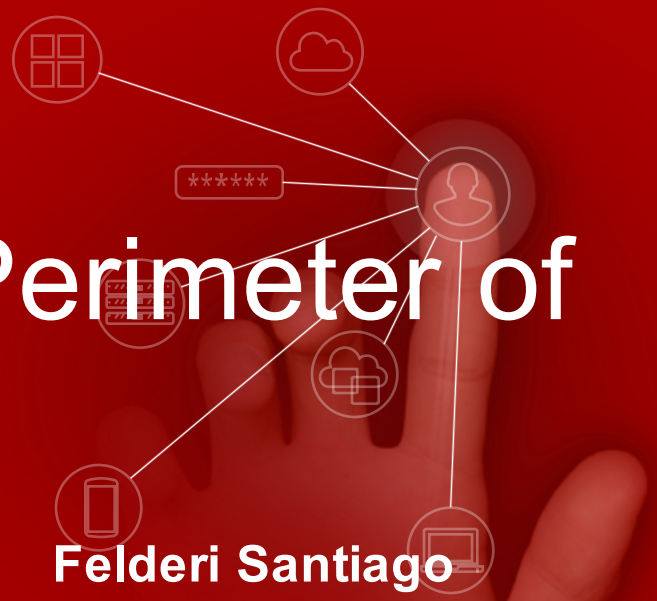
Identity is the new Perimeter of Security



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For the End User

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For the Privileged User

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Identity is at the center of cyber attacks…

USUARIOS PRIVILEGIADOS

USUARIOS FINALES

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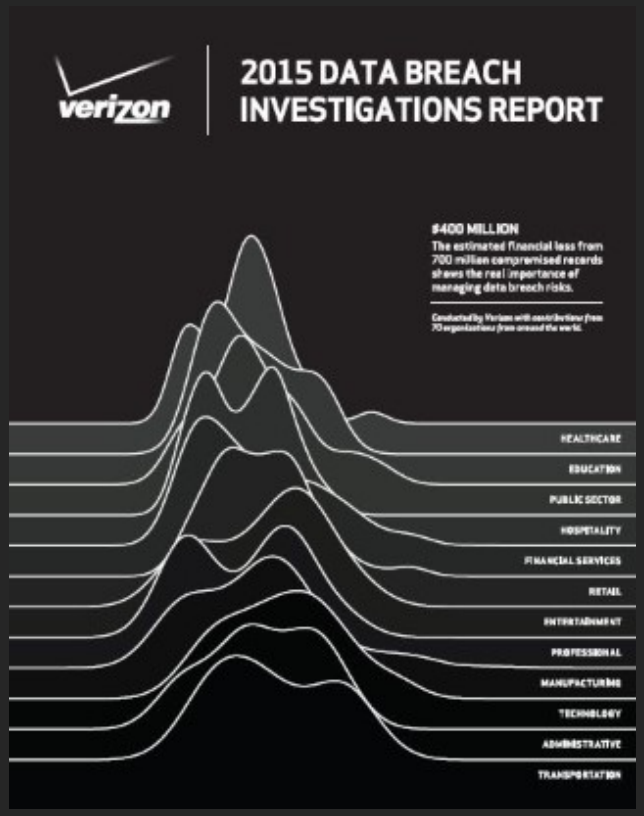
2015 Verizon Data Breach Investigations Report



*"As always, **compromised credentials**, whether they were obtained through phishing, spyware or brute-force methods, played a major role in many data breaches."*

*"Pulling back from a single industry view, we find that most of the attacks make use of **stolen credentials**."*

"While we have tried to refrain from best practices advice this year, there's no getting around the fact that credentials are literally the keys to the digital kingdom."

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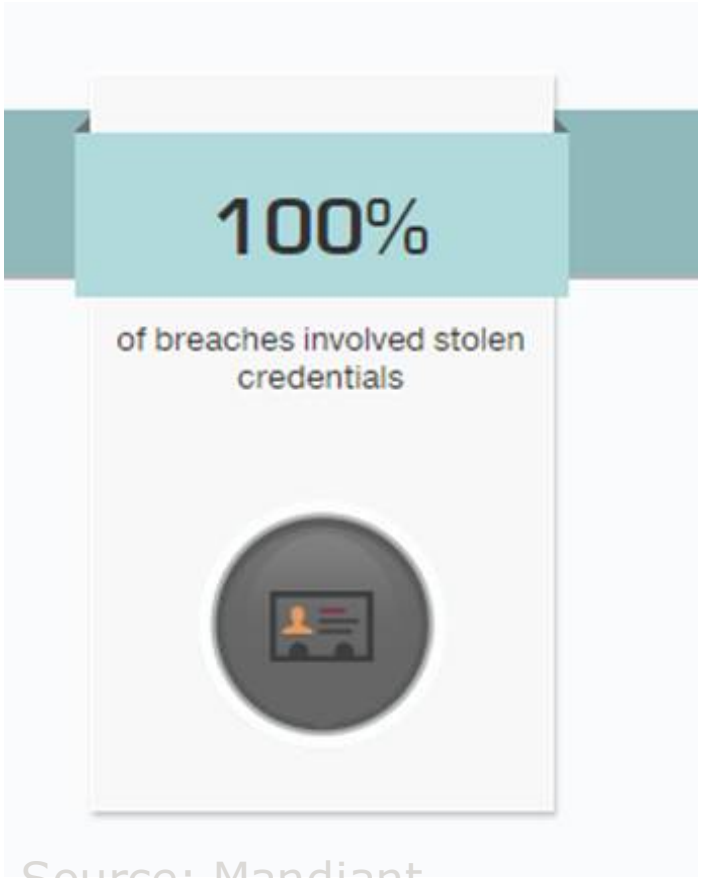
Mandiant-Fireeye Security Report



Source: Mandiant

1. The attacker sends a spear phishing e-mail to gain entry to target.

5. The attacker now has access to the system and dumps account names and passwords from the domain controller.

6. The attacker cracks the passwords and now has access to legitimate user accounts to continue the attack undetected.

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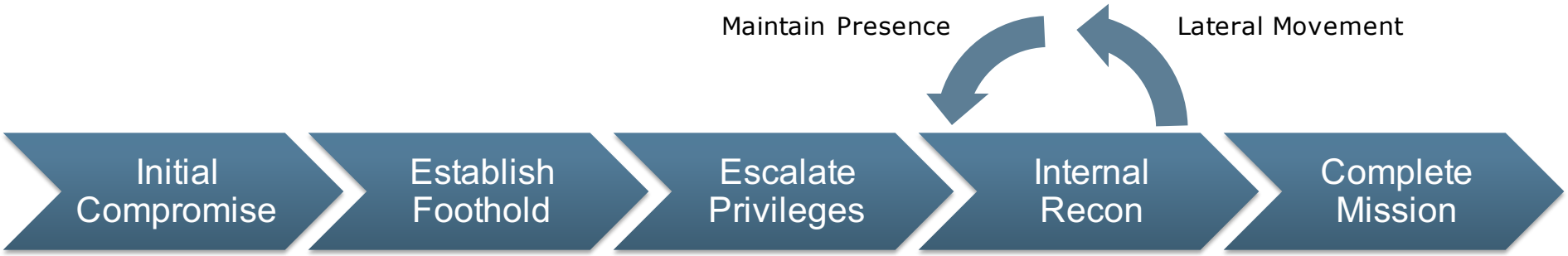
Identity is at the center of cyber attacks…

Flow of ATP Attacks:

- Attacks target the end user with malware or spoofing attacks
- Programs like Mimikatz look for accounts used on systems
- Pass-The-Hash permits lateral movement from system to system
- Attacks export data



Attack Lifecycle (Mandiant Trends 2015)

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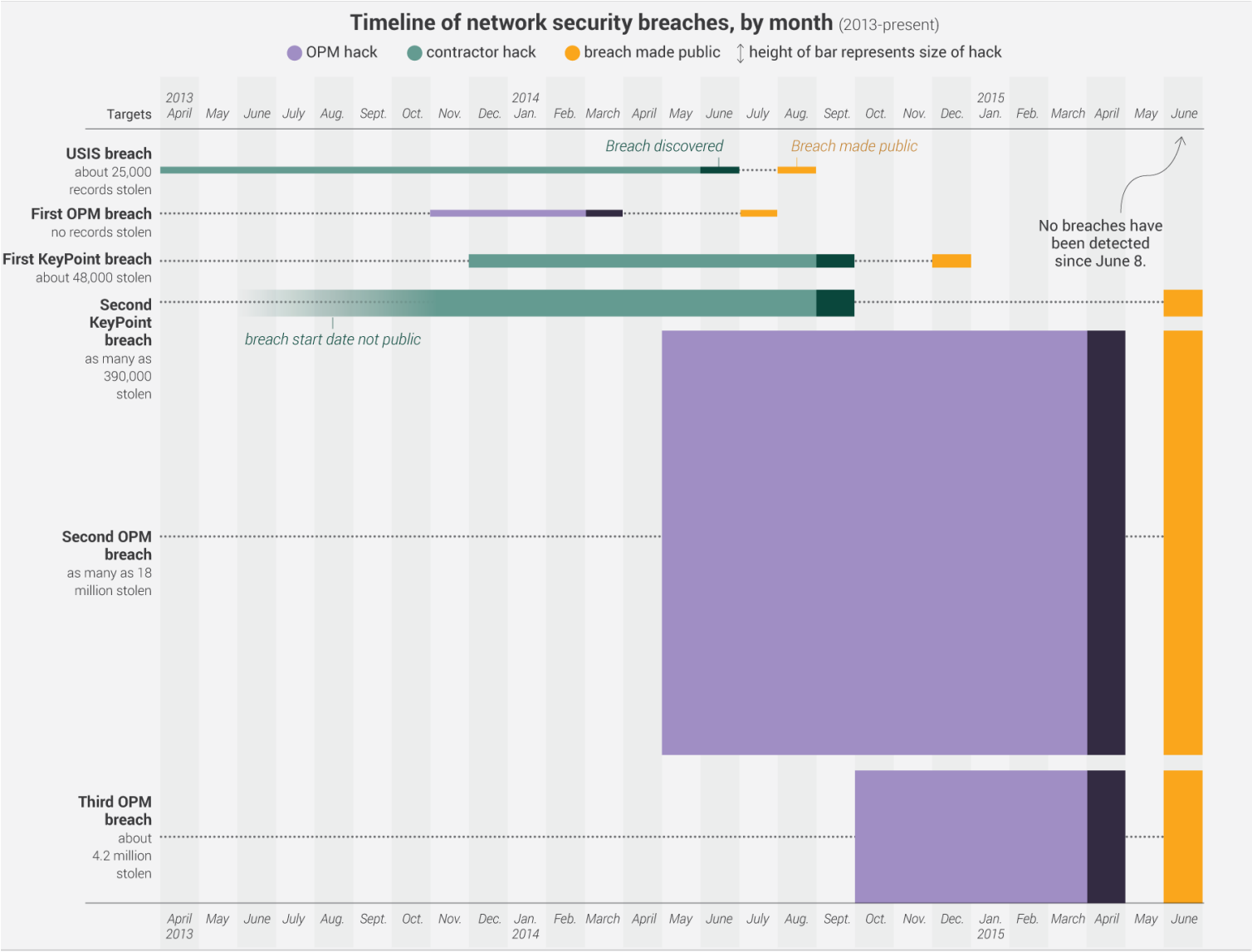
OPM Breach

OPM suffered 3 breaches starting Oct 2013

The breaches were detected 6 months later



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Director Katherine Archuleta Resigns

Our jobs are on the line…

After 21 million SSN numbers were lost – Director Archuleta lost her job.

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The Current Future

Mac/Windows

Mobile

SaaS

IaaS

Access from anywhere

No physical boundaries

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How is identity managed in this new world?

De-perimeterization –
Data is everywhere

Users are accessing data from everywhere

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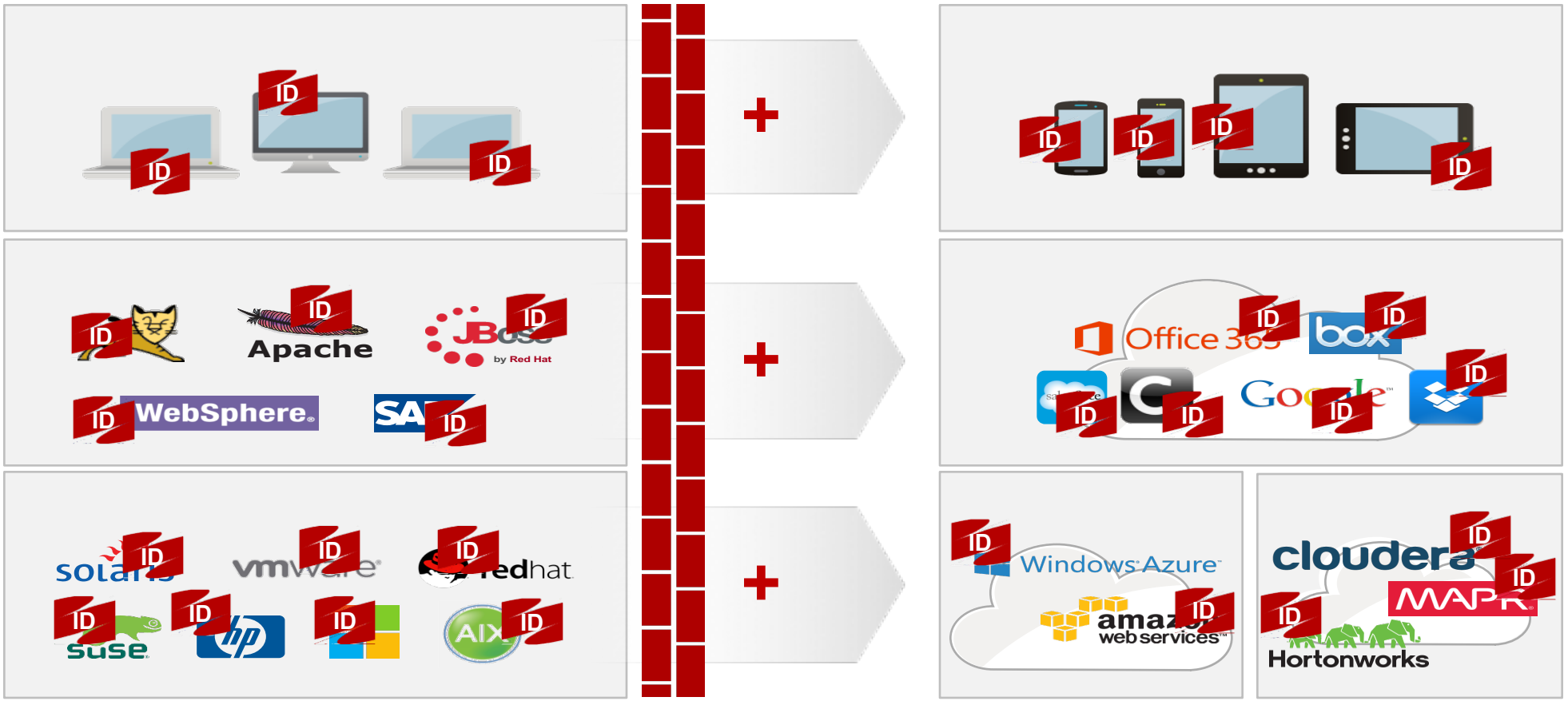
Enterprise Class Environments today



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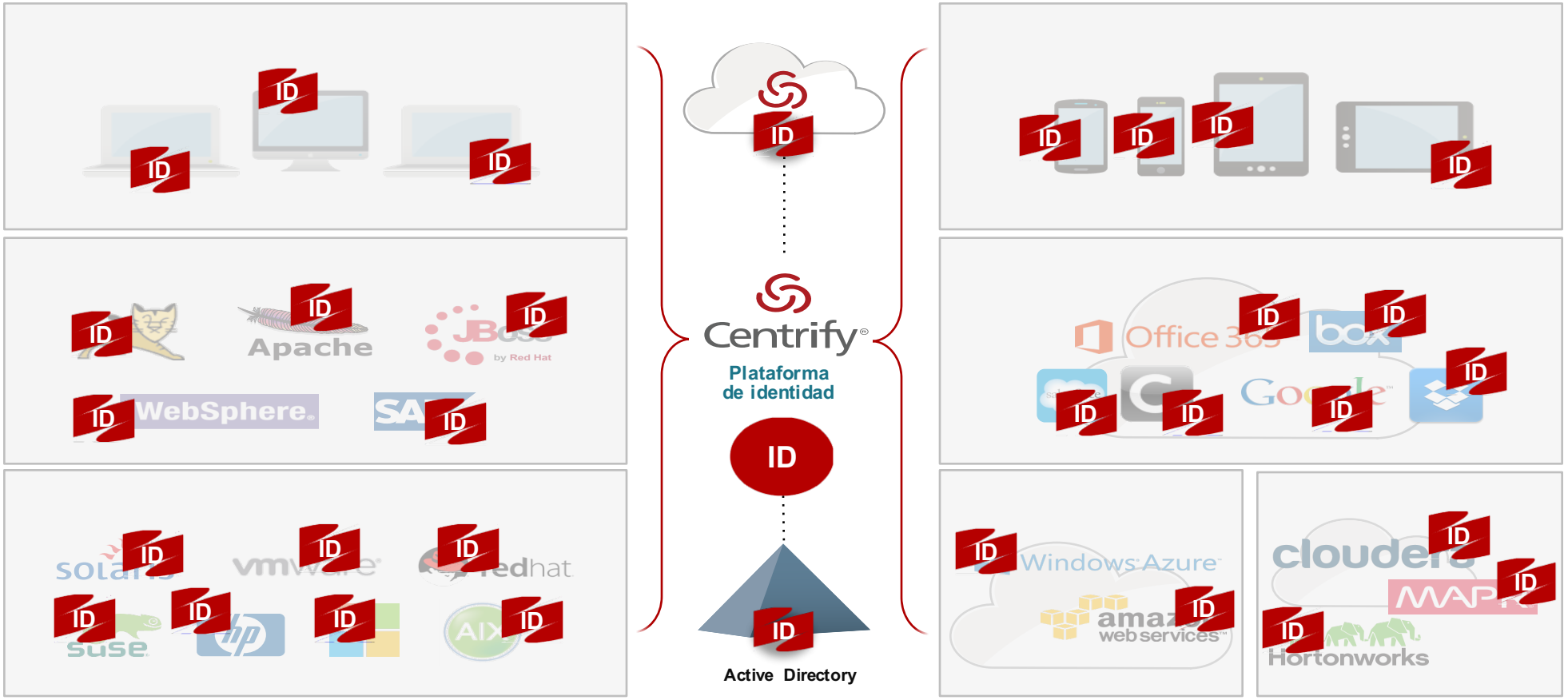
The Modern Enterprise Needs a New Identity Platform

Centrify's Value Proposition – Simplify



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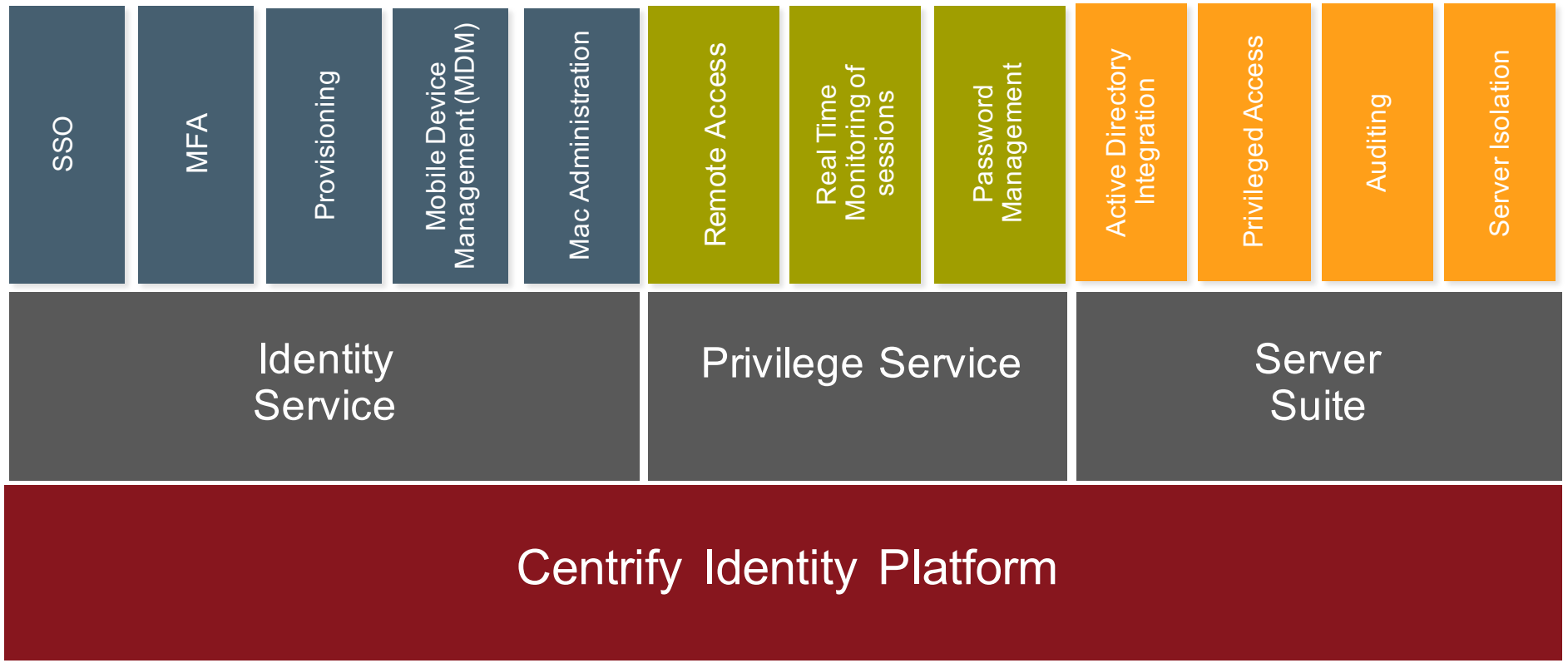
For End Users, Privileged Accounts and Privileged Users



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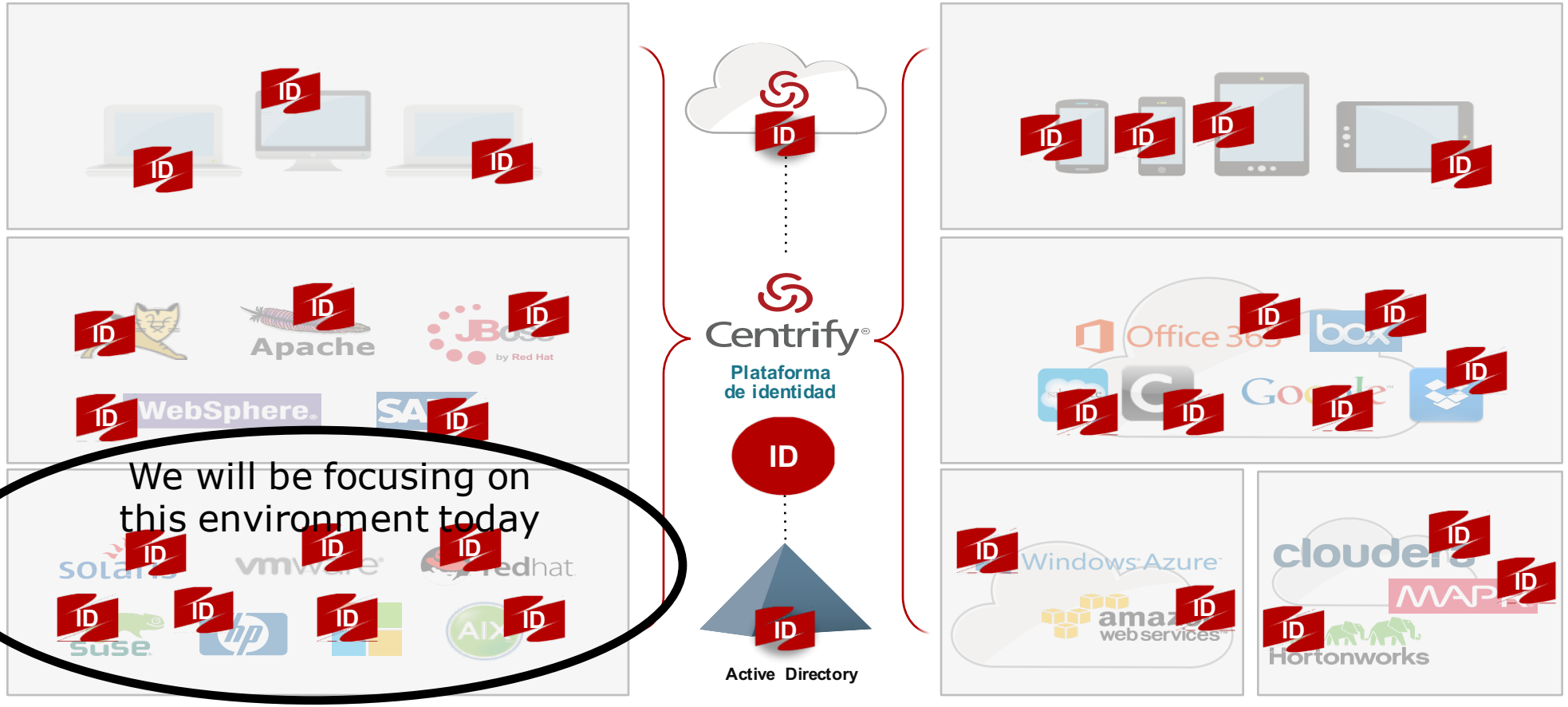
Centrify's Value proposition – Simplify



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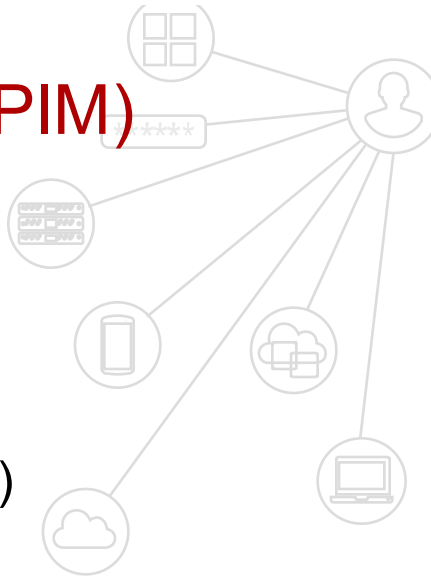
Best Practices for Privilege Identity Management (PIM)



1. Minimize the amounts of credentials used (consolidate)
2. Enforce least access privileges (minimize access)
3. Audit user activity, specially on critical resources (record activity)

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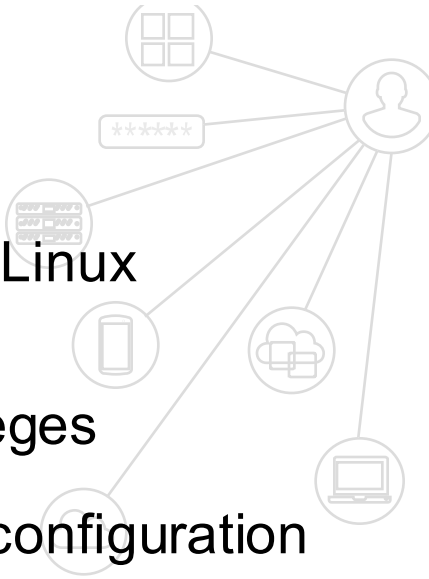
How can Centrify Help?



1. Centrify natively integrates your zLinux (or any other UNIX/Linux systems to Active Directory
2. Roles Based Access Control to enforce least access privileges
3. Centralized Group Policy enforcement assures consistent configuration
4. Central Reporting of which users can access which systems
5. Detailed Auditing of user activity for critical systems

Without additional infrastructure, schema extensions or intrusive changes

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DEMO

About Centrify

Based in Santa Clara, CA with offices in Seattle, London, Munich, Hong Kong, Brisbane and Sao Paulo

- Founded in 2004 with over 500 personnel (2/3rds in engineering)
- Named Deloitte Technology Fast 500 Winner as one of North America's Fastest Growing Companies

Delivers software and cloud services that lets you securely leverage your existing identity infrastructure — Active Directory — across data center, cloud and mobile

- Support for 450+ operating systems and 1000+ Apps
- Proven technology deployed by 5500+ customers including 50% of Fortune 50
- Award-winning solutions and numerous industry certifications

Industry Awards

Industry Certifications

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Some of our 5500+ Customers

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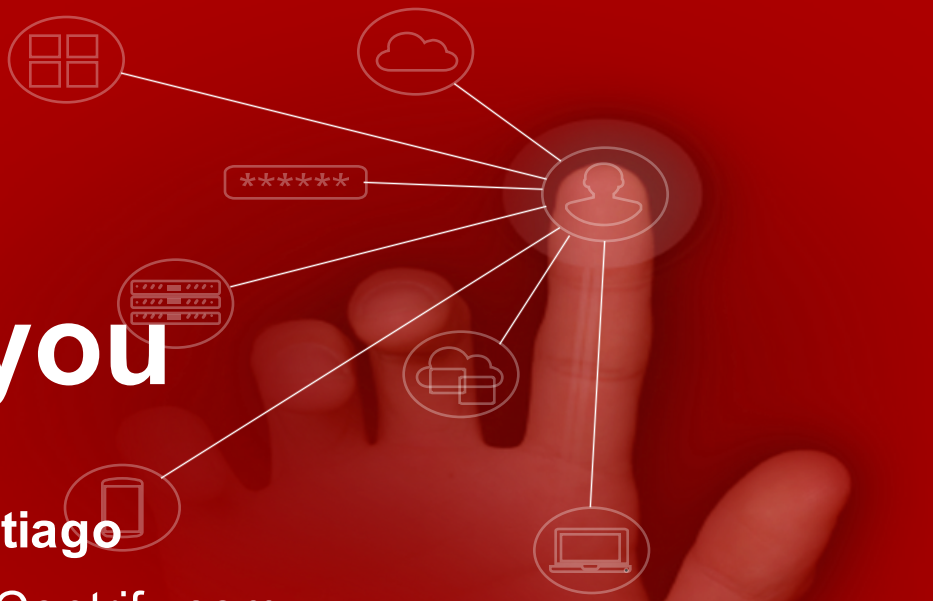

Thank you

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