



Infrastructure Protection

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The Problem:

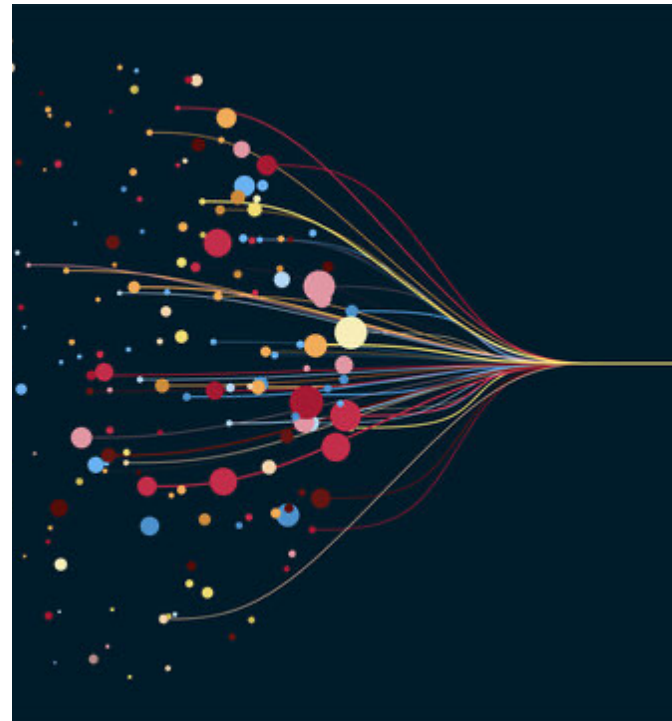
Protecting Infrastructure is hard, expensive and time consuming

- + Diverse infrastructure within organizations – Workstations, servers, Networks, Databases makes it difficult to uniformly protect
- + Attacks are getting more sophisticated
- + Over-lapping Identity and access security tools is a concern



What is AuthNull?

- + Unified solution for infrastructure protection
- + Works well with Active Directory, Azure AD, Windows, Linux, Radius and Databases
- + Out of the box MFA, Privileged Access and Conditional Access



Full featured protection for various infrastructure



Active
Directory



Azure AD



Windows



Linux



Wireless
networks



Databases

What does AuthNull do?

- + Protect access to any resource

AuthNull protects all resources inside your infrastructure

- + Secure and verify every identity

AuthNull verifies identity at every access using biometric MFA and conditional access

- + Provide only necessary access

Conditional access policy enables restricted, just in time access of only the resources necessary

- + Simplify the security experience



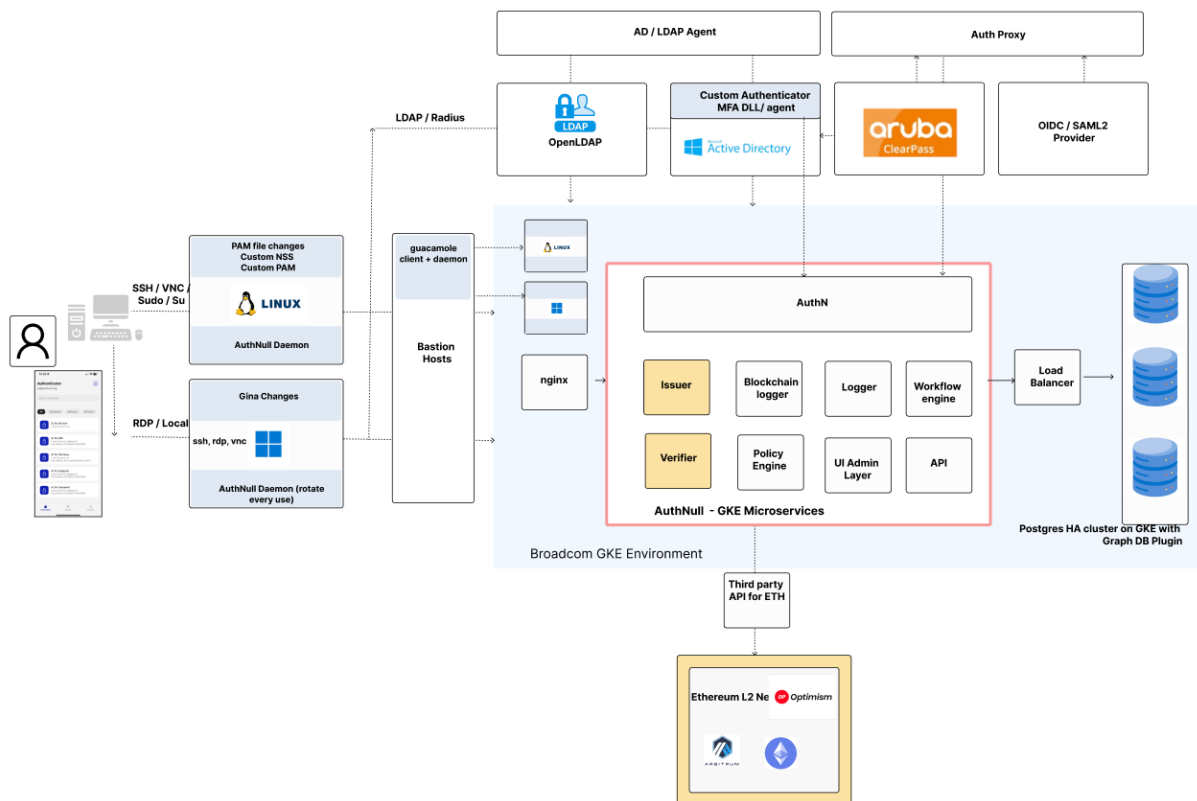
Business outcomes with AuthNull

- + Cut deployment time from Months to days
- + Eliminate needless help desk tickets
- + Achieve faster compliance
- + Lower MFA + PAM cost to as much as 80%

Identity Protection

- + Risk Score
- + Adaptive MFA
- + Privileged Access Logs
- + Biometric MFA

Architecture



- High performant architecture with redundancies
- Uses decentralized identity to provide a more secure, robust infrastructure
- Database redundancy (3X) + Regional HA
- Service redundancy with HA, Failover and regional HA
- Data isolation physically for all customer data

Active Directory, Azure AD and Windows



Active
Directory



Azure AD



Windows



Linux

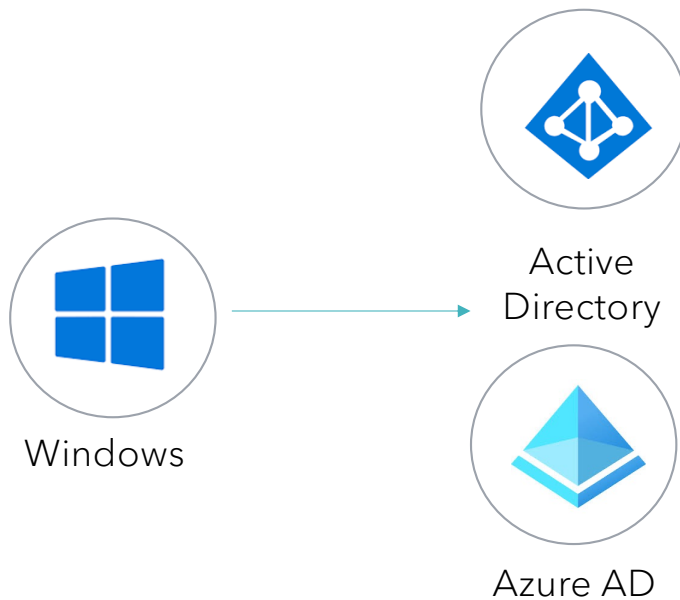


Wireless
networks



Databases

Active Directory, Azure AD and Windows



- + AuthNull plugs into your existing infrastructure
- + AuthNull automatically discovers security policies using artificial intelligence
- + AuthNull then enables
 - MFA
 - Conditional access
 - Recorded sessions
 - Passwordless access
 - Password rotation
 - Local account access
- Across all the infrastructure where AuthNull is plugged in.

Linux, Wireless Networks and Databases



Active
Directory



Azure AD



Windows



Linux



Wireless
networks



Databases

Linux

- Secure all Linux distributions
- Enable AD joined MFA or local user MFA
- Recorded sessions via jump server
- Breakglass features
- Works with SSH / VNC / Local log-on



Network support

- AuthNull provides MFA and protection for all devices connecting via RADIUS / TACACES+ devices



Microsoft NPS

Microsoft Network Policy Server (NPS) allows you to create and enforce organization-wide network access policies for connection request authentication.

Proceed to Setup



Cisco ISE

Cisco Identity Services Engine (ISE) is a security policy management platform that provides secure access to network resources.

Proceed to Setup



Clearpass

ClearPass provides role- and device-based network access control for employees, contractors, and guests across any multivendor wired, wireless, and VPN infrastructure.

Proceed to Setup

Database Protection

- Provide MFA to access to database – MySQL, Postgres, Percona, Aurora, Amazon RDS and a variety of open source databases
- Control access to privileged users
- Password rotation
- Data masking of sensitive data
- Database access logs and reports

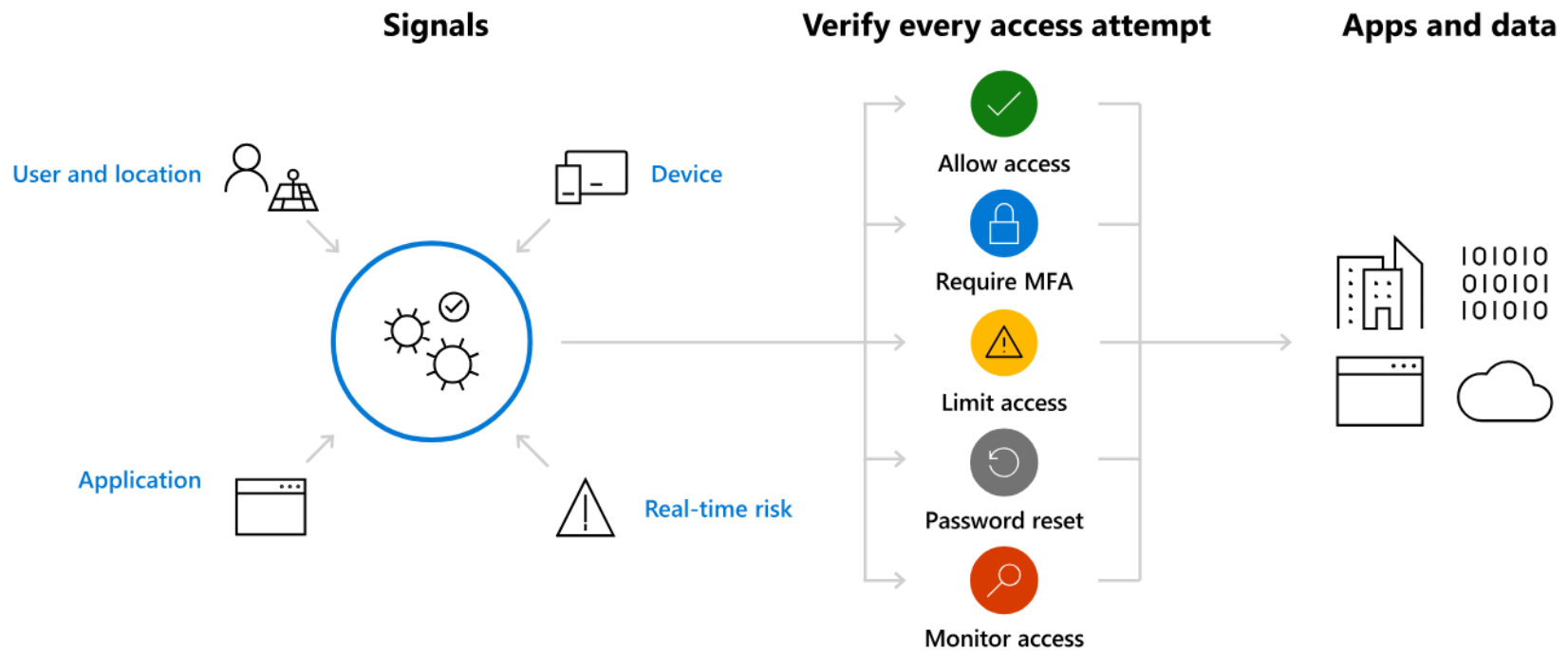


Privileged Access Features - Matrix

| | Discovery with local | AD . Entra ID discovery | Domain joined logon | Password rotation | MFA | Session recoding | Breakglass | Offline access |
|------------------------------|----------------------|-------------------------|---------------------|--------------------|-----|---------------------|------------|----------------|
| Windows | X | X | X | X (domain / local) | X | X (via jump server) | X | X |
| Linux / Firewalls / Switches | X | X | X | X (domain / local) | X | X (via jump server) | X | X |
| Radius | NA | X | X | X (domain) | X | X (via jump server) | X | X |
| Databases | X | X | NA | X (database local) | X | X (via jump server) | X | X |

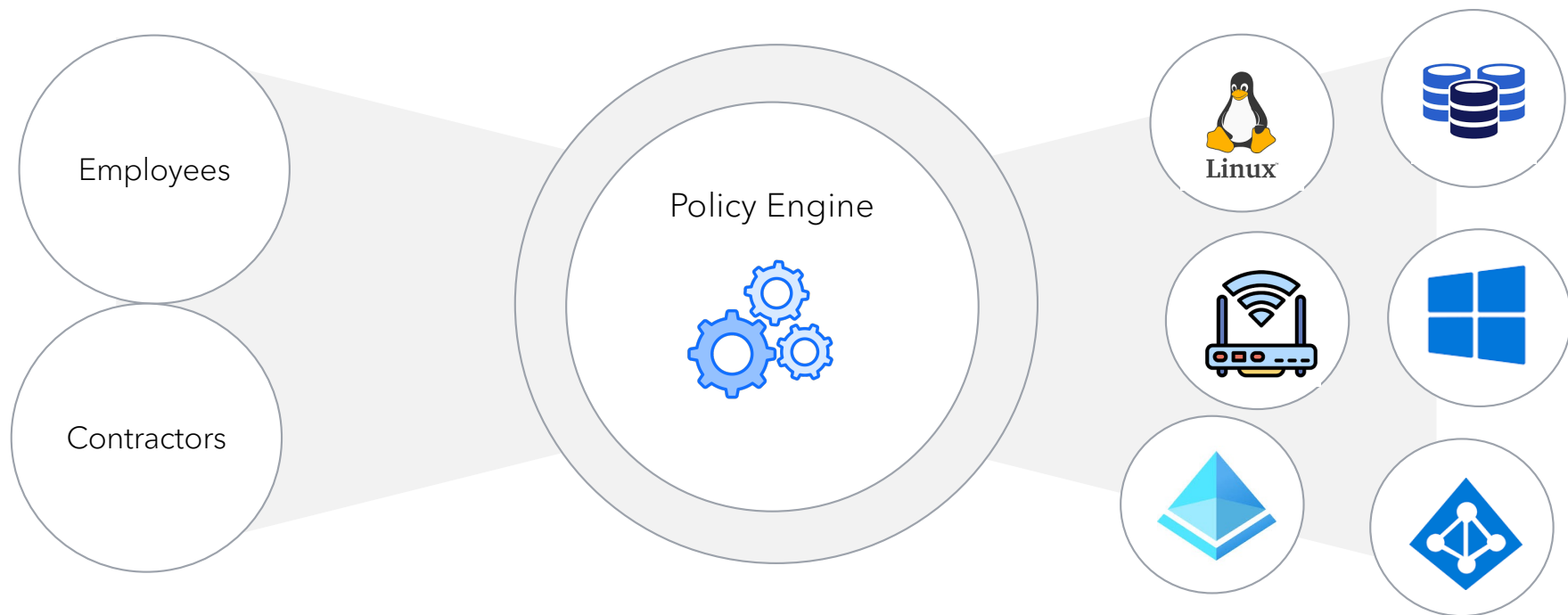
Conditional Access

Enable zero trust with strong authentication and adaptive policies



Policy based Access Control

AI agents based policy engine automatically discovers security policies based on user behavior



AI-Copilot to assist In security delivers automated policy discovery, and continuous policy improvements

Policy Co-Pilot

Hi! I can help you analyze and recommend policies based available authentication patterns.

12:21 PM

Show me recommended policies

12:21 PM

I'll analyze your authentication patterns and recommend policies...

12:21 PM

Policy Generation Statistics

| Metric | Value |
|---------------------------------|-------------|
| Authlogs Processed | 3 |
| Policies Generated | 0 |
| Time span since last generation | 561 minutes |

What type of policies would you like me to show?

12:21 PM

Active Directory

AD Groups

Endpoints

RADIUS

Database

End Chat

12:21 PM

How are we different?



No vaults to protect



Automated discovery of security policies



Biometric wallets + identity security



Decentralized = secure design

Platform Security

DEPLOYMENT MODELS

- On-prem
- Cloud with multi region redundancy
- Hybrid – fit to your model

ARCHITECTURE

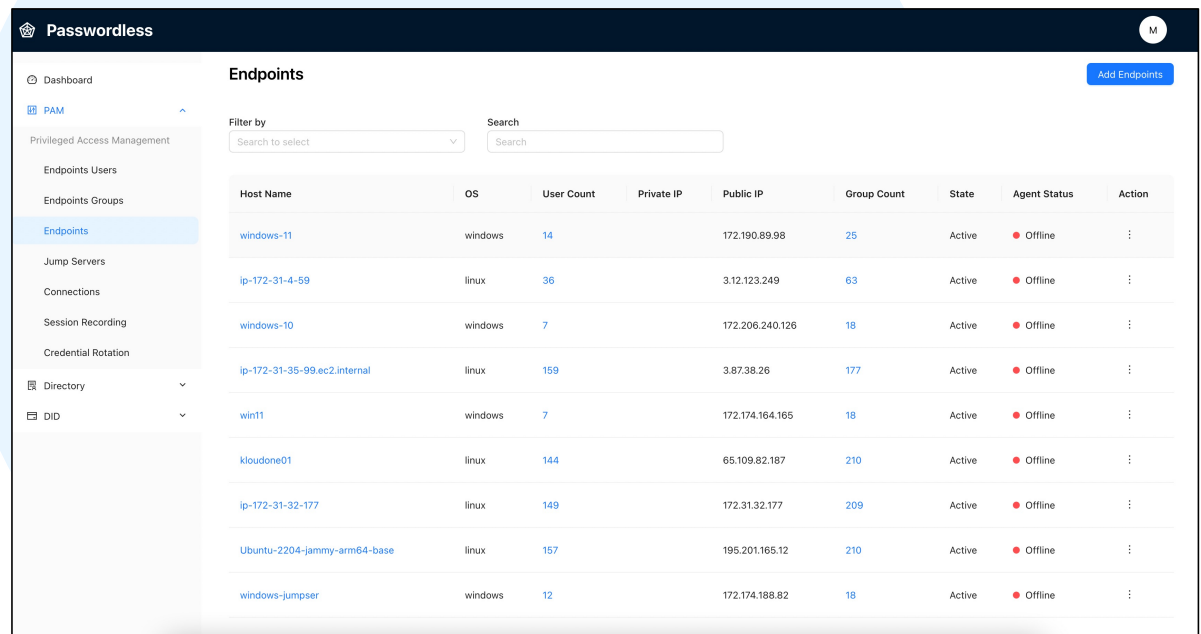
- Multi-tenant with physical database isolation
- Highly redundant & highly available

| ITEM | NOTES |
|-----------------|---|
| Security | ED25519 Signing scheme for PKI |
| Trust | Two (2) roots of trust |
| Authentication | Authentication Assurance levels 2 (AAL 2) |
| NIST | FIPS 140–2 compliant https://csrc.nist.gov/pubs/fips/140-2/upd2/final |
| Software design | Decentralized |
| Wallet | iOS / Android MacOS and Windows App coming soon. |



Demo

GET IN TOUCH WITH US
FOR A DEMO



| Passwordless | | | | | | | | | |
|------------------------------|---------|------------|------------|-----------------|-------------|--------|--------------|--------|--|
| M | | | | | | | | | |
| Endpoints | | | | | | | | | |
| Add Endpoints | | | | | | | | | |
| Filter by | | | | | | | | | |
| Search | | | | | | | | | |
| Host Name | OS | User Count | Private IP | Public IP | Group Count | State | Agent Status | Action | |
| windows-11 | windows | 14 | | 172.190.89.98 | 25 | Active | Offline | | |
| ip-172-31-4-59 | linux | 36 | | 3.12.123.249 | 63 | Active | Offline | | |
| windows-10 | windows | 7 | | 172.206.240.126 | 18 | Active | Offline | | |
| ip-172-31-35-99.ec2.internal | linux | 159 | | 3.87.38.26 | 177 | Active | Offline | | |
| win11 | windows | 7 | | 172.174.164.165 | 18 | Active | Offline | | |
| kloudone01 | linux | 144 | | 65.109.82.187 | 210 | Active | Offline | | |
| ip-172-31-32-177 | linux | 149 | | 172.31.32.177 | 209 | Active | Offline | | |
| Ubuntu-2204-jammy-arm64-base | linux | 157 | | 195.201.165.12 | 210 | Active | Offline | | |
| windows-jumpser | windows | 12 | | 172.174.188.82 | 18 | Active | Offline | | |

Thank you

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