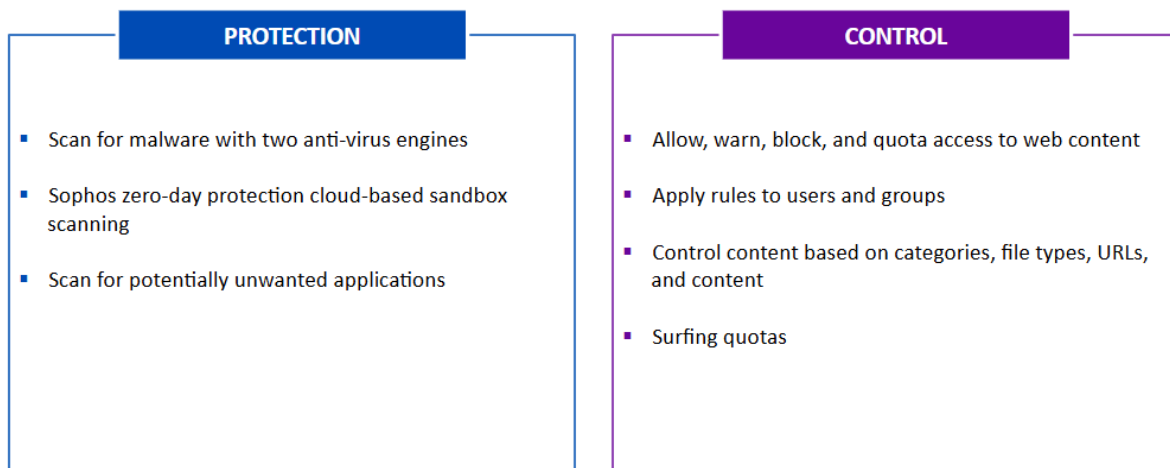


Web protection in sophos firewall

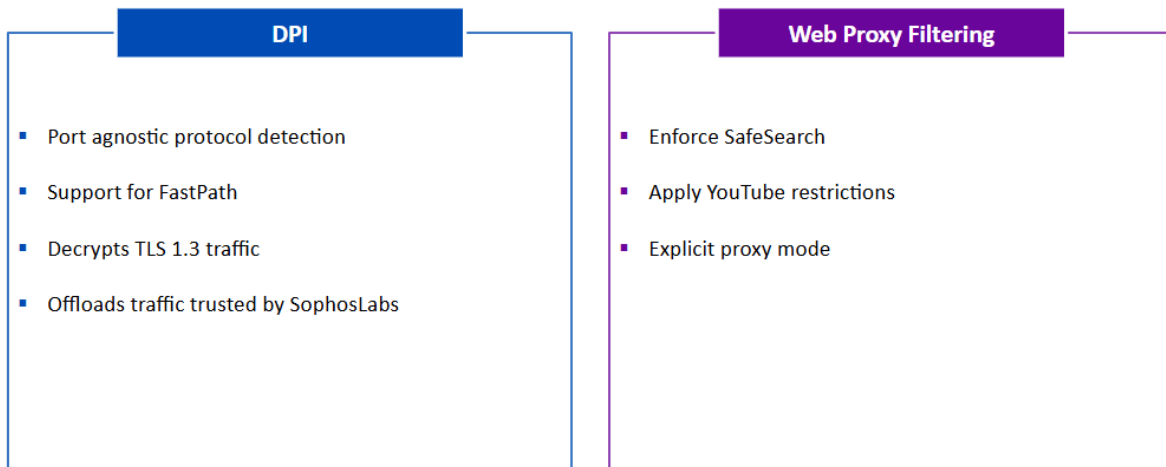
- Web protection is used to defend against the firewall and to control user behaviour.
- Can scan malicious content using 2 AV engines. (sophos and Avira)
- If any additional checks are required then zero day protection in addition to malicious content.
- We can also block malicious applications to download in your environment.

Web Protection Overview



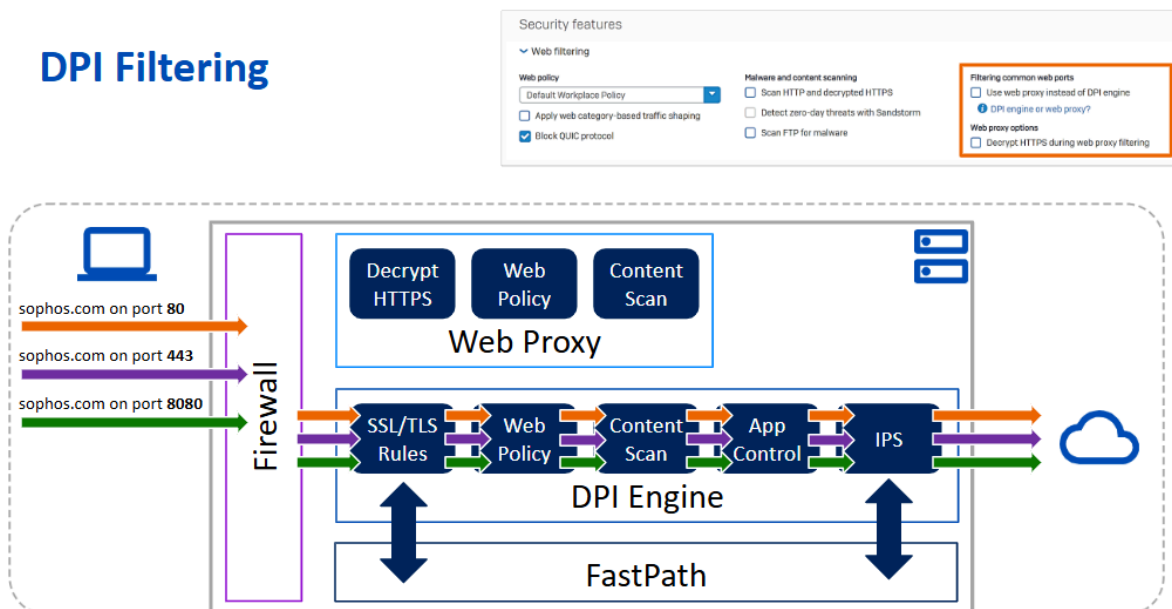
DPI VS Web proxy

DPI vs. Web Proxy Filtering



Port agnostic works in DPI engine where it can inspect the traffic on any ports.

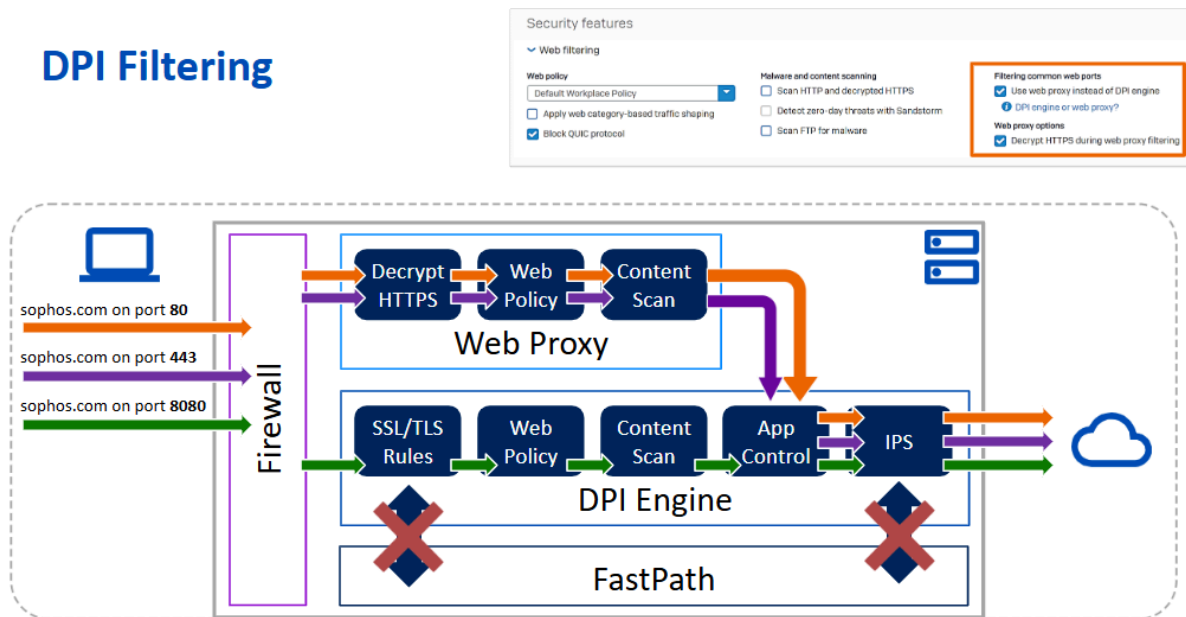
DPI Filtering



This diagram shows that the traffic is handled by DPI Engine, and proxy-less web filtering.

Perform SSL/TLS decryption on any port using port agnostic protocol. Here the DPI engine also allowed the traffic to secure traffic to the fast path.

DPI Filtering



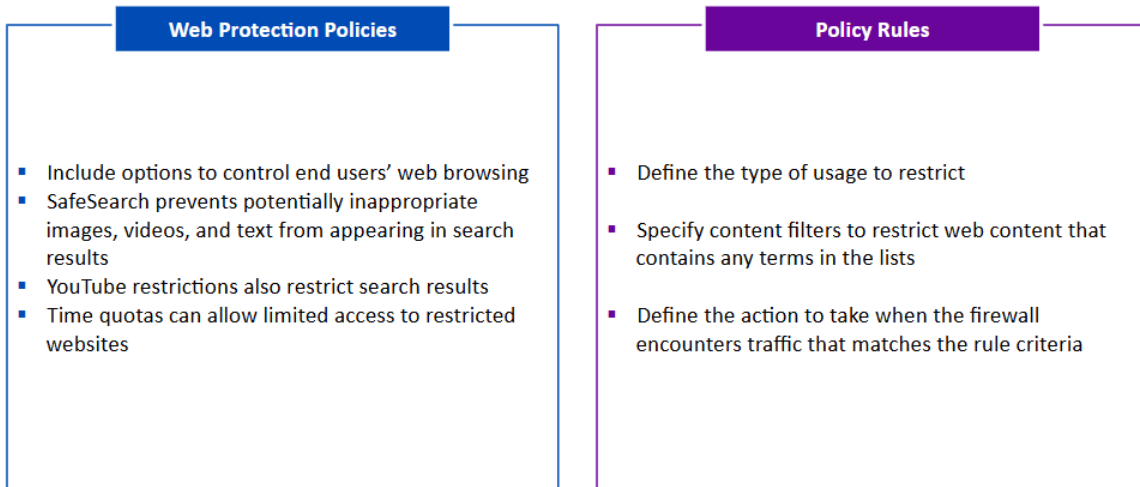
If we enable Web proxy for port 80, 443, then the traffic will be passed through web proxy to decrypt https, web policy and content scanning before moving to the DPI engine (app control).

When a web proxy is used then none of the traffic will be offloaded to the fast path.

When to Use Which?

- Use DPI:
 - When performance is a priority.
 - For general threat detection and application control.
 - In scenarios with limited SSL inspection needs.
- Use Web Proxy:
 - When you need detailed web filtering policies.
 - For environments requiring user authentication and caching.
 - To enforce strict web usage controls for compliance purposes.

Web Policies



It controls end user web browsing activities.
safesearch for inappropriate content to be appeared in the search.
Youtube is also restricted for potentially unwanted content.
Time quotas also there for limited access to the restricted websites.

- When any web filtering is enabled Sophos Firewall will:
 - Automatically block websites that are identified as containing child sexual abuse content by the Internet Watch Foundation (IWF)
 - Hide the domain name in logs and reports
 - Not support any policy or exclusion to allow the sites



We minimize the availability of online sexual abuse content. Specifically:

- Child sexual abuse content hosted anywhere in the world
- Non-photographic child sexual abuse images hosted in the UK