# Modern Security Tools Comparison Chart

Use this chart to understand the differences between basic protection tools and modern, layered security technologies.

## 🔍 Antivirus vs. Endpoint Detection & Response (EDR)

Antivirus:  
- Detects known threats using signature databases  
- Blocks files and quarantines infected items  
- Limited visibility or behavioral analysis  
  
EDR:  
- Monitors real-time activity and system behavior  
- Detects unknown threats and suspicious behavior  
- Provides alerts, logging, and response options

## 🌐 Firewall vs. DNS Filtering

Firewall:  
- Protects your network from inbound threats  
- Blocks unauthorized traffic  
- Can be hardware or software-based  
  
DNS Filtering:  
- Blocks access to malicious websites before a connection is made  
- Prevents phishing and drive-by downloads  
- Works at the domain resolution level

## 🔑 Passwords vs. Multi-Factor Authentication (MFA)

Passwords:  
- Single point of failure  
- Often reused or weak  
  
MFA:  
- Requires an additional layer (like a phone or app)  
- Stops most credential-based attacks  
- Easy to deploy with cloud services

## 💾 Local Backup vs. Cloud/Immutable Backup

Local Backup:  
- Fast recovery but vulnerable to fire/theft/ransomware  
- Often stored on the same network  
  
Cloud/Immutable Backup:  
- Stored offsite and protected from local attacks  
- Often encrypted and version-controlled  
- Can’t be altered once written