

Illumio Webinar

25. / 30. Mai 2023



Unkomplizierte Micro Segmentierung ohne Netzwerk-Umbau mit Illumio

Assume breach. Minimize impact. Increase resilience.

Alexander Goller
Senior Systems Engineer

Mai 2023

**Speed, sprawl,
and volume
of attacks are
increasing risk**



76% of organizations were **attacked by ransomware** in the last two years



63% were **breached** in the past year



It takes on average **212 days to identify a breach** and **75 days to contain a breach**



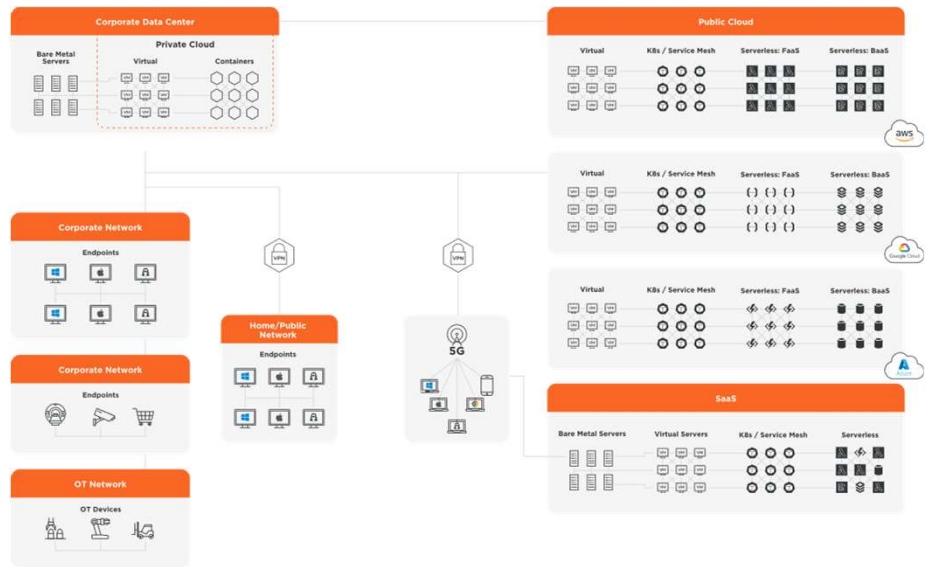
Enterprises spend a median of **37 days** and a mean of **\$2.4 million** to find and recover from a breach



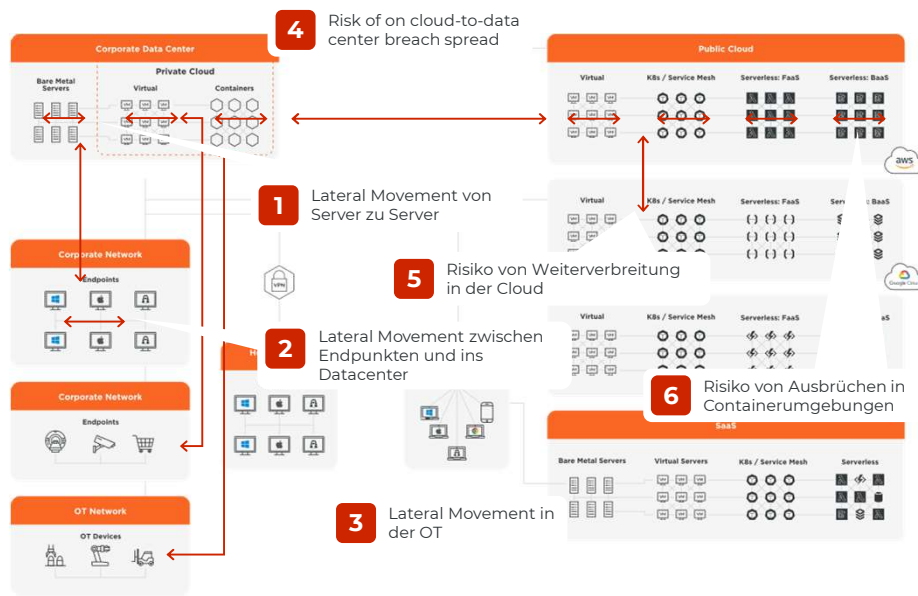
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Ein typisches Netzwerk



Und wie sich Angreifer sich darin bewegen können



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Die
Realität



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Das
Ergebnis

Scenario 1
Control test —
Illumio not deployed



30 min time to target



Scenario 2
Environmental
segmentation



1.5 hr time to target

3x longer



Scenario 3
Application
ringfencing



2.25 hr time to target

4.5x longer



Scenario 4
Tier-based
ringfencing



4.75 hr time to target

9x longer



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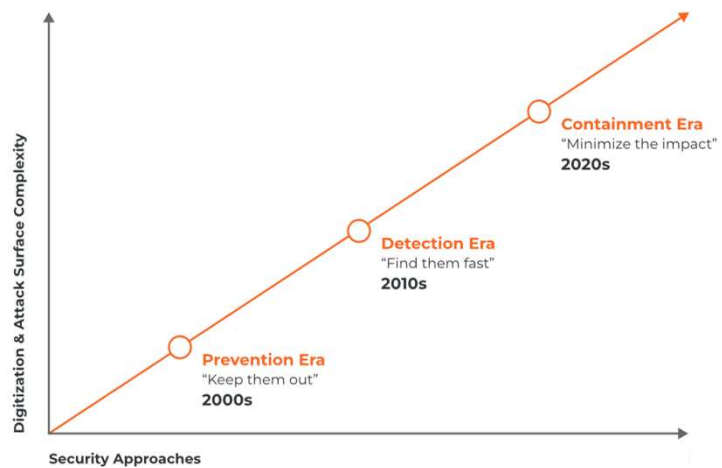
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Segmentierung ist ein erprobter,
Weg um das Risiko von Angriffen
zu minimieren

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**Breach
containment
is the new
paradigm**



Illumio mission

Enable every organization to realize a future without high-profile breaches



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AVANTEC
Competence. Security. Trust.

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Illumio ZTS Platform



Illumio Core

Segmentation for cloud and on-premises data center workloads. Reduce the impact of breaches and ransomware with three easy steps to stop the spread.

Illumio CloudSecure

Agentless segmentation for cloud-native workloads. Turn Zero Trust into a reality with visibility and agentless controls across hybrid and multi-cloud environments.

Illumio Endpoint

Segmentation for end-user devices. Eliminate the risk users pose to your environment by extending Zero Trust to endpoint devices.



Understanding your objectives

- Limit east-west spread of a perimeter breach
- Support diverse technology deployment
- Gain visibility into app-to-app traffic
- Leverage what you already own
- Move fast using automation



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Segmentierung ist schwer

Kaum Sichtbarkeit **Komplexe Netze** **Perimeter-zentrisch**

**Jeder Segmentierungs-
Change ist ein
Netzwerk-Change** **“Permit and pray”**



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Visibilität und Segmentierung mit Illumio

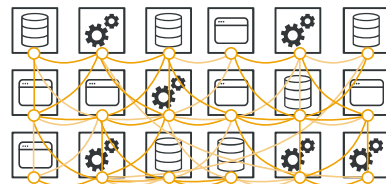
- 1 Traditionelle Netzwerke bieten wenig Sichtbarkeit



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Visibility and Zero Trust policy with Illumio

- 1 Traditional networks **lack visibility to safely enforce policy.**
- 2 Make sense of everything with **our real-time map of applications and connectivity.**



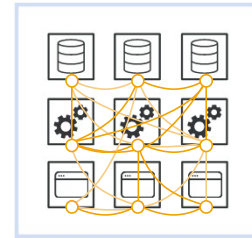
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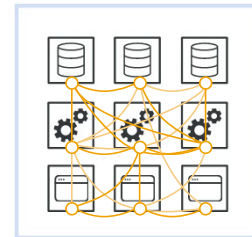
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Visibility and Zero Trust policy with Illumio

- 1 Traditional networks **lack visibility to safely enforce policy.**
- 2 Make sense of everything with **our real-time map of applications and connectivity.**



App 1

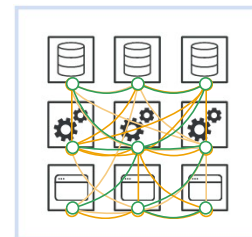


App 2

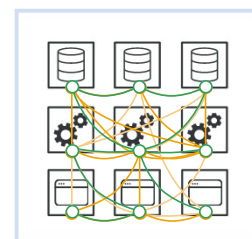
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Visibility and Zero Trust policy with Illumio

- 1 Traditional networks **lack visibility to safely enforce policy.**
- 2 Make sense of everything with **our real-time map of applications and connectivity.**
- 3 Apply segmentation policies that **ensure only things that should talk to each other do.**



App 1



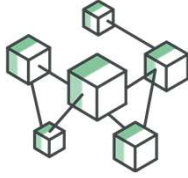
App 2

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Segmentierung mit Illumio ist einfach



1

Eine Live-Karte aller Kommunikation



2

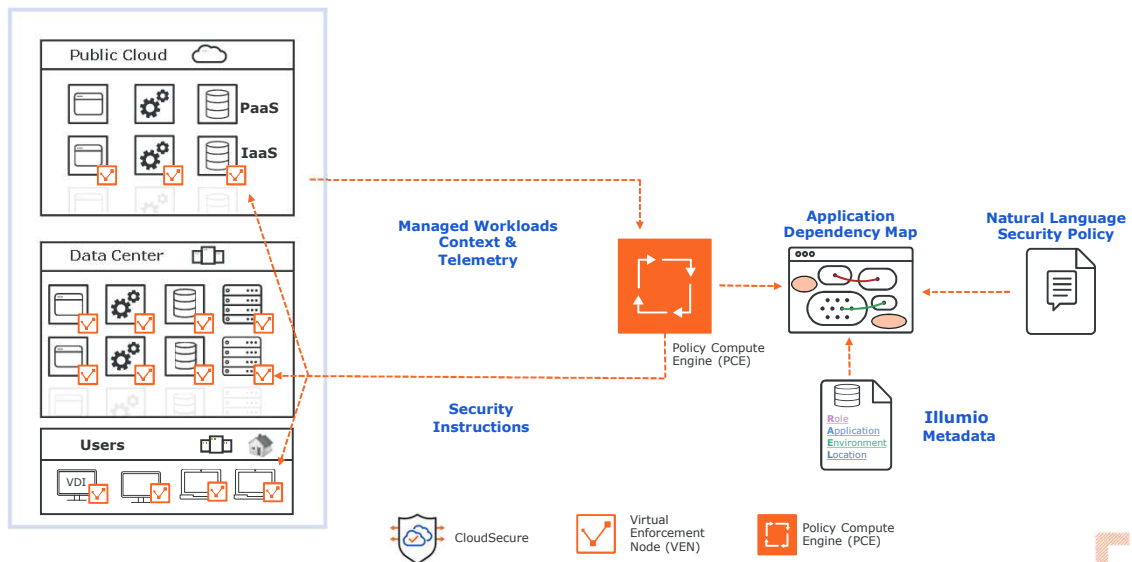
Segmentierungs-Policy in wenigen Minuten umsetzen



3

Policy gefahrlos umsetzen:
Model - Test - Deploy

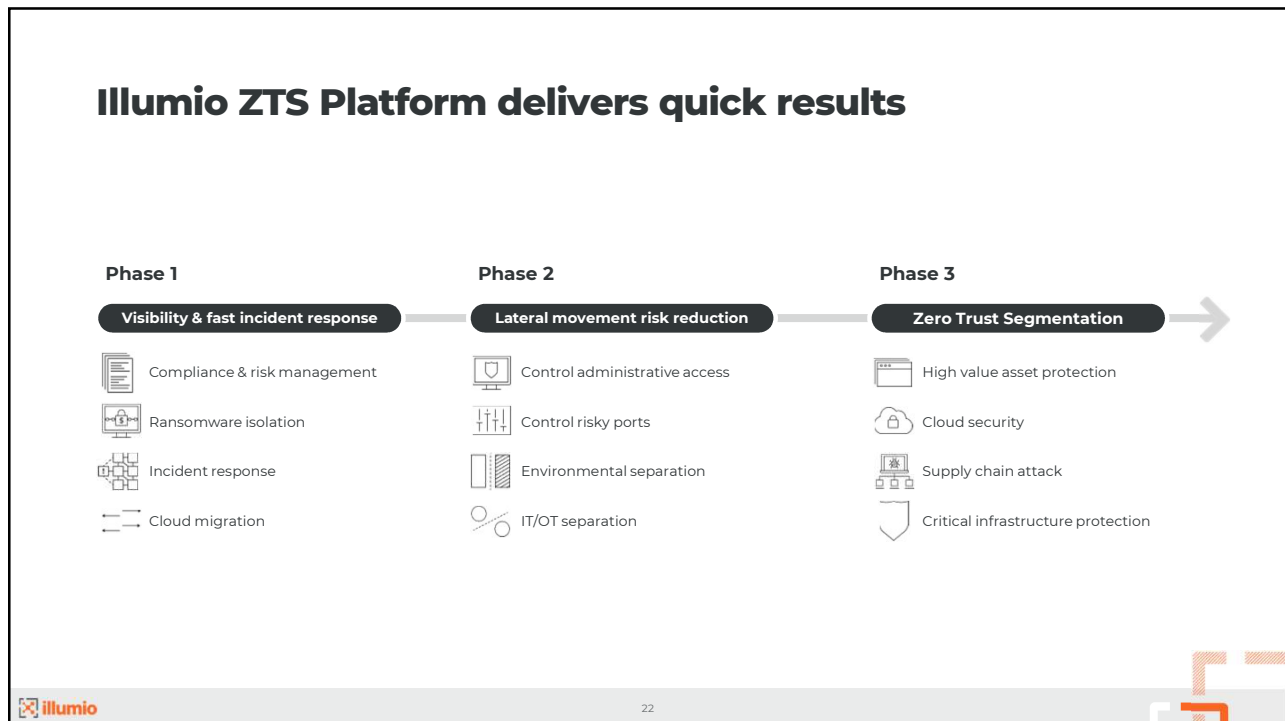
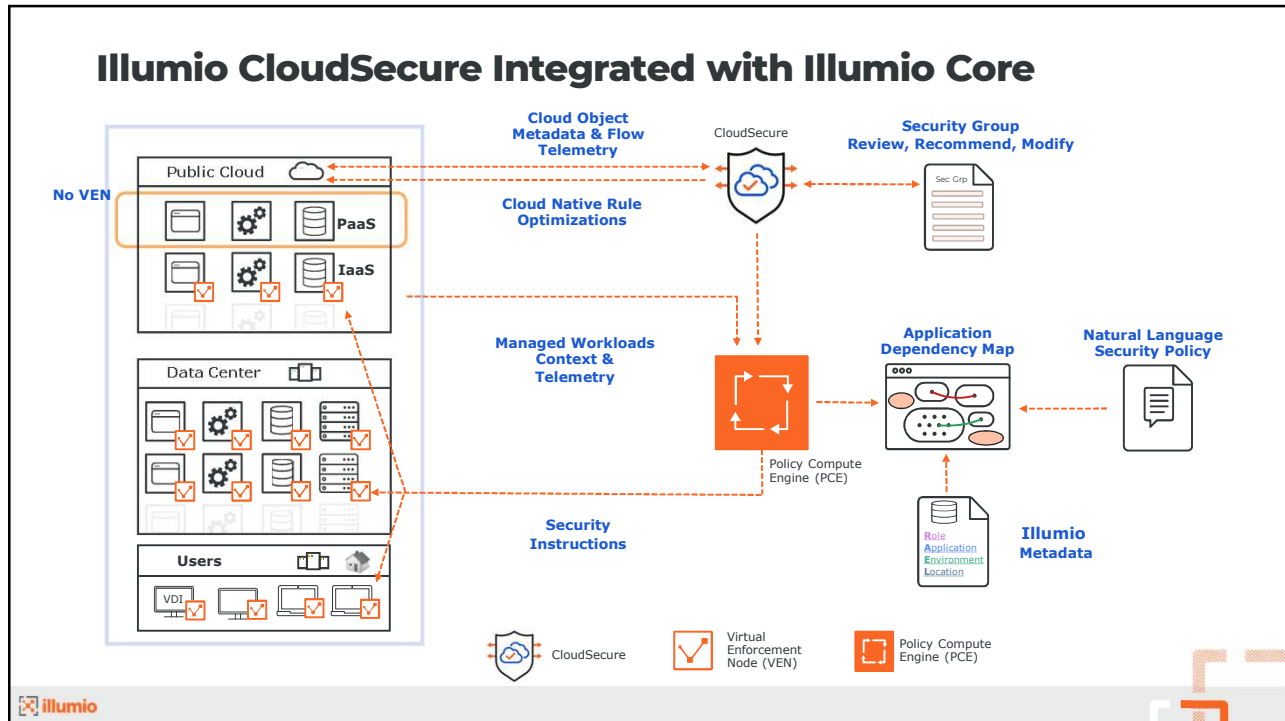
Illumio ZTS – Einfach – Schnell – Skalierend und überall



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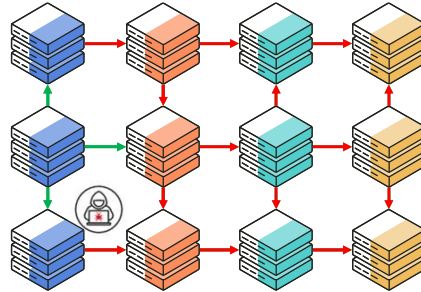


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Use Case – Block high risk ports

- High risk ports can be connected from anywhere
 - RDP, WMI, SMB, known vulnerable protocols or legacy protocols
- Opens useful paths for attackers
- Impossible to close with network firewalls
- Proactive or reactive
 - reactively enforce known exploit ports (e.g. log4j)
 - Proactively close ports that are commonly open, but not needed (WMI between all hosts, etc.)

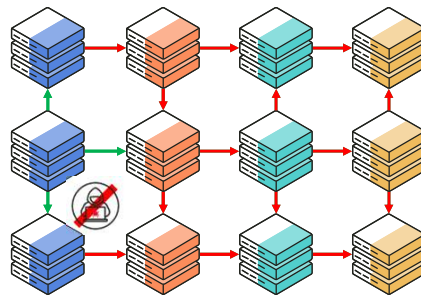


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The Illumio solution – identify, build, test, enforce policy

- Get visibility on risky port usage
- Identify where not used
- Block ports
- Create exceptions for traffic required



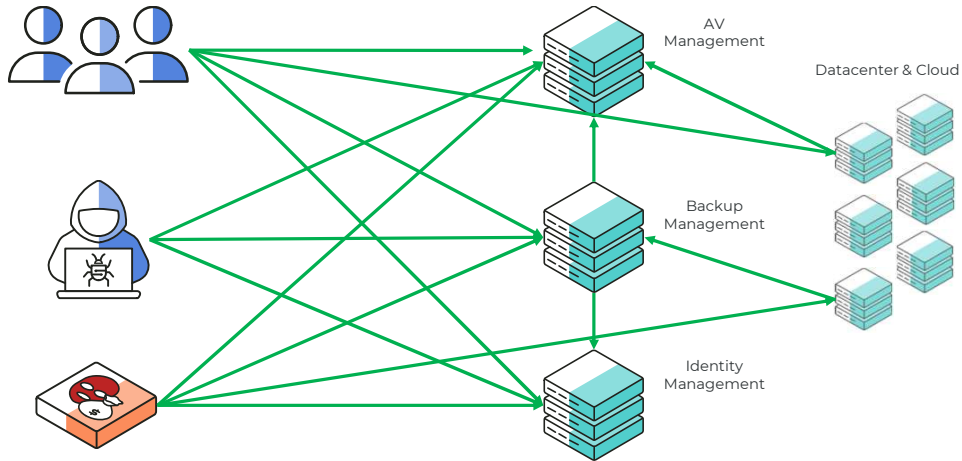
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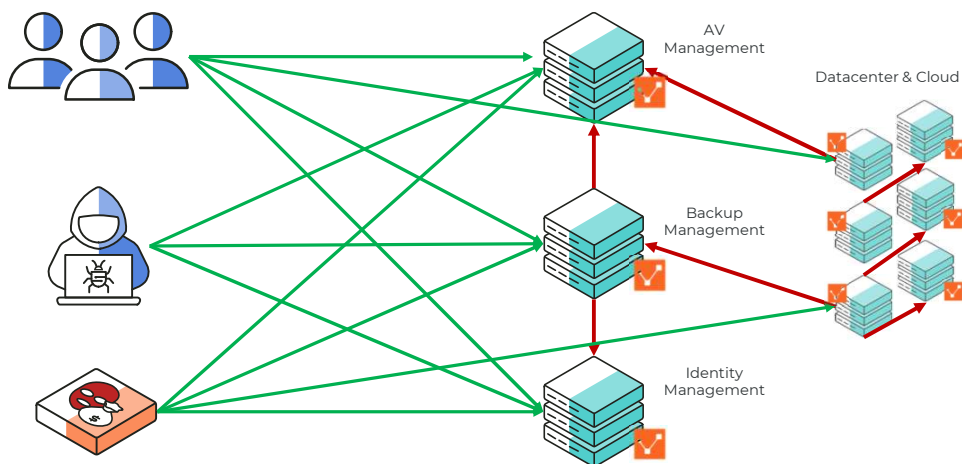
The problem with privileged access



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Datacenter: Limit lateral movement



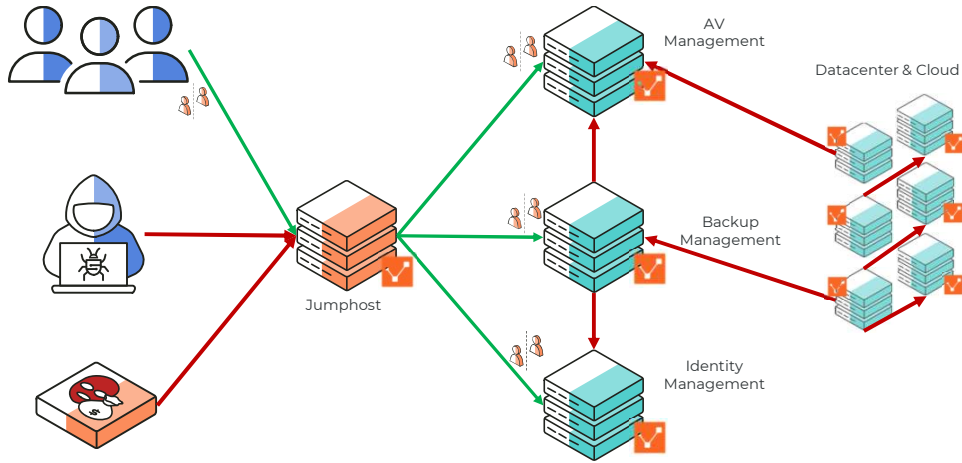
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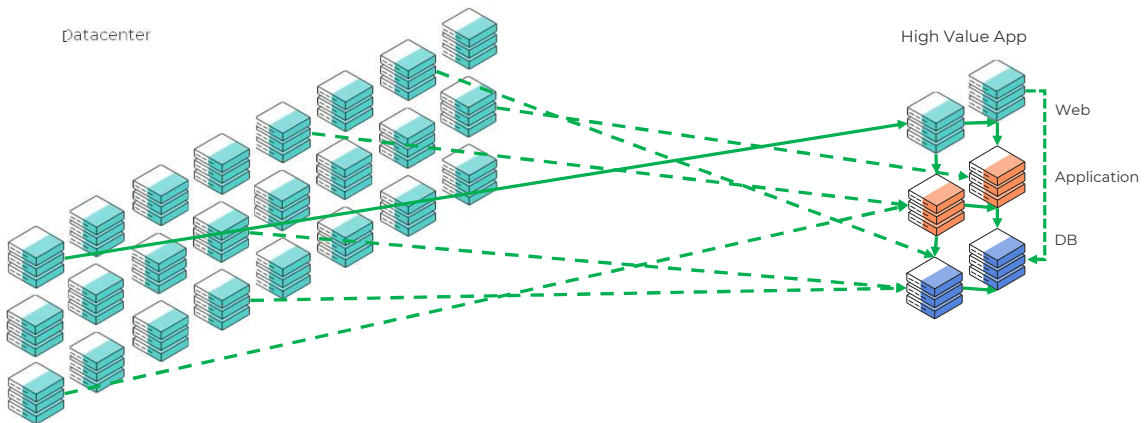
Datacenter: Establish a jump host scenario



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Use case: protect high value applications



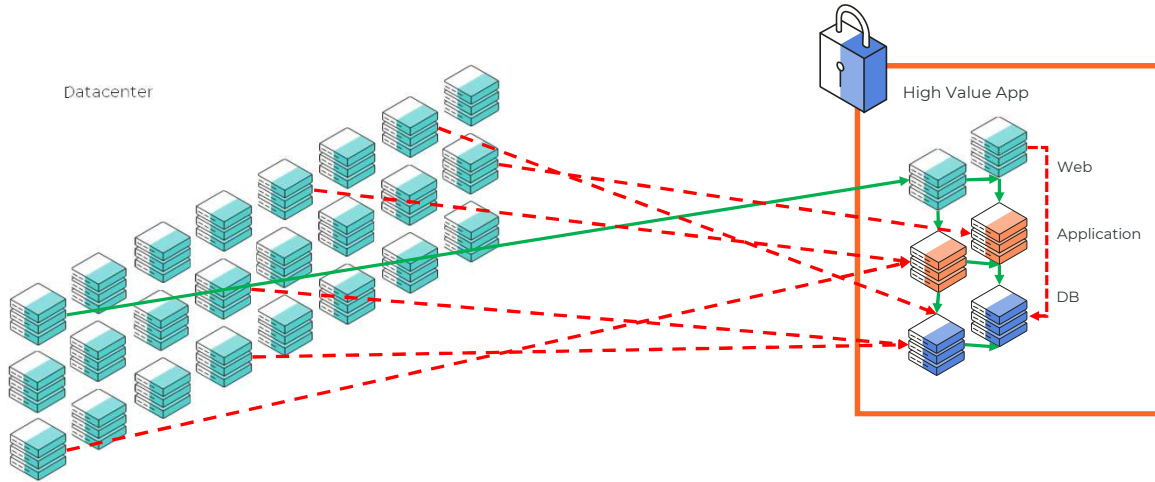
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Use case: protect high value applications



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Illumio ecosystem partners

DATA

Big data



Data access



USERS

Identity



PAM



ZTNA



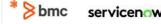
*partner integration in development for FY23

MONITORING, ANALYTICS & OPERATIONS

SIEM & analytics



ITOM



DEVICES

EDR/XDR



Vulnerability management



OT security



Mainframe



WORKLOADS

Cloud providers



OS



SECURITY, AUTOMATION & ORCHESTRATION

SOAR



Cloud Automation



Breach/attack simulation



DevOps



NETWORKS

Load balancers



Firewalls



Firewall management



Switches



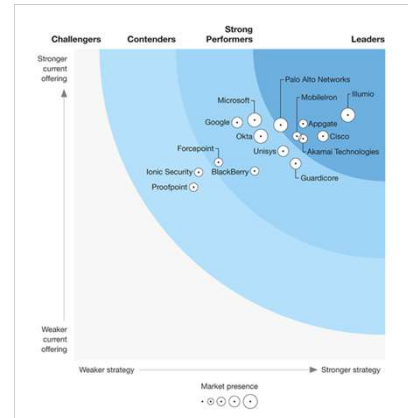
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A leader in two Forrester Wave reports



The Forrester New Wave™: Microsegmentation, Q1 2022



The Forrester Wave™ for Zero Trust eExtended Ecosystem Platform Providers, Q3 2020



Illumio is the leader in Zero Trust Segmentation

PROTECTING MORE THAN

15 of the
Fortune 100

2M workloads
For organizations of all sizes,
from Fortune 100 to small
business

FUNDING/VALUATION

\$582.5M/\$2.75B

SNAPSHOT

Founded 2013 by
co-founders:
Andrew Rubin, CEO
PJ Kirner, CTO

500+ employees
globally

CUSTOMERS INCLUDE



BNP PARIBAS



BlueCross
BlueShield



CATHAY PACIFIC

DocuSign



Morgan Stanley

ORACLE



servicenow



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**Experience
the power of
Illumio today**

THE ILLUMIO
EXPERIENCE

Free, hands-on virtual lab live
or on-demand

Solve visibility challenges,
identify risks and isolate
ransomware and cyberattacks

See how easy it is to secure
your data and advance your
Zero Trust journey

