do you have security intelligence?
- ▶ How do I control access to my data and services?
 - ▶ Do you federate with the CSP, do you encrypt, what do you encrypt, how do you encrypt?
- ▶ How do I respond to a security breach in the cloud?
 - ▶ Do you have a plan?

Is the perimeter dead?



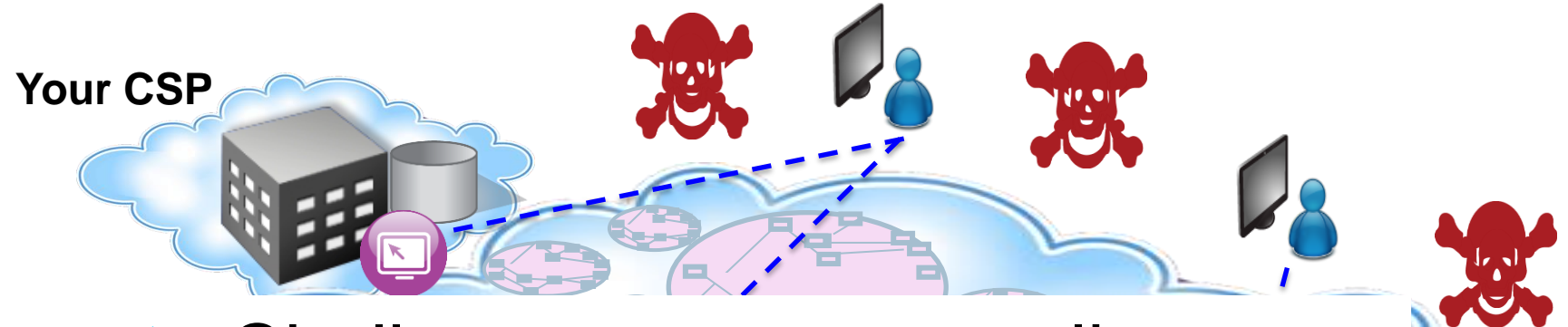
— Meet the enemy at 'their' front door



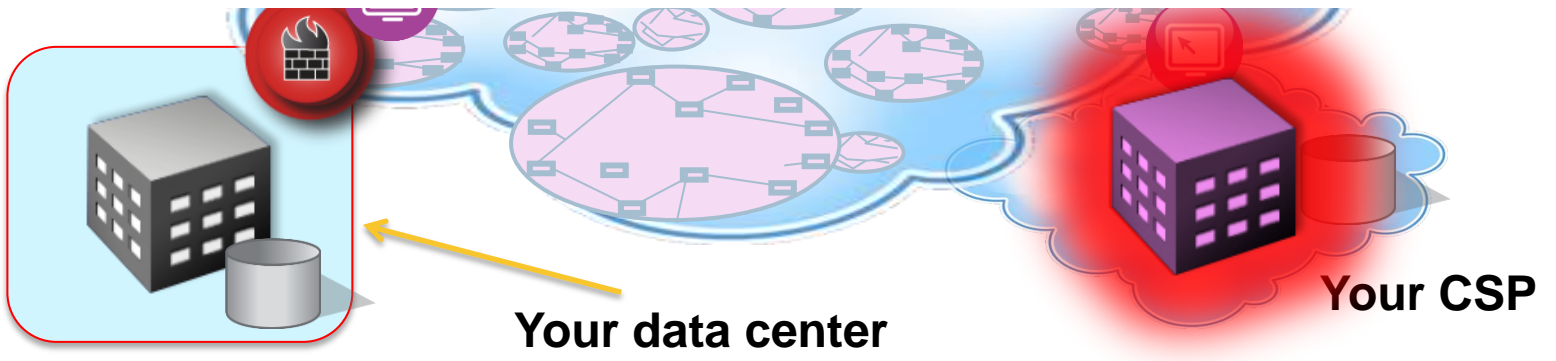
DIY Cloud Security



DIY cloud security – legacy thinking



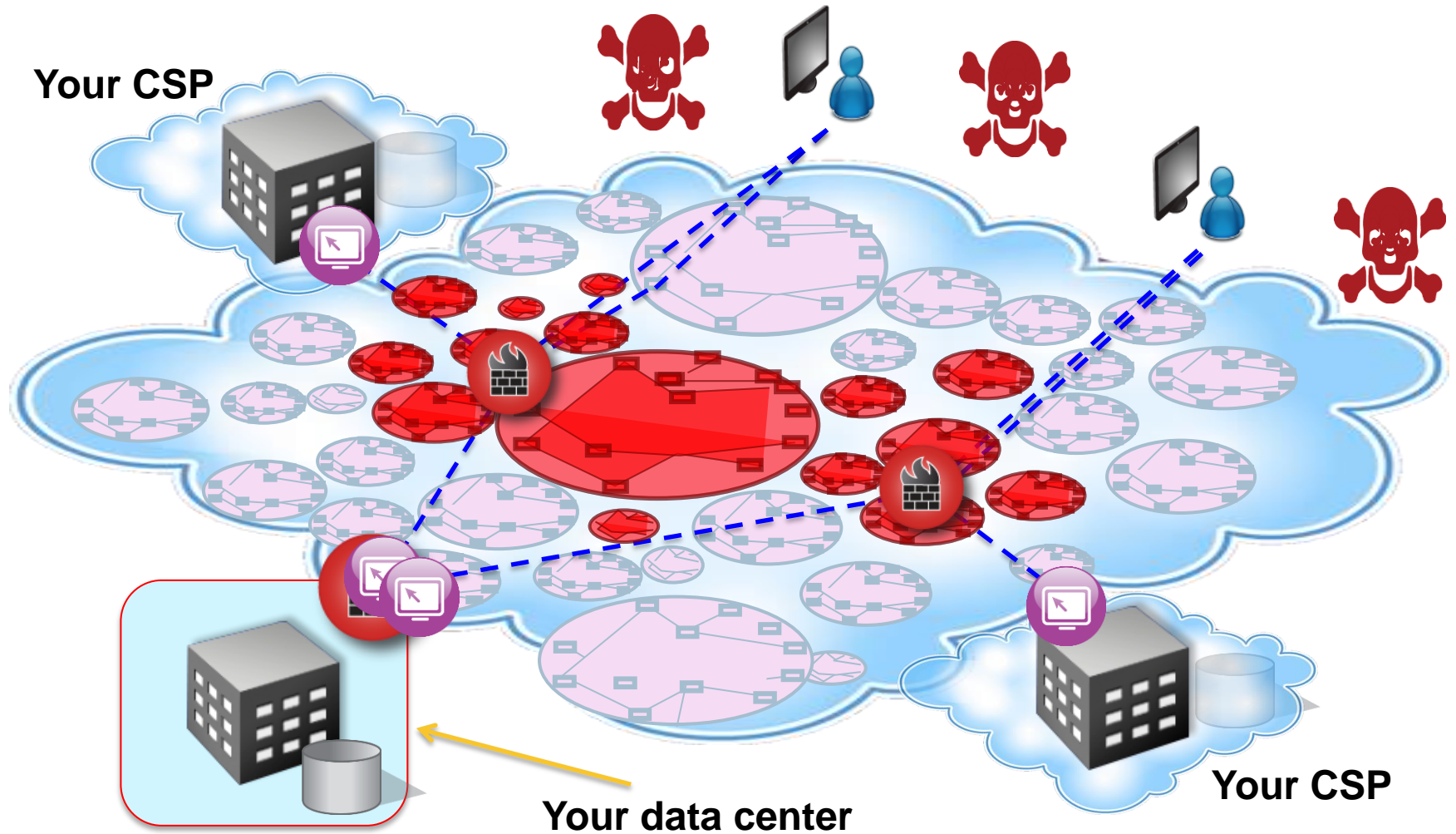
- ▶ Challenge to manage policy
- ▶ Scalability and capacity issues
- ▶ Poor solution for DDoS attacks



Mega POP



Mega POP – struggle for scale



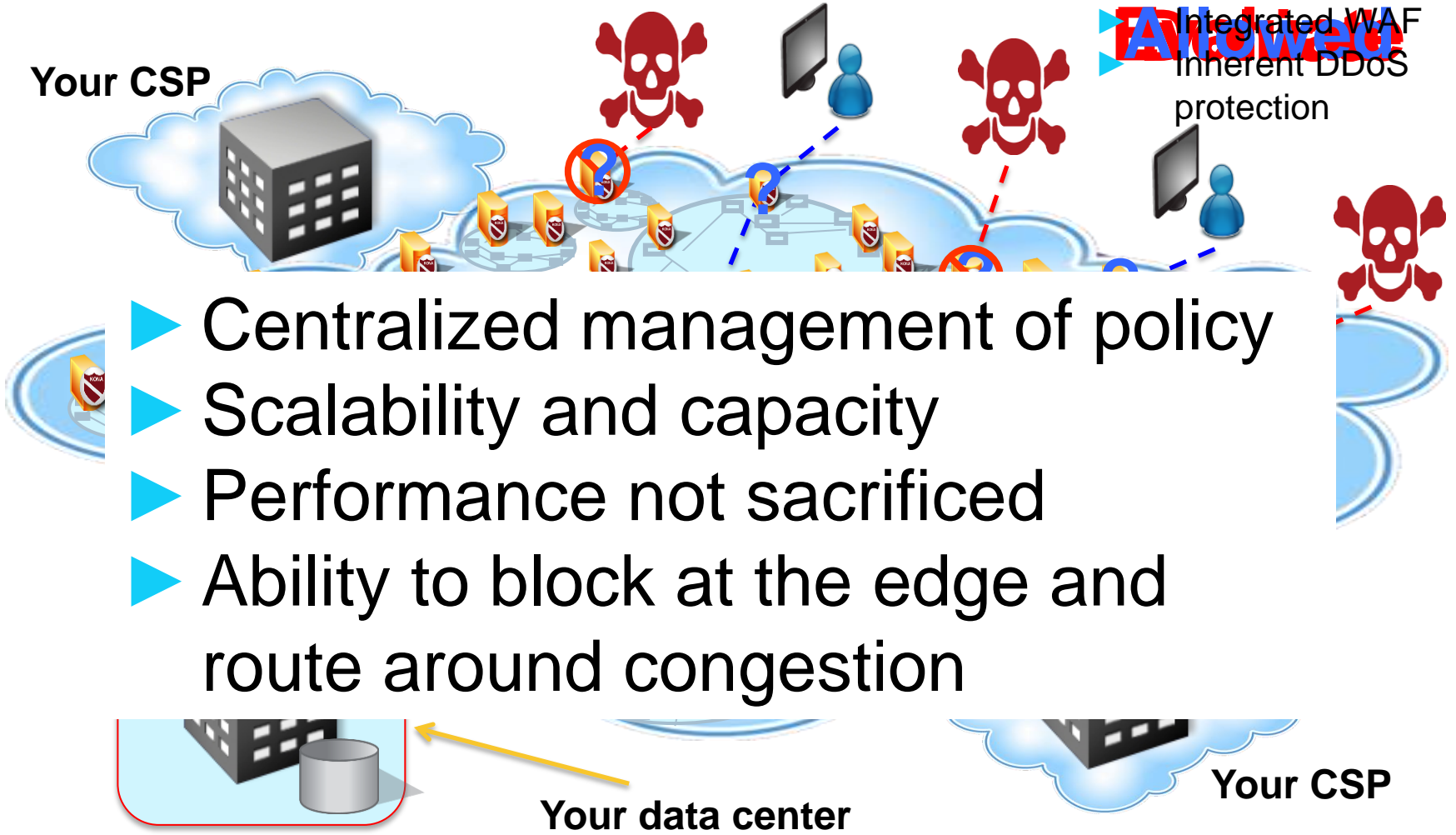
Cloud Security Network



Cloud Security Network

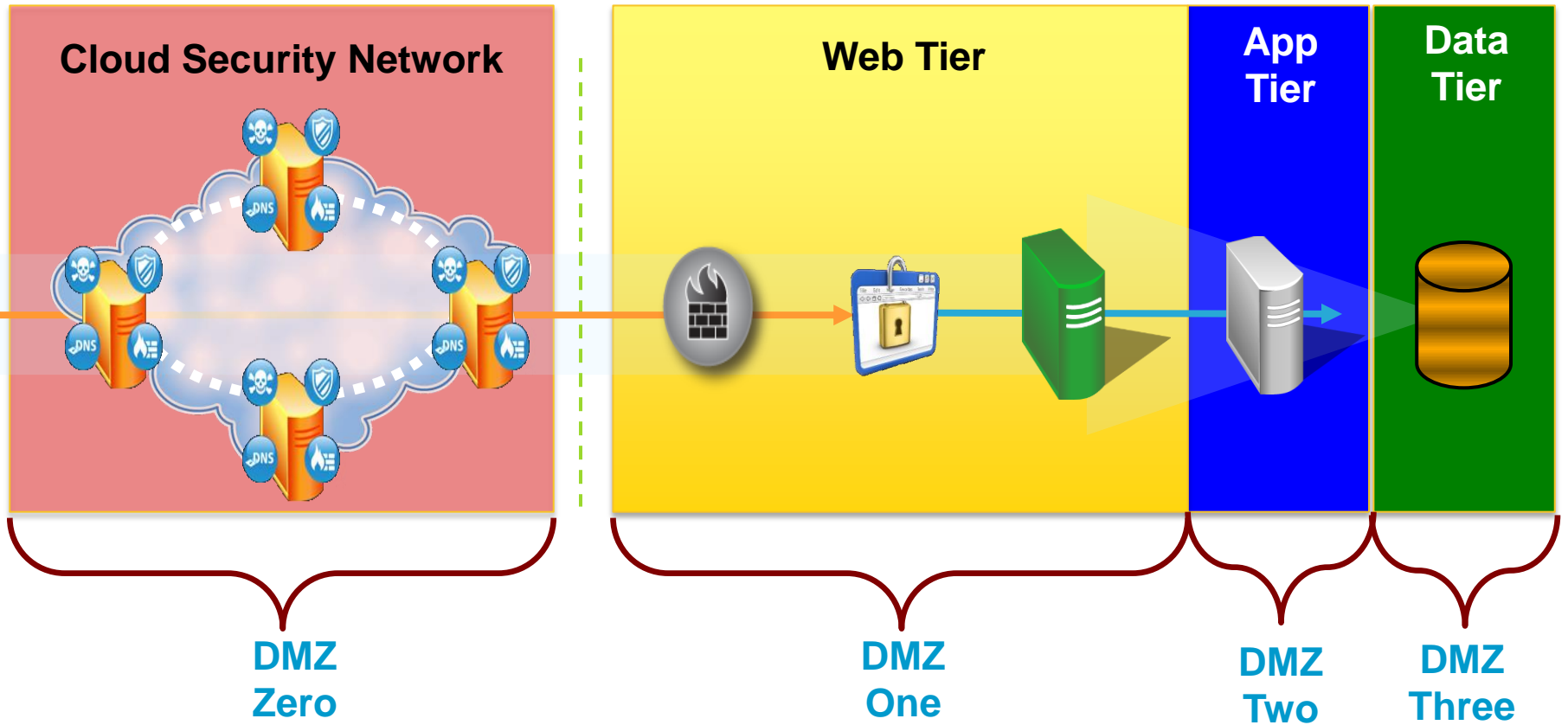
- ▶ 10,000s of servers in 1000s of networks
- ▶ ~~Allowed~~ Integrated WAF
- ▶ Inherent DDoS protection

Your CSP



- ▶ Centralized management of policy
- ▶ Scalability and capacity
- ▶ Performance not sacrificed
- ▶ Ability to block at the edge and route around congestion

Cloud Security Network – DMZ Zero



— The mythical silver bullet

- ▶ There is no end-state with security, just milestones, phases and stages
- ▶ Your adversaries have access to the same tools, same information as you do....what is the differentiator?
- ▶ A fixed perimeter is increasing your security risk, not reducing it!

Thank you

