# Implicit Deny: Building Transparent Pervasive Data Center Security

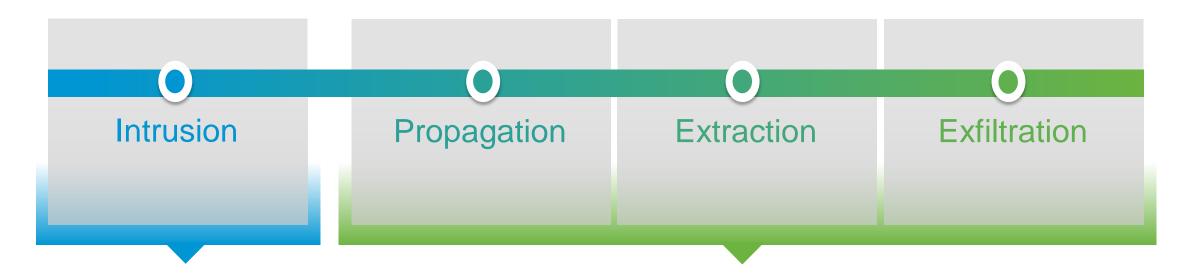
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## **Data Center Security Challenge**



### Modern Attack: Targeted, Interactive, Stealthy



#### **Stop Infiltration**

80% of the investment is focused on preventing intrusion

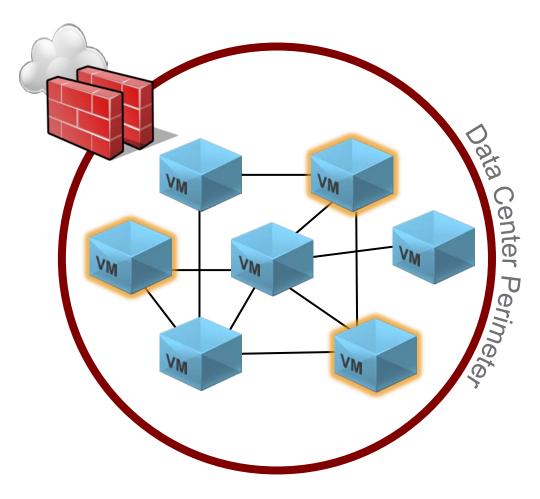
The attack surface is simply too wide

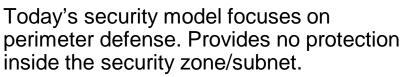
### **Stop Exfiltration**

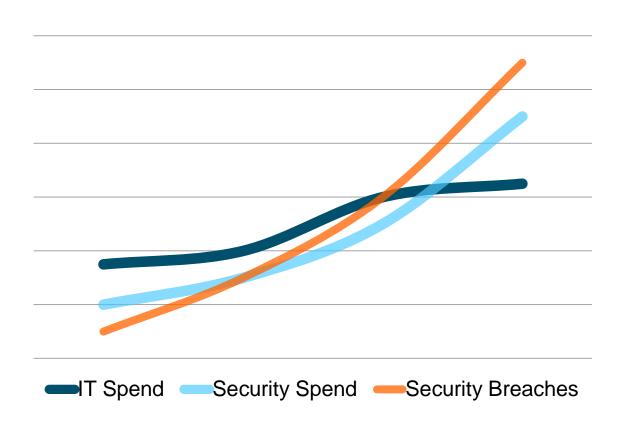
20% of the investment is focused on addressing propagation, extraction and exfiltration.

Organizations lack the visibility and control inside their data center

### The Problem: Perimeter Centric Security







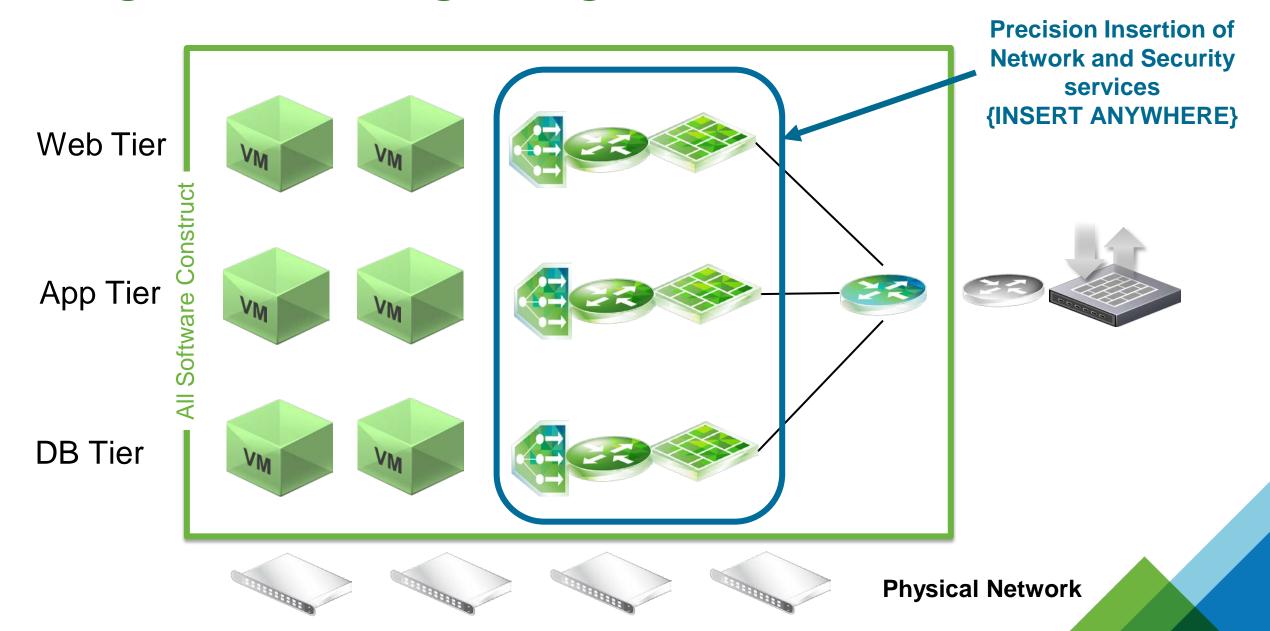
But continued security breaches show this model is not enough

# Solution: Virtual Networking and Security

Transparent, pervasive and logical security backplane

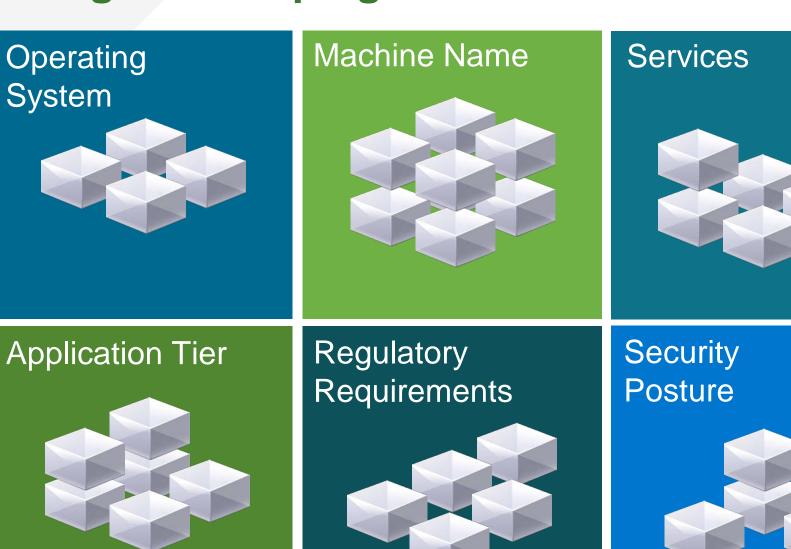


### **Logical Networking through Software Constructs**



### **Security via Intelligent Grouping**

- Create custom logical groups that match security requirements, beyond physical location
- Attached policies to logical groups
- Policies can be dynamically generated as threats detected



### **Logical Distributed Data Center Networking**

Logical policies are distributed, created once, exists everywhere

Policy moves the VM hywhere even to other or to Public Cloud (Amazon Racksnace, A Azure, Google Cloud, Savvis, etc.)

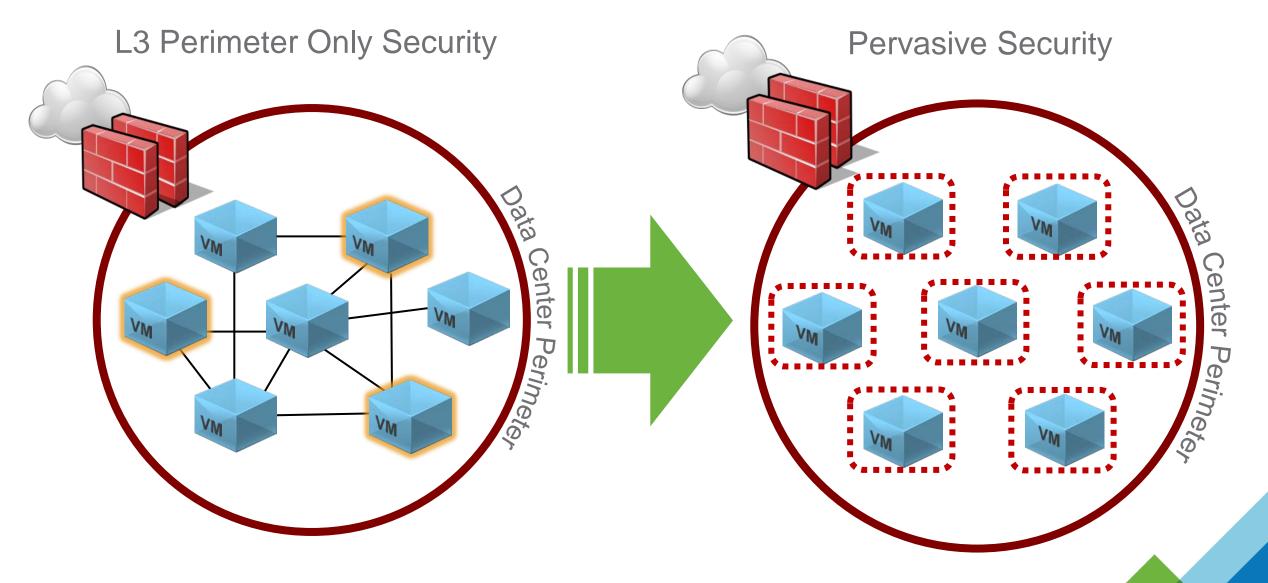




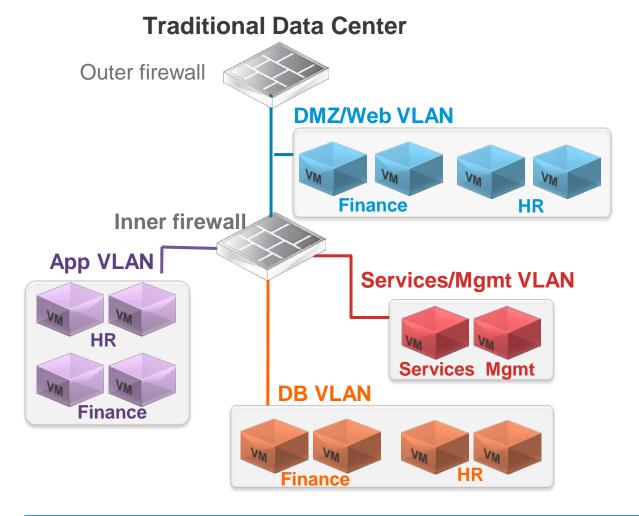
# Virtual Networking and Security Results



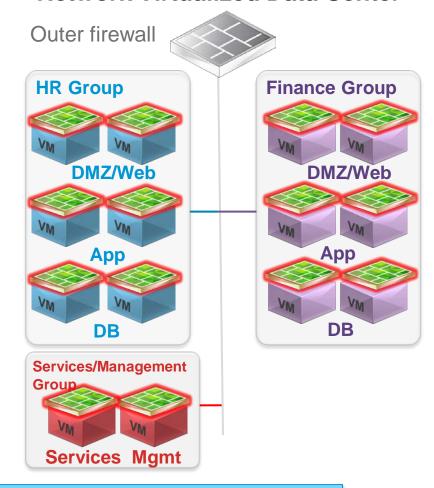
### **Micro Segmentation**



### **Applying Logical and Intelligent Security**



#### **Network Virtualized Data Center**

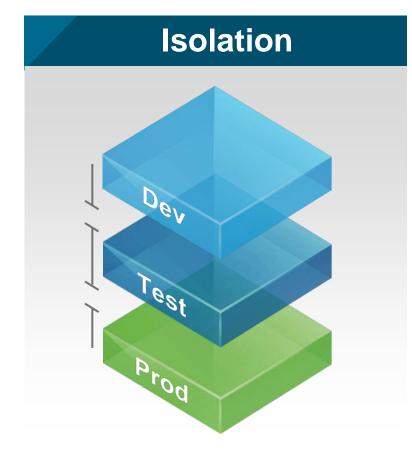


#### Simplifying network security

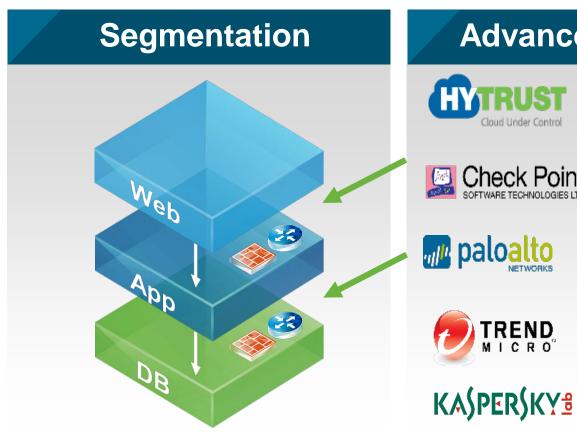
- Each VM can now be its own perimeter
- Control communication within a single VLAN

Policies align with logical groups

### **Isolation and Controlled Dynamic Service Insertion**



No communication path between unrelated networks



Controlled communication path within a single network



Advanced services: addition of 3<sup>rd</sup> party security, as needed by policy

### **Growing Adoption**

A rapid journey of customer adoption across industries

### 2000+ Customers

100% YoY growth

Consistent year-to-year











VVEST



























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### **Thank You**

