

# CyberHive Gatekeeper for Microsoft 365

Private cloud managed service that protects your digital workforce when they meet, chat, call, and collaborate online

CyberHive manage everything to give your organisation a fully-functioning secure and scalable Microsoft 365 solution.



## Time and cost savings

Our scripted approach improves your business agility and keeps you in control.



## Simplify user access

Simple and easy user access that complies with cyber industry best practice.



## Enhance security

Secure your business information - protected by elevated and impassable security.

## Why CyberHive Gatekeeper?

Over 345 million people use Microsoft 365, the cloud-first platform that provides your digital workforce with the flexibility to meet, chat, call, and collaborate, all in one place.

Unfortunately, this very flexibility introduces security challenges for many organisations, greatly increasing the chances of them becoming the latest victim of a cyber attack.

Recognising these challenges, CyberHive developed a truly secure way to implement Microsoft 365 which overcomes many of the issues associated with alternative approaches.

## CyberHive Gatekeeper for Microsoft 365

Is a private cloud service, built specifically for your business and managed for you by CyberHive.

It is delivered as a managed service, hosted on the industry-leading AWS cloud, and operates a private instance for each customer. This proven CyberHive approach takes care of everything needed to give your organisation a fully-functioning secure and scalable Microsoft 365 solution.

It is configured, deployed and managed for you by CyberHive's highly skilled team of experts. All you need to do is supply the end-user devices and get on with your business. Or, if required, we can source and supply your users with suitable devices.

## Simple, secure and easy to use

**CyberHive Gatekeeper for Microsoft 365** keeps things simple and secure, yet totally responsive and ready for your most demanding business needs.

CyberHive manage all day-to-day IT support needs including onboarding, device monitoring, managing updates, patching, operating system upgrades, vulnerability monitoring, remediation, identity monitoring, sign-in risk assessment, offboarding, deletions and wiping.

We also offer a range of customisable solutions to deliver an enhanced package of services to meet additional needs. These can include items such as data management, automation of approval processes and many other related IT services on request.

## Secure design for access and administration

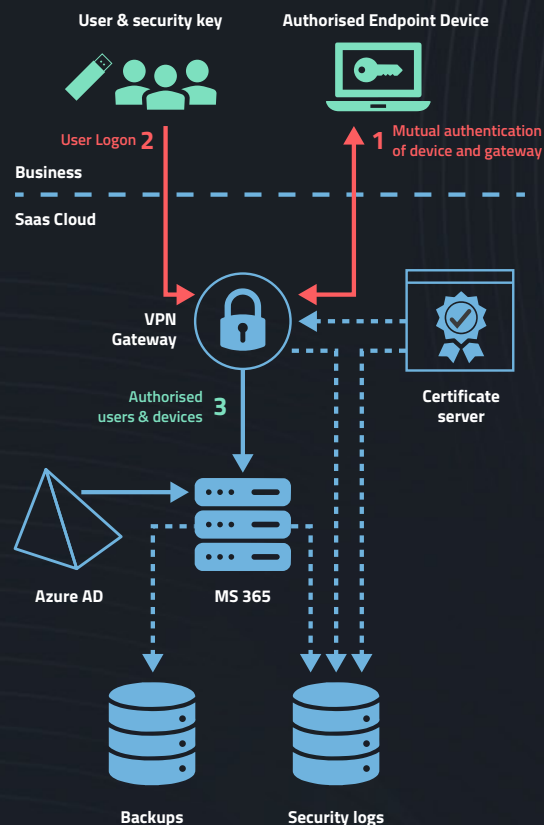
**CyberHive Gatekeeper for Microsoft 365** is designed to be extremely simple to use for the end-user because it avoids introducing complex log-on procedures and yet retains the benefits of a highly secure system.

Access into Gatekeeper's cloud environment is secured through a VPN gateway.

- The end-users' devices use a pre-installed security certificate;
- log-on is completed using their password and dedicated USB security key;
- no single security lapse can result in unauthorised access;
- use of a locked-down range of source IP addresses can also be configured.

**CyberHive** will transform the way you work by;

- simplifying access to your existing end-user devices; only a minimal footprint is required on laptops and mobile phones;
- encompassing proven innovation developed in conjunction with the Digital Security by Design (DSbD) initiative supported by the UK government;
- utilising the world's best technology from industry leading brands, making it easy to comply with cyber industry best practice;
- protecting your information with elevated and impassable security, yet retaining simple and easy end-user access, improving your cyber security posture.



## Protecting your business

The VPN is configured to require bidirectional authentication based on dual digital certificates. This aims to prevent man in the middle attacks.

A private certificate authority server is used to generate certificates for the VPN and end-user devices. It is kept offline until required to reduce the available attack surface.

In the event of end-user device loss or theft, the client certificate can be added to a certificate revocation list to lock out the device.

Access to Microsoft 365 is controlled by Microsoft Azure Active Directory (AD). Conditional access policies can also be used to enable fine-tuned restrictions where required by your organisation.


Gatekeeper also uses Microsoft 365 Advanced Threat Protection to check email attachments and links for malware, blocks malicious files in SharePoint, and attempts to detect phishing attacks and spoofed emails.

Appropriate security logs are recorded from key components such as the VPN gateway, the certificate server, and Microsoft 365 and stored on immutable cloud storage.

A standard backup solution is included for business data.

Administration access by CyberHive is highly controlled with key-based authentication and connections restricted to an allow-list of approved management IP addresses.





## Fast deployment – reliable administration

The managed service includes the appropriate level of Microsoft 365 licences to ensure availability of all the facilities required. Deployment uses CyberHive's standard and approved architecture and our scripted approach allows it to be rapidly yet confidently deployed, improving your business agility while maintaining governance control.

## Reliable and resilient

The critical firewalls, VPNs, servers and networking components deployed in Gatekeeper use multiple redundant servers and systems to ensure that no single failure can result in losing access to your Microsoft 365 service.




## Microsoft 365 licences

The Microsoft 365 Business Premium package is standard for Gatekeeper as it meets the needs of providing desktop and cloud versions of Outlook, Word, Excel, PowerPoint and OneNote along with hosted Exchange and SharePoint. Additional packages from Microsoft are used including:

- Azure AD to provide resilient active directory services
- Advanced Threat Protection which checks email attachments and links for malware, blocks malicious files in SharePoint online, and attempts to detect phishing attacks and spoofed emails

## Enhanced authentication

Multi-factor authentication can be achieved using most standard two-factor authentication systems. For maximum security this is achieved using hardware YubiKeys from Yubico, to act as the second factor.



## Ready for your SOC and SIEM

CyberHive deploys custom code on a centralised logging server. This pulls logs from Microsoft 365 and all other cloud platforms and services and automatically transfers them to the activity datastore. Data is then available for monitoring by your existing or future Security Operations Centre (SOC) and Security Incident and Event Management (SIEM) system.





## Flexible – your business – your choice

CyberHive is responsive to the detailed requirements of your organisation, therefore several items that can be considered for your deployment include:

- the method of deployment of certificates to your end-user device estate can be achieved in several ways and we will explore with you the most suitable for your business;
- if your organisation has extended requirements for connectivity, perhaps encompassing restricted gateways as well as remote users, additional VPN gateways can be provided;
- specific requirements for the configuration of the Microsoft 365 environment;
- a balanced set of audit log recording is configured as standard and these are stored in immutable cloud storage for one year. Additional logging can be designed in for you;
- the geolocation of the AWS cloud is selectable (within the extent of AWS service availability), so for example a UK entity can specify UK hosting;
- CyberHive can optionally create or takeover and then manage, the domain that will be used with the system.



## CyberHive

With over 20 years' experience, CyberHive brings you a new standard in cyber security.

Helping to protect your data not only from external threats, but also from any security lapses by employees, which could damage your business reputation and even result in a loss in revenue.

CyberHive offer innovative, scalable and secure products including Gatekeeper for Microsoft 365, the award winning Trusted Cloud, and CyberHive Connect.

**Cyber security is not just a technology decision, it's a business decision.**



## Act now and get in touch

Don't leave your organisation open to attack, safeguard your cloud workloads, critical connections, and sensitive data today.

Contact [info@cyberhive.com](mailto:info@cyberhive.com) or visit [www.cyberhive.com](http://www.cyberhive.com) to find out how CyberHive can protect your business.

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