

# Barracuda Sentinel

## Artificial intelligence for real-time email protection

Business email compromise (BEC), spear phishing, and account takeover are today's top email threats. These hyper-targeted attacks trick employees into making terribly costly mistakes.

Barracuda Sentinel combines artificial intelligence, deep integration with Microsoft Office 365, and brand protection into a comprehensive cloud-based solution that guards against these potentially devastating attacks.

### Real-time defense against business email compromise

Sentinel's unique API-based architecture lets its AI engine study historical email and learn users' unique communication patterns. It can then identify anomalies in message metadata and content, to find and block socially engineered attacks in real time.

This approach based on historical patterns is far more accurate than traditional policy-based strategies for detecting socially engineered and account-takeover attacks.

### Protection against account takeover and insider risk

Account takeover lets hackers secretly study their target and plan their attack. Gateway defenses never see the internal attacks that are launched from these compromised accounts, so they can't detect them.

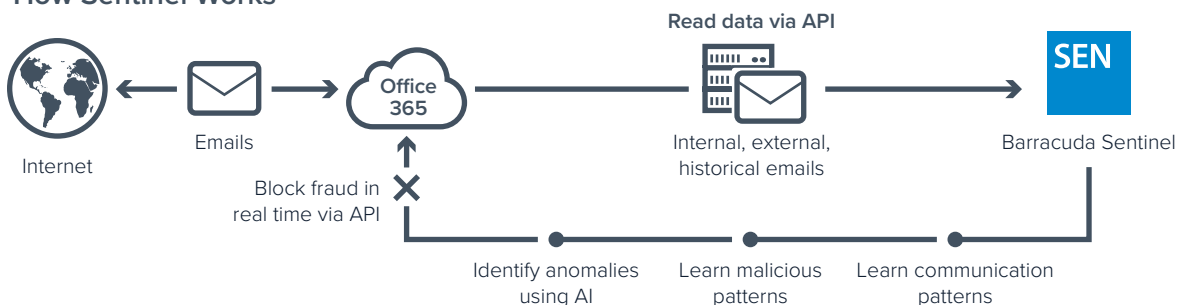
Sentinel stops phishing attacks used to harvest credentials for account takeover. It detects anomalous email behavior and alerts IT, then finds and removes all fraud emails sent from compromised accounts.

### Brand protection and domain fraud visibility

Domain spoofing is a common type of social engineering attack that targets your employees, customers, and partners. Sentinel helps prevent email domain fraud with DMARC (Domain-based Message Authentication Reporting and Conformance) reporting and analysis.

Barracuda Sentinel helps set up DMARC authentication. Granular visibility and analysis of DMARC reports helps you minimize false positives, protect legitimate email, and prevent spoofing.

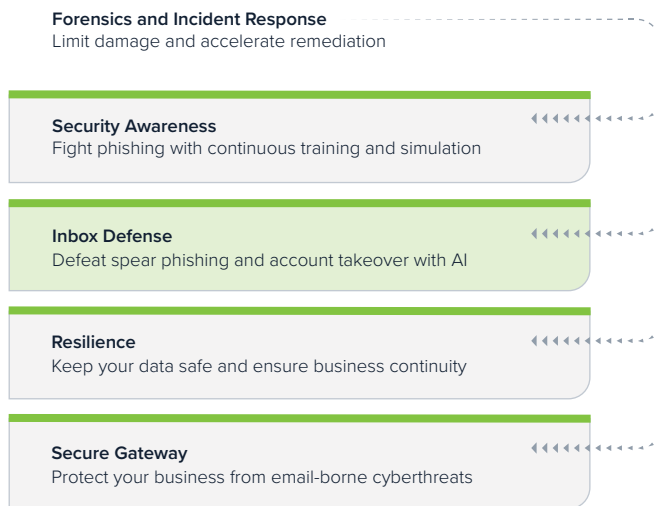
### How Sentinel Works



# Barracuda Sentinel

## Inbox Defense ✓

Barracuda Total Email Protection is a multi-layered email protection solution, where Sentinel provides AI-based protection against spear phishing, account takeover, and business email compromise.



*Barracuda Total Email Protection multi-layered email protection*

## Key Features

### AI for Real-Time Protection

- Stops spear phishing attacks in real time
- Uses artificial intelligence to learn each organization's unique communications patterns
  - Maps social networks inside the company to understand typical communications patterns
  - Identifies anomalies in metadata and content
- Real-time notification
  - Quarantines messages automatically
  - Alerts administrators and users
  - Visibility into historical and internal communications
- Comprehensive protection against personalized attacks, commonly known as spear phishing, business email compromise (BEC), whaling, impersonation attempts, and/or CEO Fraud
- Blackmail and extortion email protection

### Account Takeover Protection

- Real-time defense and remediation
- Detects and alerts account takeover activity/compromised email
- Notifies external users and deletes compromised email
- Blocks attackers' access to compromised account
- Provides visibility into inbox rule changes
- Alert on suspicious sign-ins

### Domain Fraud Protection

- DMARC authentication and analysis to prevent:
  - Brand hijacking
  - Domain spoofing
- Intuitive wizard to help set up DMARC authentication
- Analysis of DMARC reports to understand who is sending mail from each domain
- Ensure deliverability of legitimate messages
- Actionable step-by-step insights to comply with DMARC

### High Risk Employee Analysis

Identify high-risk individuals inside the company using artificial intelligence

### Reporting

- Threat environment analytics
- Attacks detected over time
- Insights into impersonation and BEC attacks

## Deployment and Availability

### Available to Microsoft Office 365 Users Worldwide

### 100% Cloud Delivered

No hardware or software required to install or maintain

### Works Alongside any Email Security Solution

- Barracuda Essentials—email security, archiving, and backup for Office 365
- Barracuda Email Security Gateway
- Microsoft Exchange Online Protection (EOP)
- Others

### API-based Architecture

- Direct connectivity to Office 365
- Zero impact on network performance or user experience
- Fast, easy set-up (less than 5 minutes)

List pricing is based on per user, per year. Discounts are available to Barracuda Essentials and Barracuda Email Security Gateway customers. Volume discounts apply. International pricing may vary. Additional information is available at [barracudasentinel.com](http://barracudasentinel.com).

