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Enabling Business Continuity without Compromising on Security

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Today’s Reality

- Sudden need for support remote work at scale
- Entirely new setup for some organizations
- Others have existing capabilities facing unprecedented demands

Effective Segmentation to Secure Remote Access

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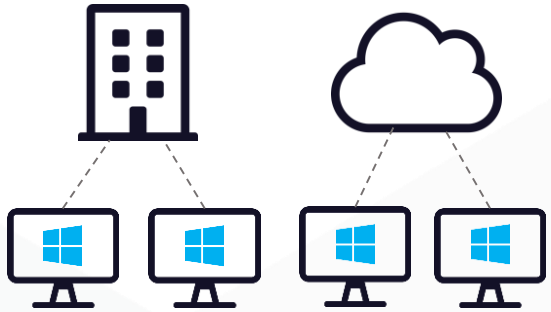
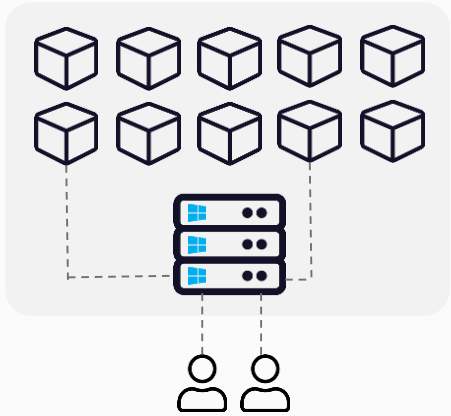
How Companies are Dealing with Today's Reality

Endpoints with VPN Connections



VDI or DaaS



Jumpboxes & Terminal Servers

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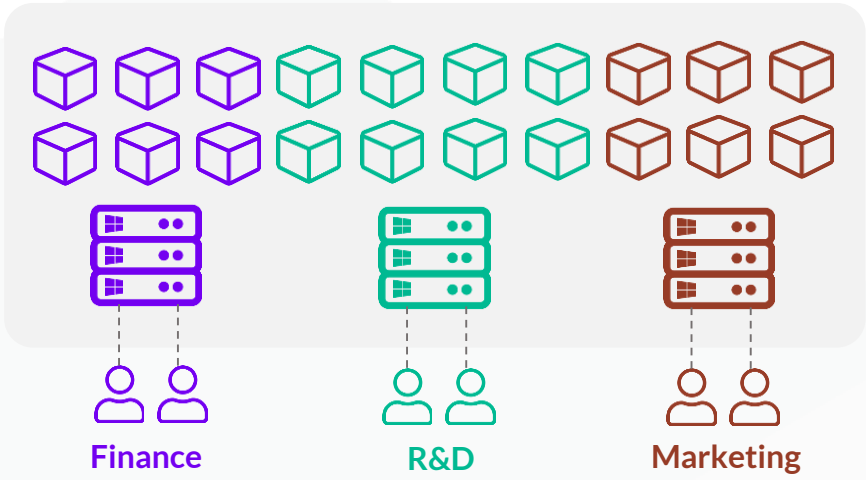
Traditional Security Methods



1. Separate remote access servers / networks for each group
2. Complex remote access firewall rules
3. Multiple applications / servers per user group
4. Complex internal firewall rules

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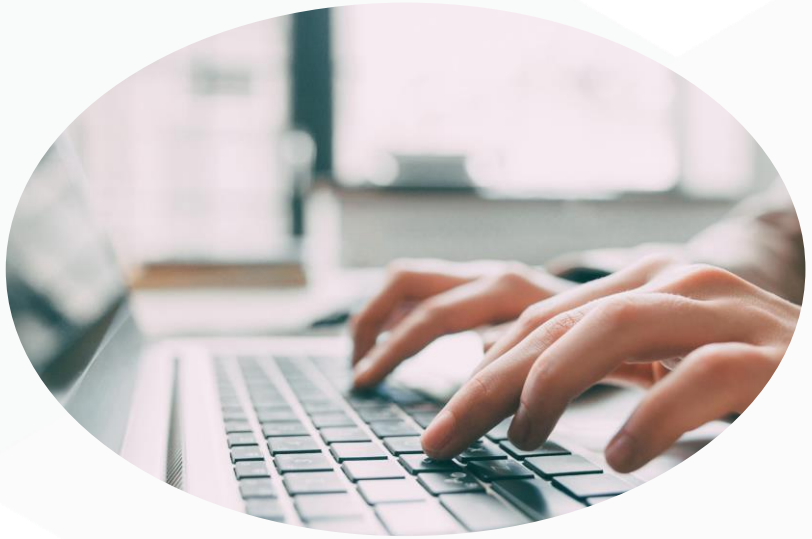
High Costs for Proper Security

- Over-provisioning of server hardware
- High level of operational burden on IT and security teams

Inevitable Compromises That Increase Risk

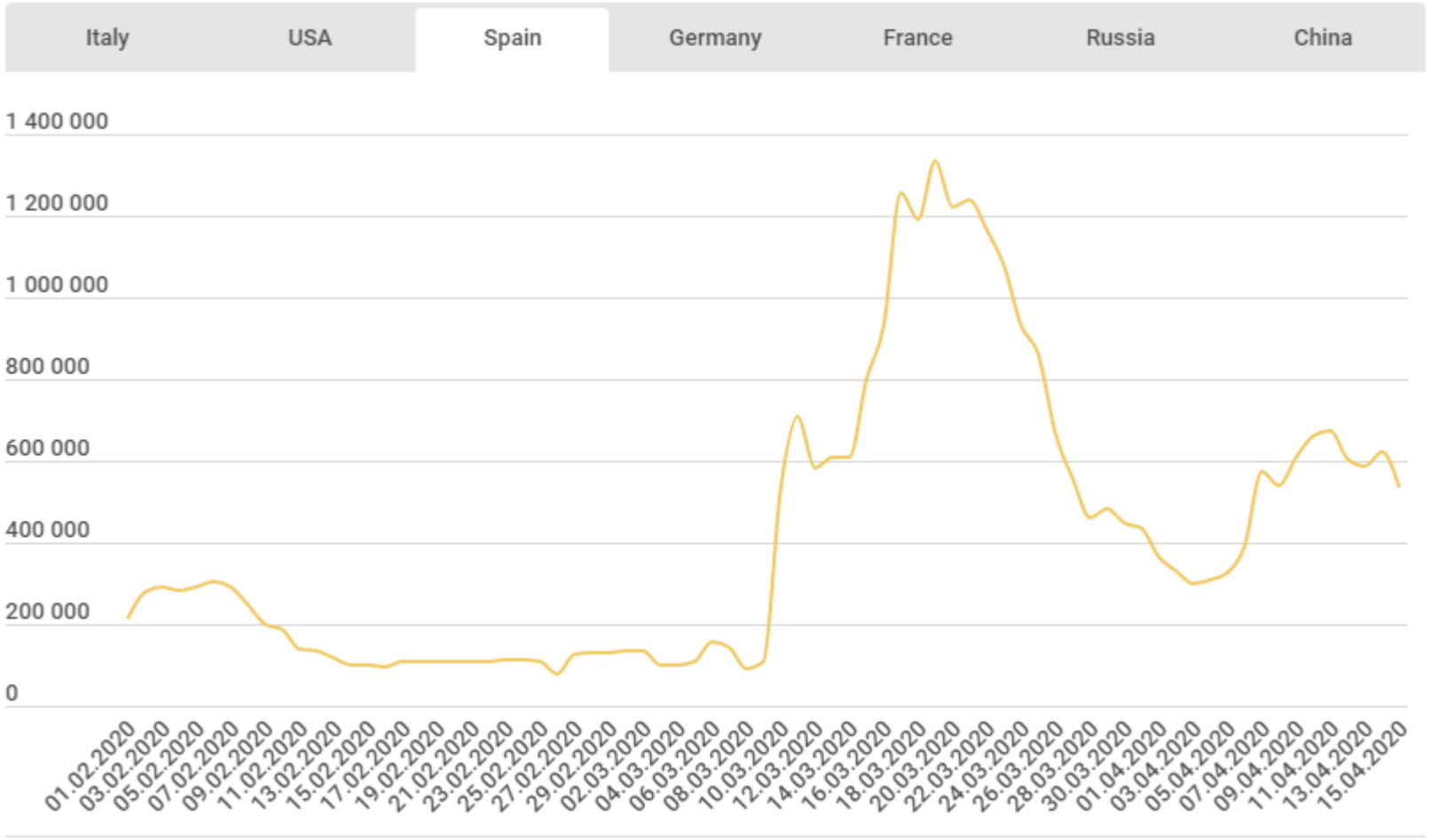
- “One size fits all” access privileges
- Blind spots: Limited visibility and control
- Bypassing security controls such as firewalls



Risk:

Humans are the weakest link

Rise of RDP Brute Force Attacks - Recent Days



* Source: Kaspersky labs

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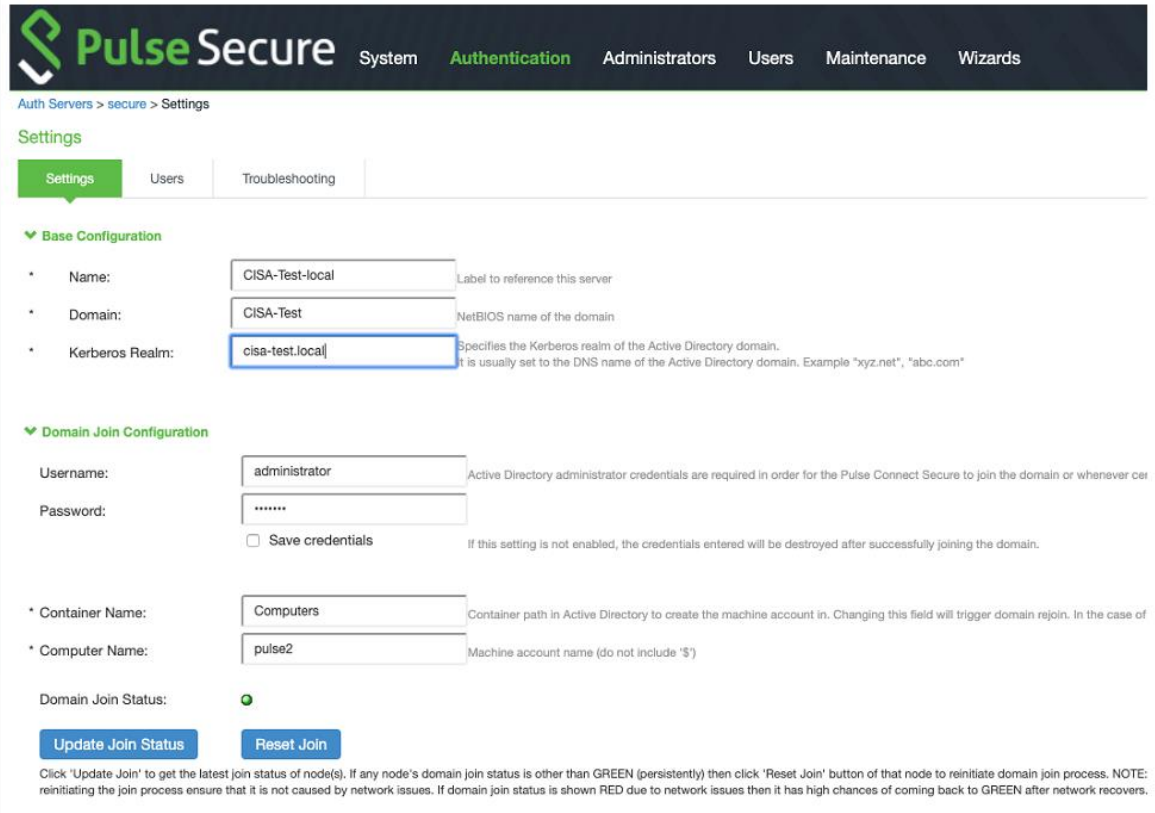
VPN Compromises

- CVE-2019-11510
- Arbitrary file reading vulnerability affecting Pulse Secure VPN appliances— enables attackers to gain access to victim networks
- Published April 16 2020



Kaspersky labs

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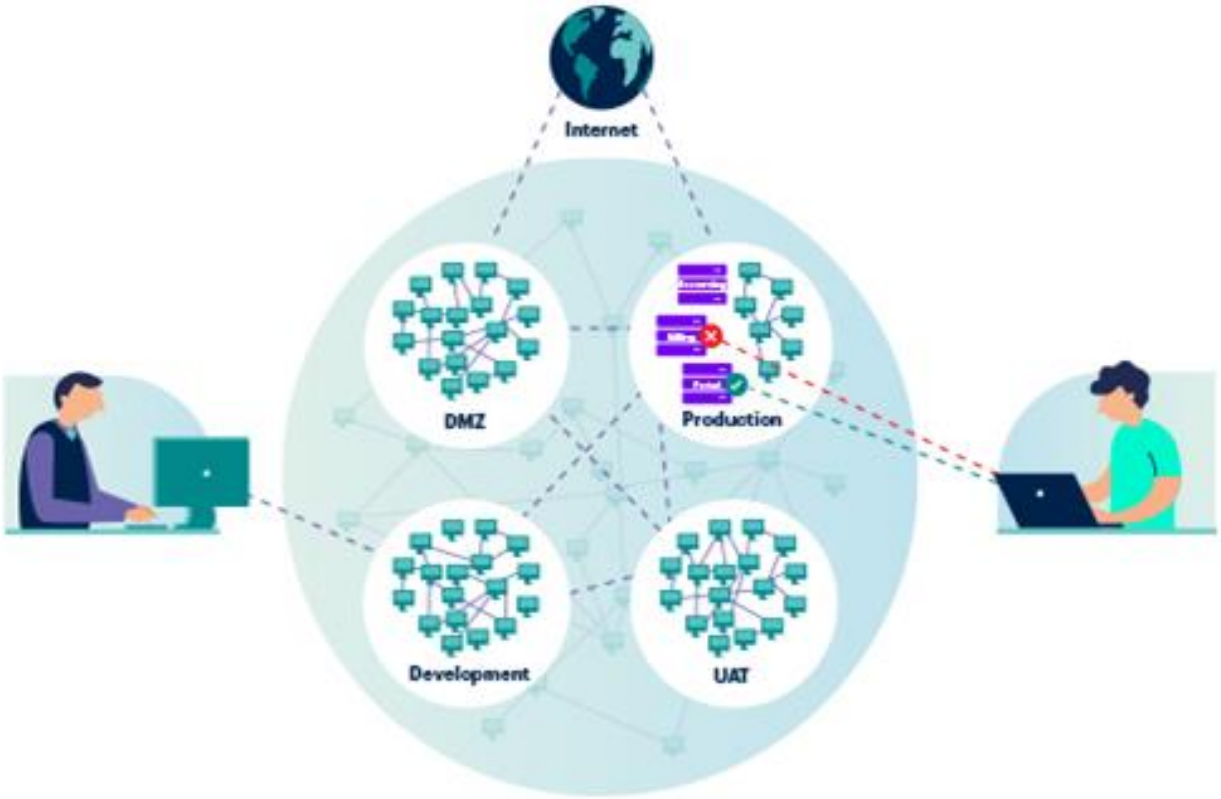
What's Needed

- Apply least privilege to remote access
- Workload-centric segmentation
- Enable business continuity
- Avoid downtime
- Avoid network changes
- Gain visibility into user access activity
- Ensure speed / timeliness
- Scale reliably and cost-effectively

Use Case 1

Visualize and Control User Access Anywhere



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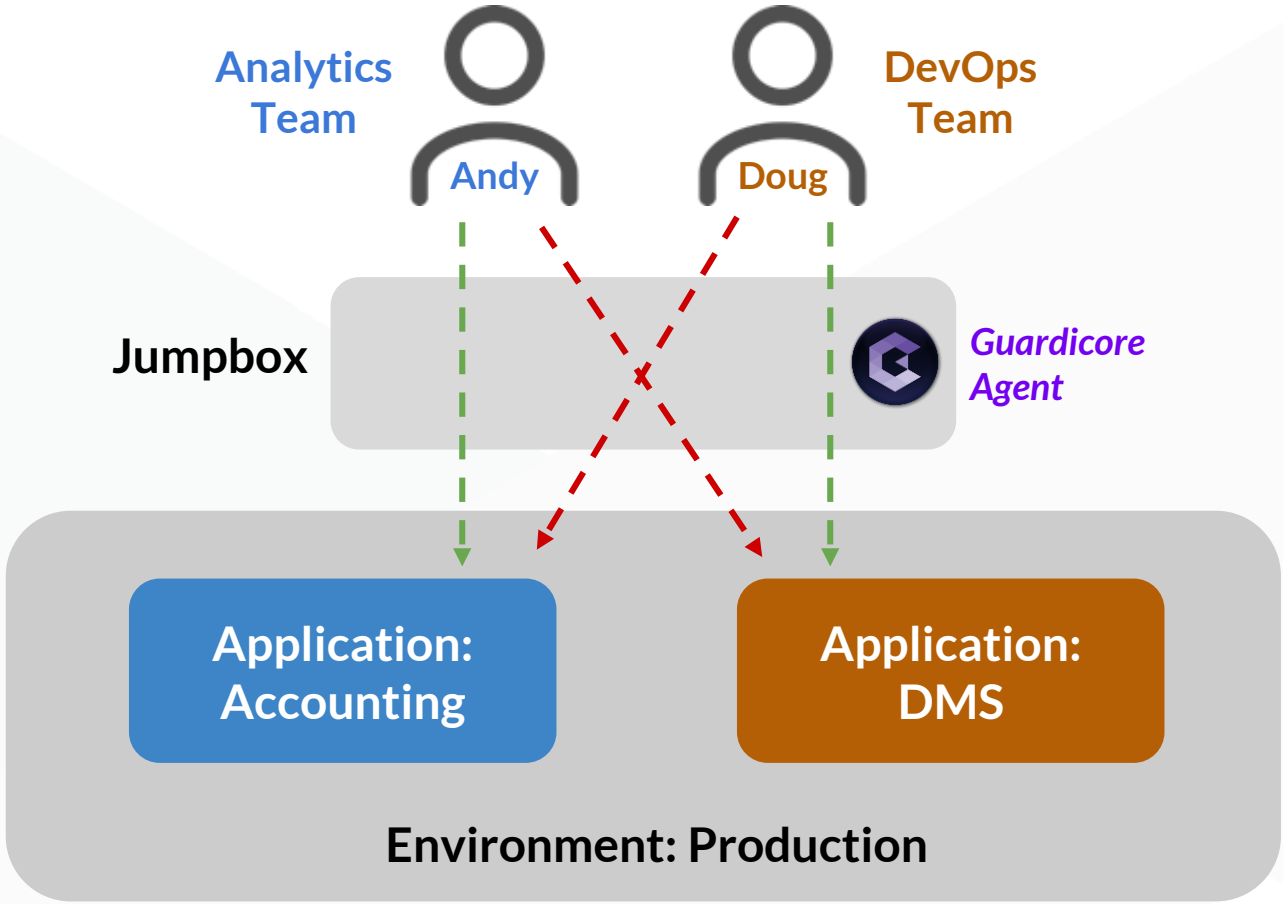
Use Case 2

Securing Access Based on User Identity



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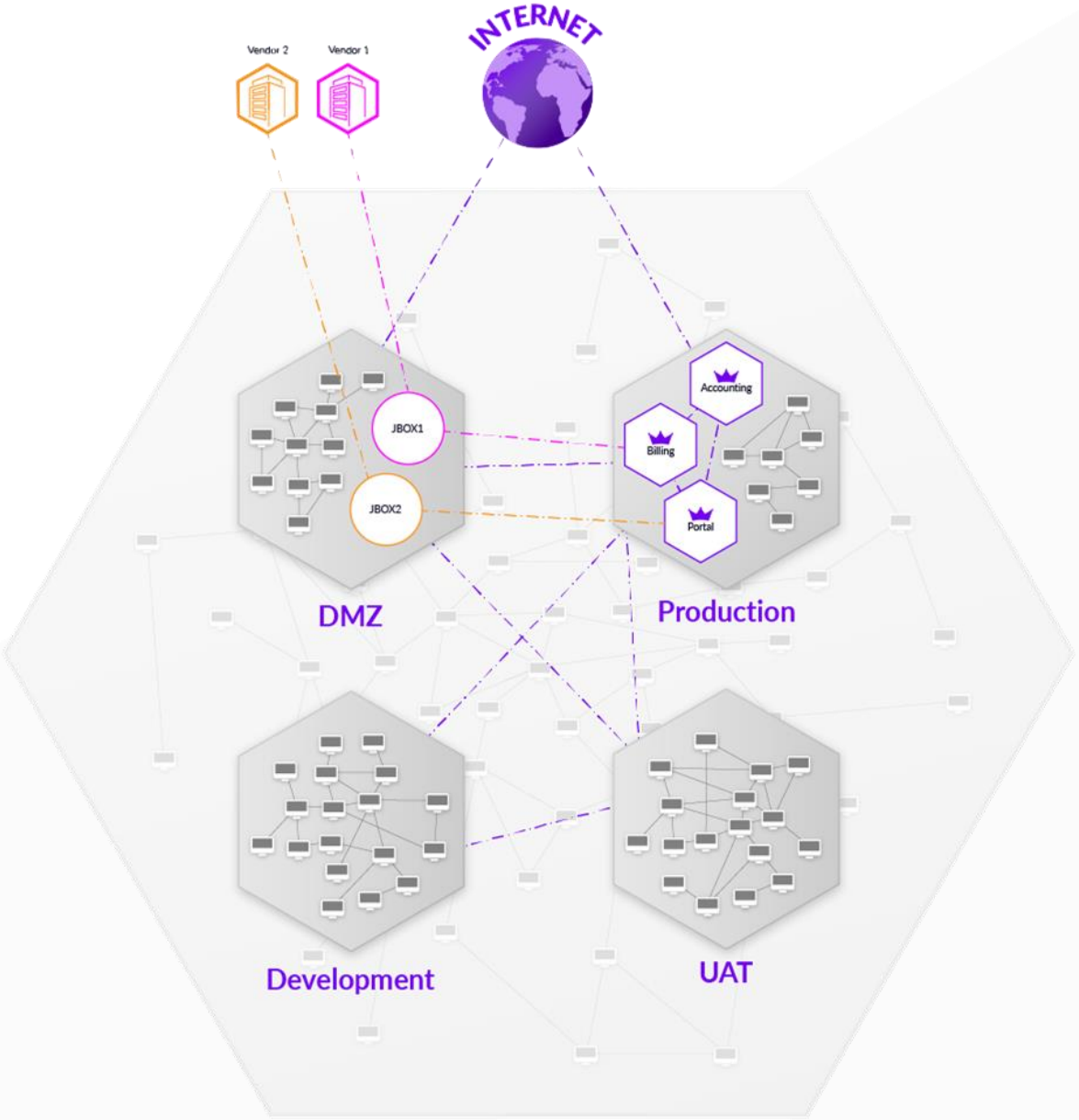
Third-Party Access Control



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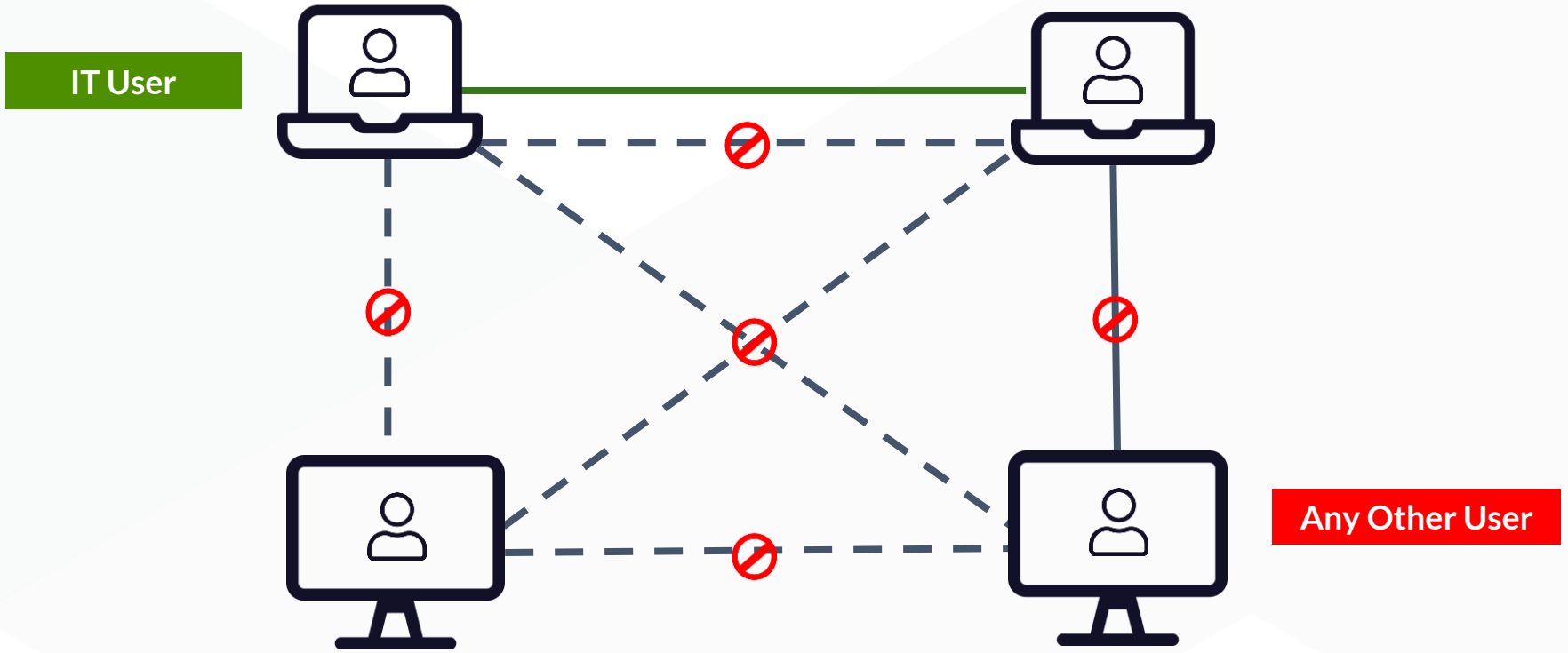
Use Case 4

Peer-to-Peer Isolation

Example: Block all connections between peers except for privileged users



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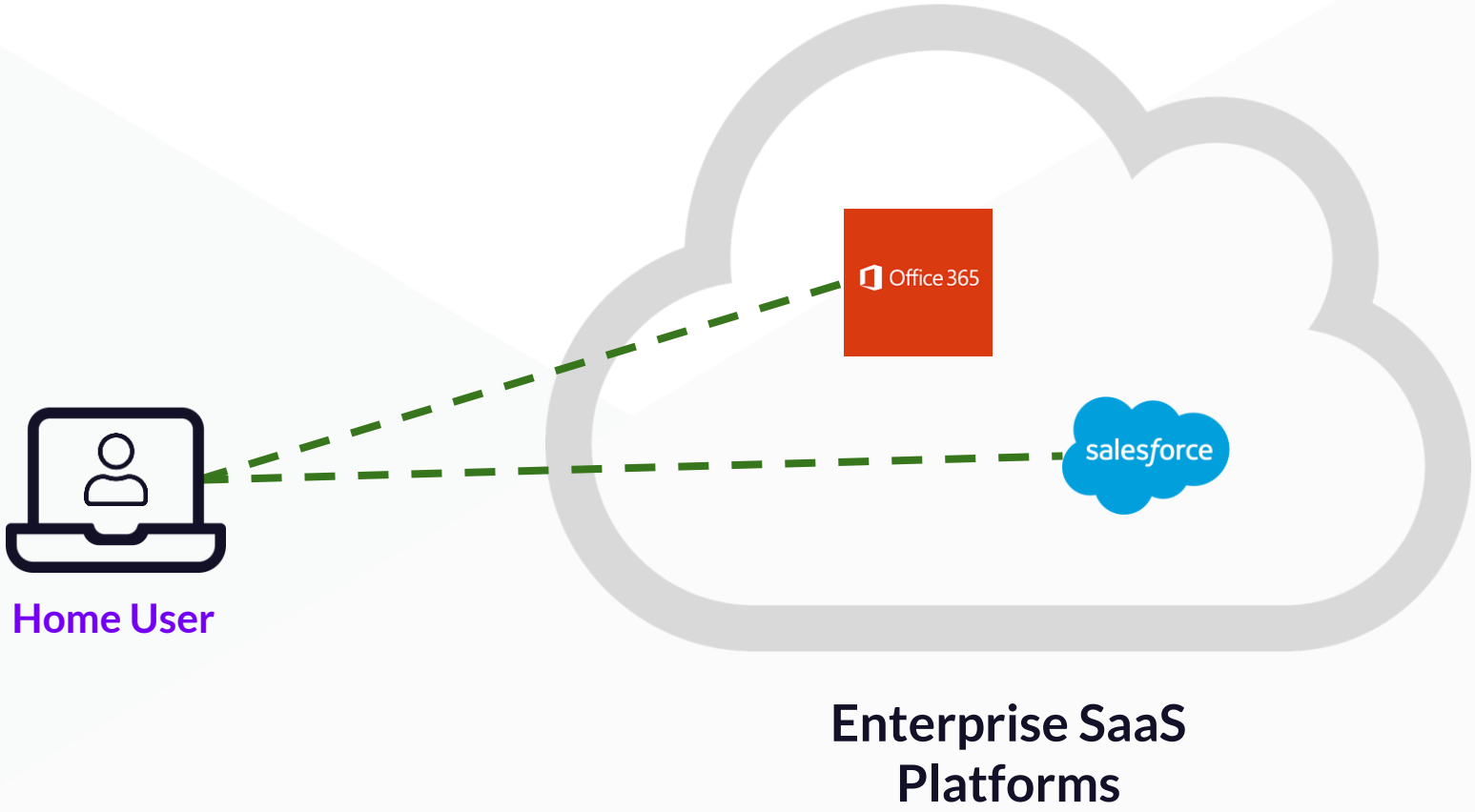
Use Case 5

Whitelist External Connections



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Segmentation that accounts for the user's identity

Benefits

1. Risk Reduction
2. Controls user access from a single pane of glass
3. Simpler to implement
4. Flexible policy engine
5. Visibility
6. Lower costs

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