The State of Layered Security in 2021

Layered security can help

Multiple layers of a network’s defenses can fail in a breach. Start with these core layers:

1. Network
   - Monitor network traffic around the clock
   - Close open Internet-facing ports
   - Enable proactive DNS filtering on all networked devices
   - Use an endpoint firewall like Windows® Firewall to help prevent lateral spread on a network
   - Implement a dedicated email security solution to extend the native security in application like AppLocker®

2. Application
   - Use a password manager internally for your team
   - Configure email to disable macros, block email programs
   - Offer regular security training to help users recognize scams, set strong passwords, and follow security policies
   - Look into cloud-based firewalls to further move protection outside of the perimeter
   - Look for backup that offers:
     - Automated recoverability
     - Automated testing to make sure backups are working
     - Standby systems to help you meet the current moment with confidence

3. People
   - Avoid using end-of-life (EOL) software as operating systems and third-party software typically are unsupported
   - Schedule regular patching of both systems and applications
   - Consider offering endpoint vulnerability scans to find such issues as missing patches, default or malware deletes, or malware deletes local backup
   - Implement a dedicated email security solution to extend the native security in application like AppLocker®
   - Choose an antivirus solution that uses artificial intelligence (AI) and machine learning to detect advanced attacks

Layers are critical to online security. The average cost of a data breach is $280,000.

For comprehensive coverage, partner with an MSSP

They can help:

- Back up and restore systems
- Monitor online applications
- Set remote monitoring and management (RMM) rules to flag services being disabled in bulk
- Choose an antivirus solution that uses artificial intelligence (AI) and machine learning to detect advanced attacks
- Implement a dedicated email security solution to extend the native security in application like AppLocker®

Lay a strong foundation

Get the tools you need to provide strong layered security services. For comprehensive coverage, partner with an MSSP.