CHECK POINT + SECRET DOUBLE OCTOPUS

Passwordless multi-factor authentication for remote access users

Better security, better usability for remote access users

Passwordless multi-factor authentication (MFA) for remote access users

Product Benefits

- Passwordless "touch and go" authentication
- Phishing resistant authenticator
- Compliance with strong authentication requirements
- Standards-based solution that easily integrates with third-party systems, including Active Directory

Product Features

- High-assurance mobile authenticator
- SAML2.0 and RADIUS support
- LDAP support
- Active Directory integration

INSIGHTS

Remote access has become a staple capability for most companies, allowing employees to work anywhere, anytime and from any device. But password-based authentication leaves the company vulnerable to attack. Passwords are susceptible to theft using simple phishing attacks or more advanced malware attacks. They are also prone to password hacking, cracking and stuffing. Better user authentication is therefore needed.

JOINT SOLUTION

Check Point's remote access solutions allow users to connect safely and easily to corporate applications over the internet using their smartphone, tablet or PC. Check Point remote access provides enterprise-grade access via both Layer-3 VPN and SSL VPN, and enables simple, safe and secure connectivity to corporate applications.

Secret Double Octopus' strong passwordless authentication is a major step forward in meeting both risk management and compliance requirements. While legacy multi-factor solutions add layers of cost and complexity, our innovative solution eliminates passwords which increases security, simplifies the user experience and reduces end user support costs. We swap user passwords with machine-generated, long, complex and dynamic keys and protect them with robust phone-based authentication. A single, simple "touch and go" experience can provide users with high assurance access to virtually all systems they use every day, including domains, networks, the cloud and legacy applications. Secret Double Octopus has broken the traditional security paradigm by providing organizations with better security, improving the user experience and reducing costs.

Authenticating remote access users to the Check Point's remote access solutions with the Octopus Authenticator provides the organization with better security and better usability. To establish a remote connection, users simply authorize the authentication request using the Octopus Authenticator on their mobile device, which provides multi-factor authentication based on their mobile device (what the user has) and biometric access to the Octopus Authenticator app (what the user is). By removing vulnerable passwords from the equation, the security posture of the organization is improved.

A BETTER APPROACH TO SECURING REMOTE ACCESS CONNECTIONS

Leveraging a standard RADIUS interface, the Octopus Authentication Server is configured to accept user authentication requests from Check Point's remote access server. Using secure push notification to the Octopus Authenticator installed on the user's mobile device, the user proves his identity by performing on-device authentication to the Octopus Authenticator (i.e. using a fingerprint sensor) and

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responding to the push notification that only his device can receive. Successful authentication results in an 'authentication success' response sent back to the remote access server.
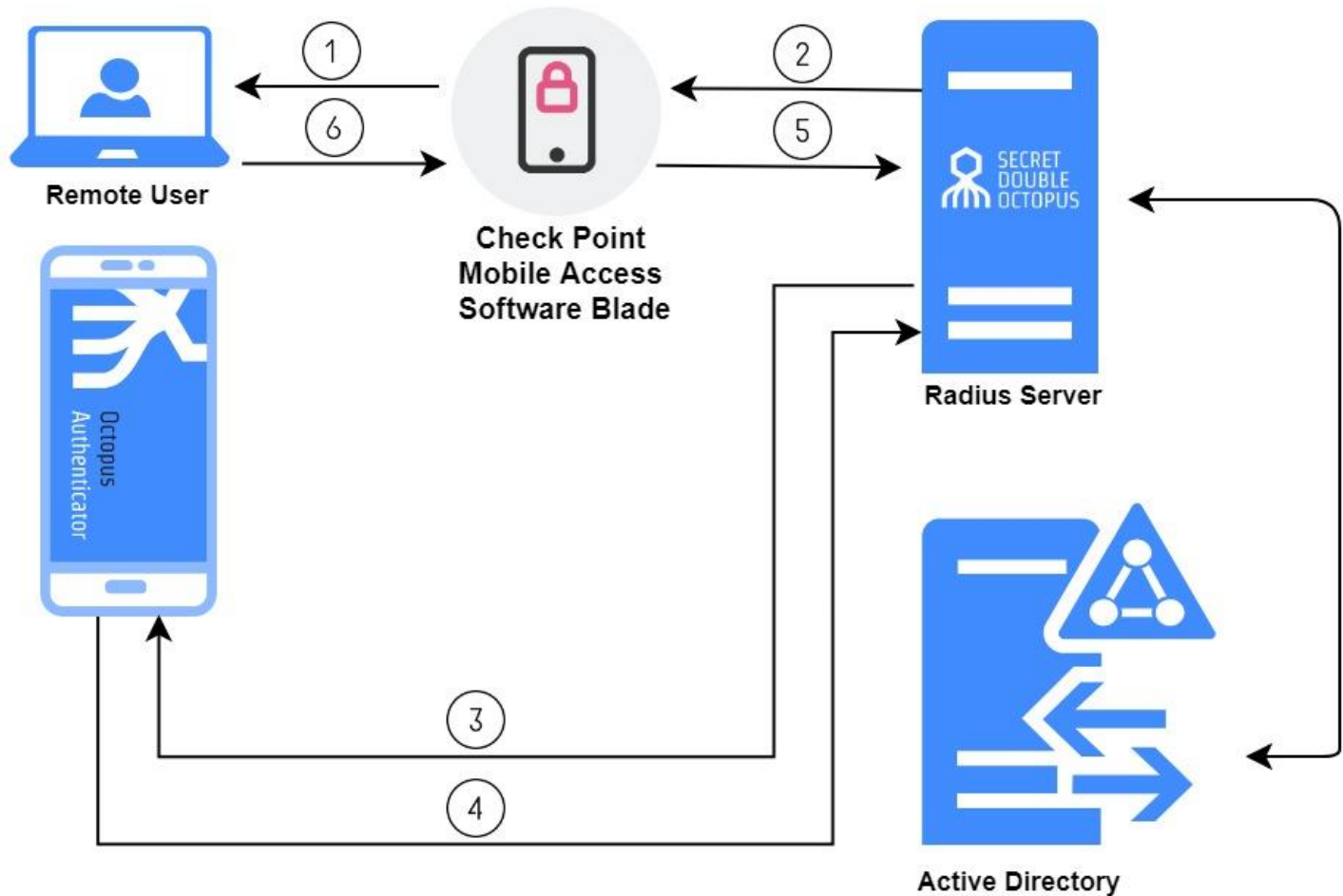
1. Initiate VPN connection
2. RADIUS authentication request
3. Secure push notification to the Octopus Authenticator
4. User authentication
5. RADIUS response
6. Complete VPN connection

ABOUT CHECK POINT

Check Point Software Technologies Ltd. (www.checkpoint.com), is the largest pure-play security vendor globally, provides industry-leading solutions, and protects customers from cyberattacks with an unmatched catch rate of malware and other types of attacks. Check Point offers a complete security architecture defending enterprises' networks to mobile devices, in addition to the most comprehensive and intuitive security management. Check Point protects over 100,000 organizations of all sizes. At Check Point, we secure the future.

ABOUT SECRET DOUBLE OCTOPUS

Secret Double Octopus delights end users and security teams alike by replacing passwords across the enterprise with the simplicity and security of strong passwordless authentication. Our unique, innovative approach provides users with a simple "touch and go" experience and a consistent way to access applications while providing stronger protection against cyber-attacks.

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