# 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