

# Applied threat analytics help strengthen and expand cybersecurity protection



It seems that every day there is a new headline announcing a cyberattack against a U.S. company, signaling an increase in the volume and sophistication of attacks that threaten our nation's infrastructure – both public and private.

The Department of Homeland Security (DHS) regularly receives a broad range of sensitive and classified cyberthreat information from agencies across the federal government, and shares this data with trusted Commercial Service Providers (CSPs) to provide

Enhanced Cybersecurity Services (ECS). Presently, AT&T is one of only a few of these qualified providers selected to offer Enhanced Cybersecurity Services to commercial, state and local government, and education customers.

## Potential Benefits

- Reduces phishing emails by providing enhanced email scanning
- Neutralizes dangerous email strings or attachments
- Prevents users from accessing malicious DNS sites
- Provides protection from infected machines establishing command- and-control links to external entities

## Features

- Malicious email filtering (MEF) provides enhanced email scanning and isolation capabilities for inbound email forwarded to our servers
- Domain name service (DNS) sinkhole security redirects traffic away from other malicious sites and otherwise denied servers (known as sinkhole servers or safe servers)
- AT&T Operations Centers provide 24x7 support, generate event notifications, data analytics, and produce summary reports

## Service Description

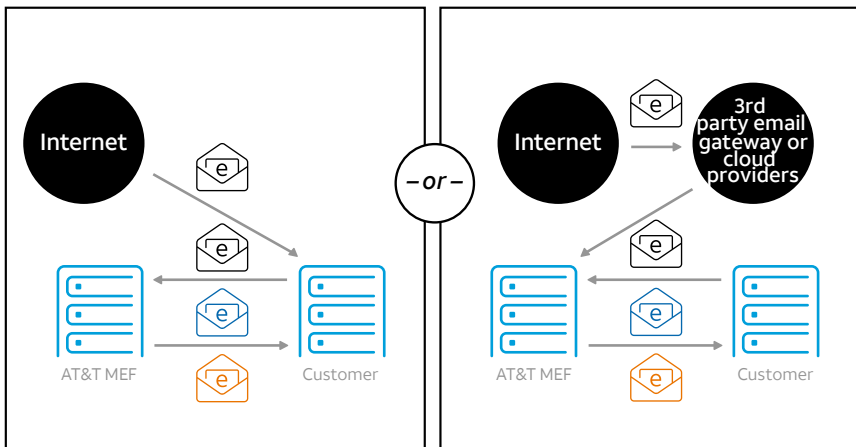
Managing, protecting, and accessing the thousands of email messages and Domain Name Service queries that pass through customer servers every day is an enormous task. AT&T Enhanced Cybersecurity Service helps system administrators spot potential threats and respond to cyber-attacks as they occur. This managed security service is designed to help our customers, large and small, strengthen their defenses against advanced cyberthreats.

Standard commercial security services may not be potent enough to address two increasingly dangerous vectors – malicious email and targeted phishing attacks using email and compromised web pages. AT&T Enhanced Cybersecurity Service goes beyond what is typically available today by employing

classified threat indicators to help detect potentially dangerous data on our customers’ computer networks and activate countermeasures to provide cyberprotections. Employing custom algorithms, malware signatures, email filters, Domain Name System blacklists, and countermeasures to help detect and address advanced persistent threats, AT&T Enhanced Cybersecurity Service automatically scans information entering or leaving enterprise networks to help identify and catch malicious data.

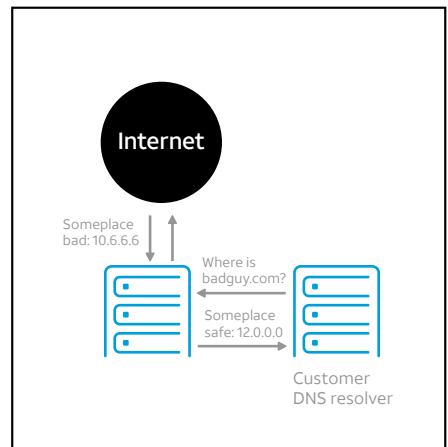
To help protect customer information, logs and storage media are handled according to our standard commercial practices that include policies dealing with customer privacy, information management, and information security. This service is provided from our hardened facilities that are directly connected to multiple AT&T network peering points.

Figure 1: Malicious email filtering is designed to stop initial email-borne infections of the enterprise



- ✓ Inbound email filtering only
- ✓ Email must be processed by anti-spam engine before being forwarded to MEF

Figure 2: Domain name service sinkholing is designed to sanitize malicious domain names



Proven longevity and stability in the marketplace, combined with world-class services, uniquely positions AT&T to provide a high-quality, cost-effective solution. Combining the visibility and control of the AT&T network with threat intelligence and incident response expertise facilitates early threat detection and minimizes the effect of attacks. This enables AT&T to provide highly secure services that help protect what is most important, your data.

For specific questions relating to our Enhanced Cybersecurity Service program management, contact us directly at [ECS-PMO@list.att.com](mailto:ECS-PMO@list.att.com)

To learn more about AT&T Enhanced Cybersecurity Service, visit [www.att.com/network-security](http://www.att.com/network-security) or [have us contact you](#).

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