

Difference between Firewall and Antivirus

Feature	Firewall	Antivirus
Purpose	Monitors and controls incoming and outgoing network traffic, based on defined rules	Detects, blocks, and removes or quarantines malicious software (viruses, malware)
Protection Scope	Network-level protection	File-level and system-level protection
Functionality	Controls network access and traffic based on rules and policies	Scans files, programs, and system processes for known malware signatures
Threat Detection	Analyzes network packets and filters traffic based on predefined rules	Scans files and processes for known malware signatures and behavioral patterns
Real-Time Protection	Provides network-level protection in real time	Provides real-time scanning and protection against malware
Malware Detection	Does not primarily focus on detecting specific malware	Focuses on detecting and identifying specific malware signatures
Updates	May require manual configuration and rule updates	Regularly updated with new virus definitions and detection algorithms
User Interaction	Less user interaction required, primarily operates in the background	May require user interaction for scans, quarantine decisions, etc.
Types	Can include network firewalls, host-based firewalls, or hardware firewalls	Can include traditional antivirus software, internet security suites, etc.

Feature	Firewall	Antivirus
Complementary	Often used in conjunction with antivirus software for layered protection	Often used in conjunction with a firewall for comprehensive security

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