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Privileged Access Management for Today's Cyber Threats

Evolution of Privileged Access Management

PASSWORD VAULTING

PROXY SERVERS

DEDICATED ACCOUNTS

Evolution of Privileged Access Management

STILL RELEVANT?

Lateral Movement Attack Surface

- Accounts retain their privilege 24x7 and are easy targets
- Artifacts often left behind that can be exploited

Complex to Manage

- Legacy PAM solutions were designed for specific use and have not evolved

Evolution of Privileged Access Management

THE FUTURE OF PAM

REMOVE Lateral Movement Attack Surface

- Zero attack surface for adversaries to exploit
- Create privilege on-demand / remove when not in use

REDUCE Complexity

- Simplify – life doesn't have to be complicated!

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Keep it Under Control

Orchestrate it…

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The Power of Privilege Orchestration

Before Session	~~jsmith-adm~~		Account disabled / no privileges / no attack surface
During Session	jsmith-adm		Account enabled / just-enough privilege for task
After Session	~~jsmith-adm~~		Account disabled / no privileges / no attack surface

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The Power of Identity Orchestration

Before Session

Account doesn't exist / no attack surfaces

During Session

jsmith4hs9
k3h86fd

Ephemeral account created /
just-enough privilege for task

After Session

Account removed / no attack surfaces

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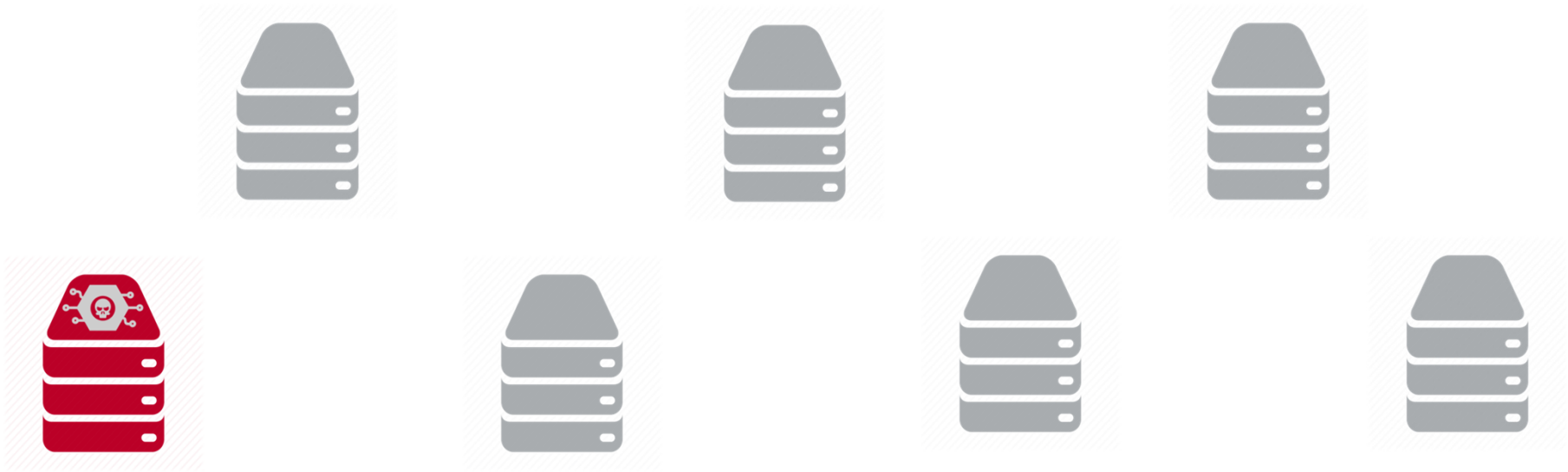
Getting to Zero Standing Privilege



Clearing ALL Attack Surfaces

RDP

Services

Kerberos Tickets

File Shares

Just-in-Time Orchestration

Create what you need to do your specific task at the point you need it, and remove the attack surface when you are not using it

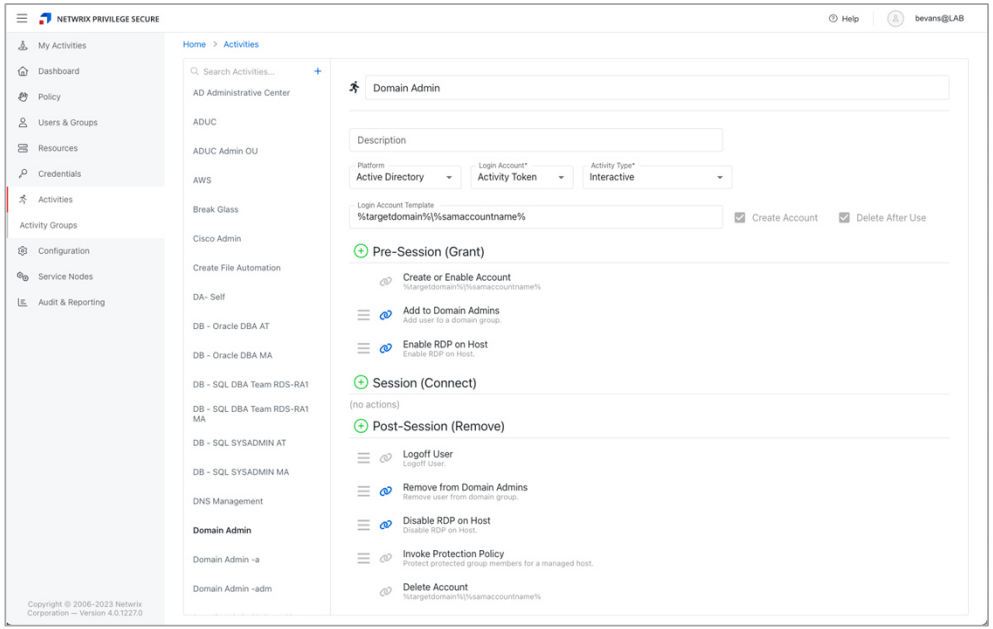
Identity *Orchestration*

- Create / Enable Accounts
- Add / Remove Permissions
- Enable/Disable RDP
- Purge Kerberos Tickets
- Group Protection

Endpoint *Orchestration*

- Pre/Post File Comparison
- Dynamic SMB Shares
- Custom PowerShell
- Dynamic sudoers

Privilege *Orchestration*



Demonstration

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5 Key Take Aways

- No standing privilege – no attack surface
- Don't just *manage* privileges, **remove** them!
- PAM does not have to be hard to deploy, or manage
- PAM can easily scale from 3 to 30,000 users and be performant
- You can advance to Zero Standing Privilege step-by-step

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Soon, you'll forget all about password vaults

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Make Admins Happy

Dealing with PAM Stress...

Privileged Access Management Stress or what?

"It's taken over 5 minutes for the UI to load this morning!"

"I can't believe how complicated it is to do simple things..."

"I just want to do my job!!"

"I have to use RDP to access my database – its so unworkable..."

Life Shouldn’t be Complicated!

- Clean, simple, structured UI workflow - front-end and back-end
- Fits with your admins’ standard operating procedure
- Reduces RDS overhead and use of jumphosts for applications
- Different strokes… a Linux admin works entirely differently to a Windows admin