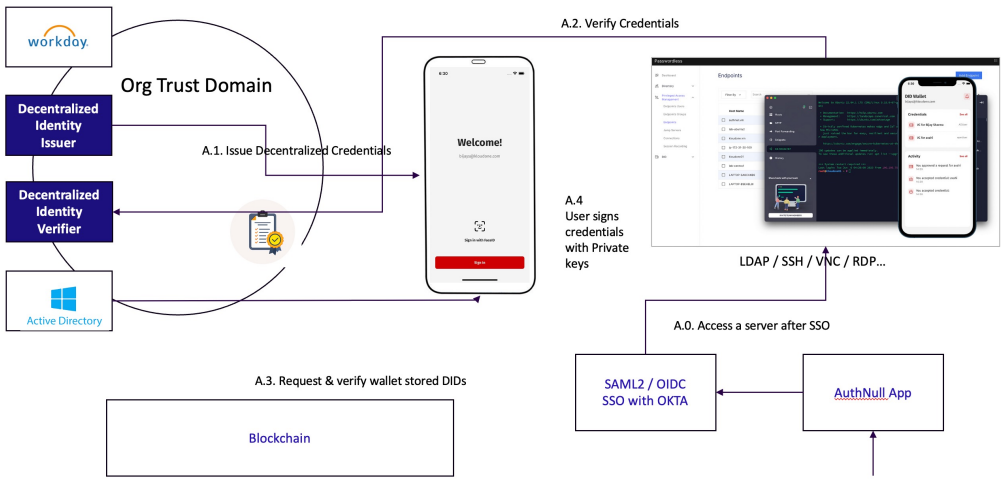
AuthNull

# Passwordless Privileged Access Management

A Zero trust approach to authentication against server infrastructure

Managing server access is a constant struggle for IT and Security teams across different scales. They face the challenge of dealing with a growing number of credentials and the need to protect vital access points. However, despite significant investments in security, it seems that the frequency of breaches remains unchanged. The core issue lies in the nature of the credentials themselves, which carry privileges without considering additional information about the user or device. AuthNull has taken a novel approach by focusing on identity and constructing a Zero Trust architecture specifically tailored for server access.

## How AuthNull works?




1. Users are onboarded to the organization through active directory, okta or other IDPs; Users are automatically issued credentials based on birthright permissions.
2. User credentials are stored in wallets signed using organization and users private keys.
3. Users attempt to login to a session using SSH, RDP, VNC, Telnet or K8s
4. Users' credentials are retrieved via the decentralized wallet, validated. Identity is validated.
5. Users are logged in; events are captured and sent to third party SIEM, blockchain for auditing.

### Why AuthNull?

It is no secret that the operational burden of authentication and authorization systems is very heavy, and inversely proportional to granularity of permissions. Fine grained permissions require the highest operational burden., whereas course grained systems require lower operational burden.

Passwords and SSH Keys are commonly compromised through phishing attacks, credential thefts, password re-use, and credential stuffing. Credential loss and and attacks on critical infrastructure are about 24-50% of all attacks.

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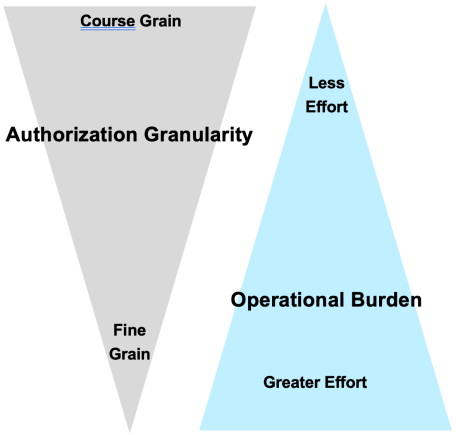


**Operational burden remains a challenge in zero trust access**

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**Passwords & SSH Keys are a bane to enterprise authentication**

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## Our value proposition / approach

- Secure, Passwordless Infrastructure access at Scale.
- Available as On-prem, your private cloud or as a SAAS solution.
- Powered by Decentralized Identities, and introducing two roots of trust. Optional Blockchain integration identities and claims
- Tamper evident credentials; extensive logging for compliance
- Eliminate SSH Keys and Passwords, rotation and distribution and introduce Passwordless 1FA.
- Support for Passwords / SSH Keys with Passwordless 2FA where backward compatibility is required
- Vaultless credential storage
- For backward compatibility – AuthNull enables effortless SSH Key and Password rotations where credentials are converted to Decentralized credentials and directly shipped to the user.

## Remove barriers to adoption

- Easy to configure endpoint enrollment automation into a tool of your choice – chef, puppet, ansible, terraform etc.
- Support multicloud environments.
- API first philosophy and design.

## PAM Features

- Discover / synchronize privileged users and groups
- 1FA or 2FA LDAP authentication or local privileged authentication
- Password rotations, ssh key rotations with automated distribution to wallets.
- Session Video and Text recording
- LDAP, SSH, RDP and VNC Authentication with 2FA support with 2FA



About AuthNull

AuthNull is a leading provider of Passwordless Authentication. AuthNull enables organizations to rollout frictionless and Passwordless authentication to their critical infrastructure. Hundreds of companies use AuthNull.

For more information visit https://authnull.com