

Business VPN

Health Checklist

The good news is you quickly got your workforce up and running using the work-from-home (WFH) model. The bad news is by implementing a broad remote access VPN solution, you just expanded your attack surface by orders of magnitude. With WFH becoming the new norm, now is a good time to mitigate security risks associated with your remote access solution. Here's a quick best practices hit list to improve your remote access VPN security:

Are VPN users authenticated against a source that enforces password complexity and password policies?
(for example: account lockout, password expiration, etc.)

Are next-generation firewall capabilities applied to VPN traffic?
(for example: intrusion prevention system/anti-virus/anti-malware/etc.)

Is multi-factor authentication used as part of the authentication process?

Is the VPN concentrator up to date on firmware/software code and covered under a current support contract?

Are endpoints scanned for compliance before allowing them to be authorized onto the network?

Does the VPN solution allow for different access rules for different groups of users?
(for example: contractors, sales, IT, etc.)

Is the VPN solution using SSL encryption and if so, is a publicly signed SSL certificate used?

Is external login enabled on the VPN solution such that a user login event can be identified within a 7-day period?

When connected to the VPN, is VPN user Internet traffic backhauled to your corporate firewall or offloaded directly out to the Internet?

Are VPN timeout settings less than eight (8) hours?

or

If Internet traffic is backhauled to the corporate firewall, is bandwidth being monitored to ensure there are no saturation issues?

If Internet traffic is directly sent out to the Internet, is the organization able to protect the remote endpoint from malicious websites or content?

Each "check" earns **1 pt.**

Total all points and take our suggested action:



9+ pts | You are in solid shape. **Keep up the good work!**

6-8 pts | You should put a plan in place **to roadmap improvements.**

5 or less pts | **Immediate action is needed.**