

Passwordless MFA for Air Gap Critical Infrastructure

Traditional MFA Doesn't Work in Air Gap Environments

Ransomware attackers and Presidential mandates are pressuring critical infrastructure leadership to strengthen cybersecurity quickly. Today's frontline is multi-factor authentication (MFA) business-wide, including the air gap islands where the operational jewel resides.

Unfortunately, traditional MFA doesn't work in these environments where internet second-factors break the isolation tenant. Moreover, these mature and essential businesses are filled with custom and legacy applications that can't be easily modified or their networks rearchitected.

Passwordless MFA Pays Dividends Without Changing Your Architecture

While traditional MFA exists to strengthen password weaknesses, user password entry is still required—a bandaid on a wound that never heals. Passwordless MFA removes users from password management and puts the controls with the identity team. As a result, the security attack surface is slashed, and workforce productivity improvements pay business dividends.

Passwordless MFA for the Same Effort of MFA

Secret Double Octopus (SDO) works in a frictionless way in air gap environments out-of-the-box. The Octopus authenticator uniquely supports remote and local passwordless MFA access to air gap resources, including custom and legacy application-filled environments without forcing changes to your infrastructure.

Slash the Attack Surface, Close Compliance Gaps

With Double Octopus, identity and security leaders can guide the way to slash the attack surface and improve user productivity while closing regulatory and cyber insurance qualification gaps.

Solution Highlights

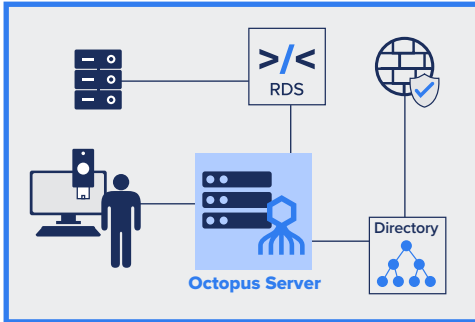
MFA that works frictionlessly with custom and legacy applications:

- No Internet required
- No changes to the network
- No changes to the directory architecture
- Passwordless MFA for the effort of MFA
- Windows, Mac, SAML, LDAP, Radius, REST
- Strong authentication for air gap, corporate, and remote workers

How it works

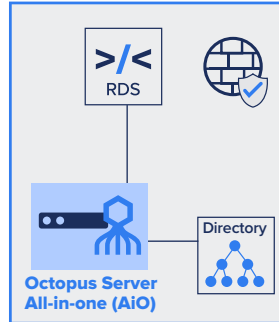
Critical Infrastructure Passwordless MFA Scales Enterprise Wide

Air Gap Critical Infrastructure



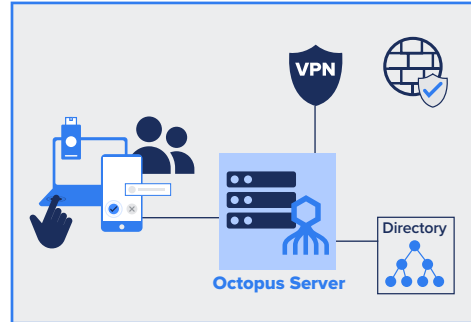
(1) Passwordless MFA strong authentication for local and remote air gap island users

Air Gap DMZ



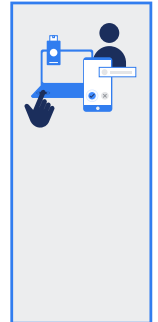
(2) Air gap DMZ is industry best practice

Corporate



(3) Start the passwordless journey with air gap, then optionally scale passwordless MFA to all of the workforce

Remote



Benefits

- Industry's only passwordless MFA solution that works frictionless with air gap critical infrastructure out of the box
- No changes to the network or directory architecture
- FIDO Certified Level 3
- Passwordless MFA pays for itself multifold through security and workforce productivity improvements
- Full Passwordless MFA works with custom and legacy applications

Summary

Passwordless MFA is one of the few technologies that pays for itself immediately. The act of removing users from password management and doing it in a way that fits into existing password-centric infrastructure makes SDO Full Passwordless MFA ideal for critical infrastructure business integration.

Change is a leap into the unknown, but passwordless has an obvious conclusion:

- Strong Authentication enterprise-wide
- Delighted users
- Secrets in control of identity and security leadership.

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About Secret Double Octopus

Secret Double Octopus is the global leader in next generation workforce authentication solutions. Its industry-leading Octopus platform offers mid-market to Fortune 100 enterprises the ability to move to a higher security, frictionless and unified authentication platform for MFA and passwordless authentication. From leveraging existing MFA authenticators to supporting legacy on premise applications, no other desktop MFA and enterprise passwordless platform offers as much robustness and flexibility as the Octopus solution. The company has been designated a Gartner "Cool Vendor" and more recently named "Best-in-Class" passwordless solution by AITE Group in 2021. Learn more at doubleoctopus.com.