# Fueling your Road to the Cloud and Beyond



**ZIRAS ARISTEIDIS – Technical Account Manager**

# Confronted Dilemmas

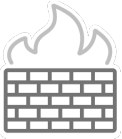Cysoft - TrendMicro Focus Partner

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# Hybrid Cloud Security Solution

## Network Security

Intrusion Prevention

Firewall

Vulnerability Scanning

Stop network attacks, shield vulnerable applications & servers

## System Security

Application Control

Integrity Monitoring

Log Inspection

Lock down systems & detect suspicious activity

## Malware Prevention

Anti-Malware

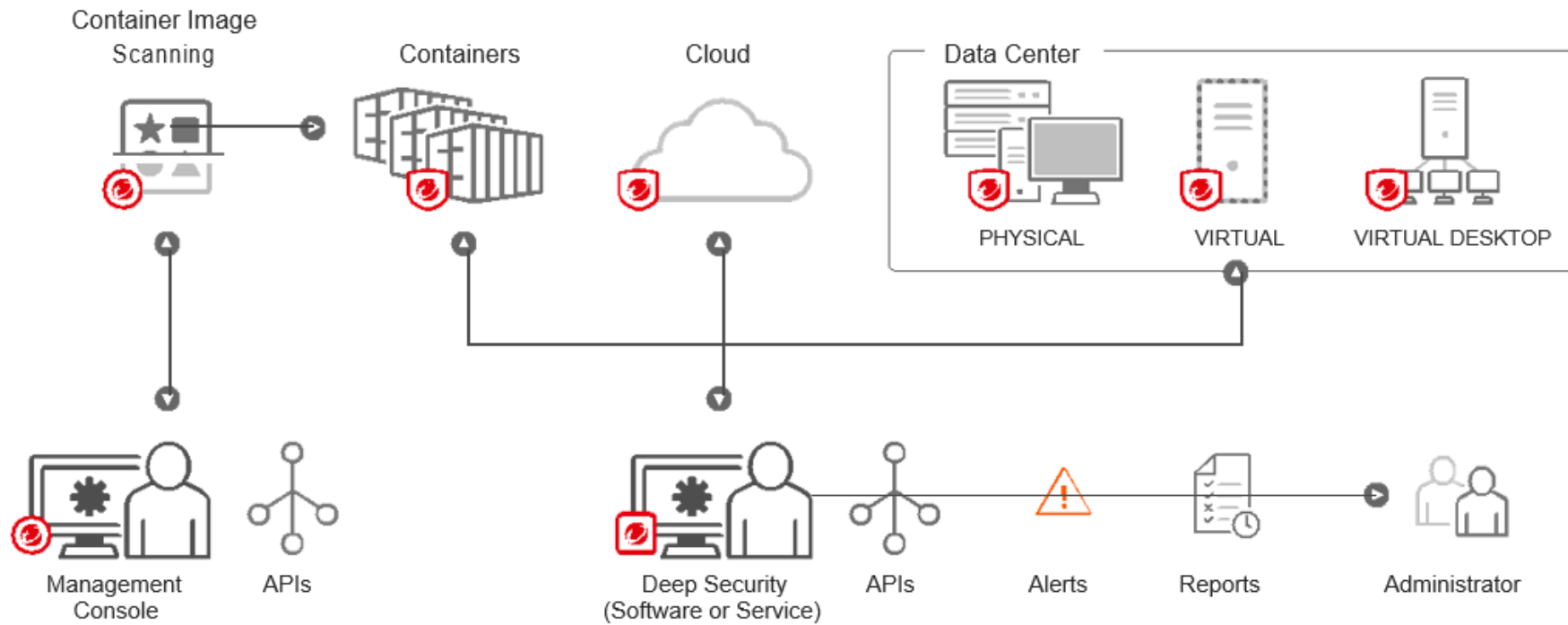Behavioral Analysis & Machine Learning (2H/17)

Sandbox Analysis

Stop malware & targeted attacks

vmware

Microsoft Hyper-V

openstack CLOUD SOFTWARE

amazon web services™

Google Cloud Platform

docker

NUTANIX NUTANIX READY NETWORKING & SECURITY

VCE

SAP

Microsoft Azure

IBM

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# Deep Security Protection



Container Image Scanning
Containers
Cloud
Data Center

PHYSICAL | VIRTUAL | VIRTUAL DESKTOP

Management Console
APIs

Deep Security (Software or Service)
APIs
Alerts
Reports
Administrator

Deep Security Protection
Deep Security Smart Check Protection
Deep Security Manager

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# Be Powerful

Protect against more threats faster

- A full range of security capabilities in a single smart agent
- Protection against vulnerabilities and end-of-life systems
- The ability to achieve and maintain regulatory and compliance requirements

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# Get Streamlined

## Consistent Security and Central Visibility

- Central visibility and reporting across environments

- Accelerated incident response through intuitive dashboards and actionable insights across your entire environment

- The ability to prevent security gaps by enforcing consistent security in a single solution across your traditional, virtualized and cloud environment

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# Go automated

## Optimized for key environments

- Full API enablement

- Trend Micro's Security Automation Hub: an easily searchable portal of best practices, script samples, API Key and documentation

- Connected Threat Defense, enabling the sharing of threat intelligence across Trend Micro and third-party security technologies

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# Deep Security Use Cases

# Virtual Desktop (VDI) Use Cases

Cysoft - TrendMicro Focus Partner

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# Securing Virtual Desktop Infrastructures (VDI)

**NTT** *Global Telecom*

**UNIADEX** *Communications*

**TELECOM ITALIA** *Global Telecom*

*Traditional security negatively impacting login performance, storage I/O, & security operations*

*Modernization project driven by data security; traditional security too slow, intrusive to use*

*Strategic shift to virtual commercial offerings; traditional security not optimized for virtual, fragmented*

## The results:

- Central, automated management of security for 30,000 VDI users

- Agentless security through tight VMware integration increased performance & reduced login times

- Central management & unique scan cache stabilized storage requirement and reduced storage needs by 70%

## The results:

- Automated deployment of security to over 2000 VMware Horizon View users

- Central reporting & logging reduced incident response time

- Tight VMware integration enabled centralized coordination of security and operational tasks, increasing performance and infrastructure responsiveness

## The results:

- Cloud service supporting 1000s of VDI users across 80 ESX hosts

- Agentless security increased performance & reduced login times

- Comprehensive security platform reduced operational impacts from new vulnerabilities with consistent virtual patching

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# Virtual Server Use Cases

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# Securing Virtual Servers

**MicroStrategy®**

*Efficiency and performance challenges across several data centers. Needed to secure dynamic infrastructure*

## The results:

- Eliminated productivity impacts on over 2,000 VMs

- Solved problems of simultaneous pattern updates and scans

- Automated security provisioning and gave IT complete control of security

**United Way®**

*Evolve security to align with new infrastructure and extend protection to VMs and VDI*

## The results:

- Reduced hardware by eliminating need for 2 VDI hosts and 4 server hosts

- Fast deployment process with VMware- 8 hours start to finish

- Minimized risk of disruptions in main data center

**KBN Kommunalbanken Norway**

*Fragmented and multi-system approach to security for the data center needed to be consolidated in one system.*

## The results:

- More efficient utilization of server resources

- Higher VM densities compared to traditional server security

- Optimized VM performance with agentless scanning

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# Cloud Workload Use Cases

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# Securing Cloud Workloads

**GLHC** GREAT LAKES HEALTH CONNECT
*Healthcare*

**matchmove**
*Digital Entertainment*

**Major motion picture company (not Sony)**
*Media & Entertainment*

*Needed flexible infrastructure and security controls to protect data and comply with evolving regulations.*

*Wanted to focus on building products and expanding business, not on managing security.*

*Small IT team struggles to meet business demands and protect web sites against attack.*

## The results:

- Usage-based security pricing and scalable infrastructure aligned costs with revenue

- Shared security model enabled launch of a HIPAA compliant solution in days vs. months

- Flexible security controls enable fast process or policy changes to adapt to market demands

- Eliminated need for data centers, saving $200,000/ year

## The results:

- Launched a PCI compliant online payment solution in under 6 months

- Seamless AWS integration and breadth of security capabilities in single solution, simplified set up and made Trend Micro an easy choice

- Support aggressive growth plans with ability to replicate a PCI-DSS compliant environment in 3 months vs. 2 years

## The results:

- Made web sites harder targets for hackers by hosting on secure AWS infrastructure, and augmenting with Trend Micro.

- Automatically apply security controls when new sites are launched – ensuring protection without manual provisioning

- Virtually patch servers and manage AWS kernel updates with small IT team – balancing risk and time to value.

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# Thank You