

## Security and Convenience Simple with Gatekeeper<sup>™</sup>

Remote access software can be invaluable for small businesses. Yet every time a port opens to connect with a machine outside of the network, an attacker gets to work trying to probe that access point, escalate credentials and compromise assets and/or infrastructure. The threat of network exposure is very real.

Remote access software is widely adopted for its ease, reliability, and affordability. However, remote desktop protocol (RDP) suffers from poor configuration practices, critical vulnerabilities, and increasing attacks. The FBI, NSA and DHS have all issued warnings about the risks to organizations that use RDP without adequate safeguards. The industry needs a convenient, affordable, and reliable solution to secure remote access.

Gatekeeper shields systems from the public Internet, unauthorized users, stolen credentials, probes, scans, botnets, brute force, targeted attacks and more.

**Businesses no longer have to weigh convenience against security  
— enjoy both with Gatekeeper.**



### Gatekeeper Benefits



Secure



Convenient



Client-less



No VPN  
overhead



Auditor-  
friendly



Single page  
listing of hosts  
user can access



Works with  
multiple mobile  
devices

## Understanding Gatekeeper™

Gatekeeper provides authenticated remote access without having to expose the RDP or Secure Shell (SSH) port to the public Internet.

Unlike traditional port forwarding, Gatekeeper requires end users to authenticate themselves via their username and password credentials and a Two-Factor Authentication (2FA) verification code before they are allowed to access the destination host. Gatekeeper integrates with Microsoft Active Directory for user management.

The secure and convenient Gatekeeper feature works with multiple mobile devices to offer critical safeguards:

- Multi-factor authentication (MFA) — only users that have been successfully authenticated using their name and password as well as an account-specific Gatekeeper One-Time Verification Code can gain access to the business's RDP or SSH end point.

- Least privileges access — Administrator-defined rules to grant users, or sets of users, controlled access only to specified internal resources.

- Zero Trust Network Access — Secure, one time transient firewall rules eliminate exposure to the outside world as the Gatekeeper portal creates a specialized connection only for the authorized remote users, shielding RDP and SSH systems from hostile actors.

Unlike a VPN, Gatekeeper does not require a client software installation. Gatekeeper, a feature of Calyptix's AccessEnforcer v5.0 and later, can be used with all types of devices (Windows, iOS, Android & more).

Gatekeeper addresses compliance requirements and facilitates adoption of best practices, including many outlined by NIST 800-53 and NIST 800-171.

Questions about Gatekeeper?

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