Proofpoint Web Security

Key Features

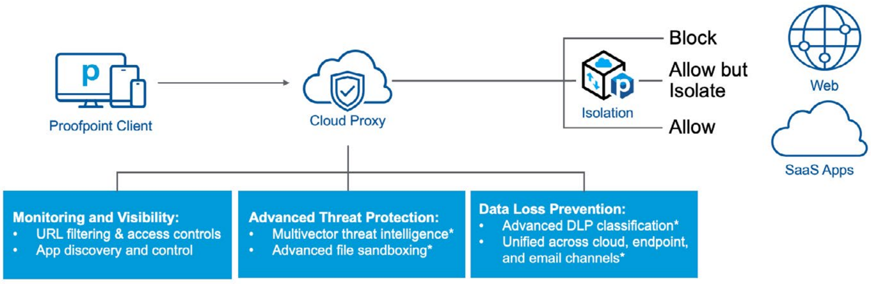
- **Monitoring and Visibility**—Decrypts and inspects SSL traffic; domain-, URL- and IP-based filtering; category-based filtering for content and threats; enforcement through a customizable block page and through browser isolation; inline SaaS discovery (shadow IT) and application control
- **Advanced Threat Protection**—Inline file download protection; enforcement through a customizable block page and through browser isolation; reputation-based detection and prevention based on Proofpoint's threat intelligence; sandboxing; zero-day protection
- **Data Loss Prevention**—Inline download and upload protection; enforcement through selective browser isolation; hundreds of predefined detectors, dictionaries, and smart IDs; customizable data types
- **Management**—Cloud-native; globally distributed proxy; cloud-based management; common client with Proofpoint ZTNA and CASB; modular component of Proofpoint Information and Cloud Security Platform; Windows and Mac OS support; SSO authentication; user provisioning with IdP (SCIM, SAML, JIT); SIEM integration

Proofpoint Web Security protects your users against advanced threats when they browse the web. It supports your distributed workforce by ensuring secure internet access for all of your workers, whether they're inside or outside of your perimeter. It applies monitoring and visibility, advanced threat protection and data-loss prevention (DLP) policies in a people-centric approach to security.

Monitoring and Visibility

Monitoring and visibility are central to Web Security's approach. The solution inspects all SSL traffic out of the box. This uncovers threats and lets you know when workers view noncompliant content. It also detects software as a service (SaaS) apps and applies controls to secure them. These controls help prevent:

- Credential theft
- Viewing of restricted content
- Visiting noncompliant websites
- Botnet behavior and command-and-control communications
- Using unsanctioned SaaS apps (shadow IT)


Proofpoint Client
Cloud Proxy
Isolation
Block
Allow but Isolate
Allow
Web
SaaS Apps
Monitoring and Visibility:
• URL filtering & access controls
• App discovery and control
Advanced Threat Protection:
• Multivector threat intelligence*
• Advanced file sandboxing*
Data Loss Prevention:
• Advanced DLP classification*
• Unified across cloud, endpoint, and email channels*

* Powered by Proofpoint engines

Figure 1: How Proofpoint Web Security works.

Web Security identifies threats in real-time. It monitors for danger at the domain, URL and IP levels, providing you with comprehensive coverage that reduces overhead. Web Security can also block sites. And it can isolate users' web sessions automatically if they browse to suspect URLs. You can apply these controls to your whole organization. You may also choose to apply them only to certain user groups or high-risk users.

Advanced Threat Protection

Web Security's advanced threat protection secures your endpoints. It blocks known threats using signature-based detection. As for unknown zero-day files, it inspects them in a real-time sandbox in the cloud. Web Security also works transparently. It does not noticeably impact a user's experience when they download malicious files or visit suspect sites. It employs Proofpoint's threat intelligence, which is powered by Nexus Threat Graph.

Data Loss Prevention

Integrated with Proofpoint Enterprise DLP, Web Security provides built-in DLP for all web apps. It also provides shared data classification and a single pane of glass for alert management and investigation. You can restrict uploads or downloads by category, URL or risk level. You can also enforce a read-only mode when users visit suspect URLs.

Web Security has more than 240 data classification detectors, dictionaries and smart IDs for multiple data types. It also includes simple, unified classification policy definitions with bult-in templates. Because many organizations require customized data sets, exact data matching can be used. All rules may be applied to the whole organization, certain user groups or key individuals.

Management

Web Security is cloud-native. It can scale to meet any of your needs. Its global distribution also ensures low latency, regardless of your users' location. And all management is done via a cloud-based console. Since the solution is API-based, it can be managed remotely. And it integrates well with your security information and event management (SIEM) system. Web Security uses the same endpoint client as Proofpoint Zero-Trust Network Access (ZTNA) and Proofpoint Cloud App Security Broker (CASB).

Proofpoint Information and Cloud Security Platform

Web Security is a component of Proofpoint Information and Cloud Security platform. The platform delivers consistent security across your organization as part of your security service edge (SSE) strategy. And it provides a unified administrative and response console.

The platform includes the following products:

- Proofpoint Cloud App Security Broker (CASB)
- Proofpoint Zero Trust Network Access (ZTNA)
- Proofpoint Web Security with Browser Isolation
- Proofpoint Email Data Loss Prevention (DLP) and Encryption
- Proofpoint Insider Threat Management (ITM) with Endpoint Data Loss Prevention

The platform also provides intelligent risk modeling, world-class threat content and behavior detection as well as comprehensive visibility and control.

LEARN MORE

For more information, visit **proofpoint.com**.

ABOUT PROOFPOINT

Proofpoint, Inc. is a leading cybersecurity and compliance company that protects organizations' greatest assets and biggest risks: their people. With an integrated suite of cloud-based solutions, Proofpoint helps companies around the world stop targeted threats, safeguard their data, and make their users more resilient against cyber attacks. Leading organizations of all sizes, including more than half of the Fortune 1000, rely on Proofpoint for people-centric security and compliance solutions that mitigate their most critical risks across email, the cloud, social media, and the web. More information is available at **www.proofpoint.com**.