



GlobalView URL Filtering SDK

Commtouch GlobalView™ URL Filtering leverages a unique Data Cloud infrastructure to overcome the limitations of previous generations' solutions and provide highly relevant Web coverage with uncompromising accuracy and zero-hour security in a straightforward SDK that is easy to integrate.

INNOVATIVE DATA CLOUD TECHNOLOGY

The vast size of the Internet coupled with the unique browsing habits of individual customers created the need to move the traditional URL database "into the cloud," overcoming local storage limitations and providing customers with information tailored to meet their specific needs.

- **Global and diversified data sources** process billions of transactions daily
- **Massive, centralized database** stores all the URL classifications a customer needs
- **Lightweight, economical local clients** receive and store only the data customers need, when they need it, eliminating resource-intensive updates

UNPARALLELED ACCURACY & COVERAGE

GlobalView URL Filtering intelligently determines when and how deeply to scan each site.

- **Customer-oriented classification** triggered by every new site customers browse.
- **Routine analysis** of site dynamics and user behavior determines scan granularity.
- **Continuous tracking** ensures exact classification of each URL at every moment.



ZERO-HOUR SECURITY

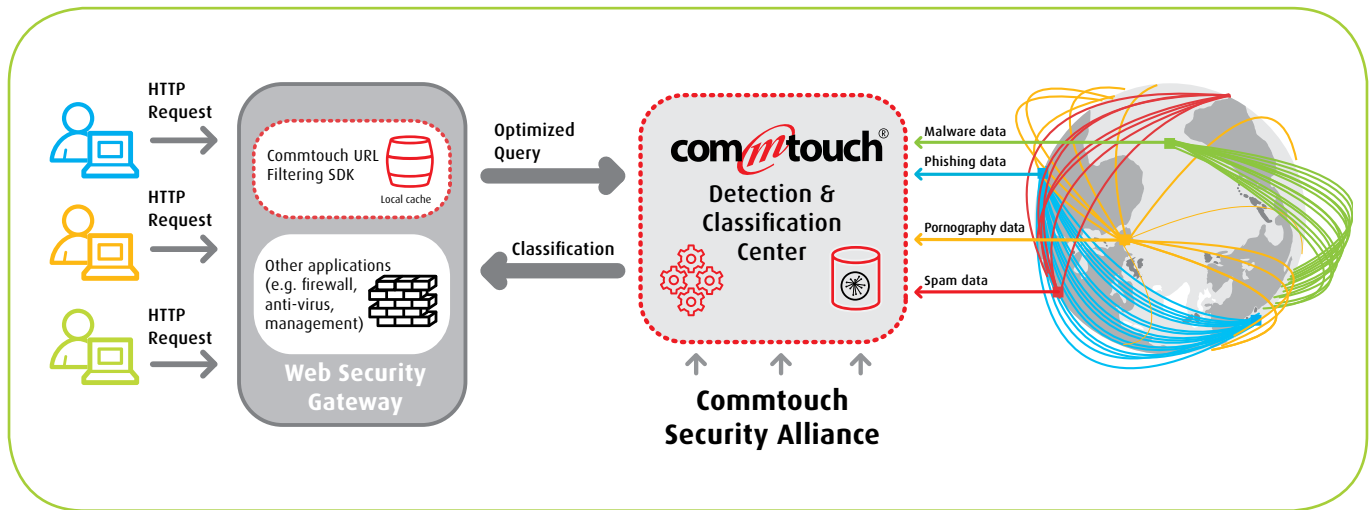
- **Predictive threat detection** recognizes harmful sites before users are exposed.
- **Zero-hour competencies** leveraged from all Commtouch security products across the Detection Center axis.
- **Commtouch Security Alliance** augments security data input for maximum precision.

"In the first quarter of 2008, more than 50 percent of infected sites were in fact legitimate ones that had been silently infected by attackers."

- Gartner

"Why Malware Filtering is Necessary in the Web Gateway,"
Publication G00158459, August 2008

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Benefits of URL Filtering

Commtouch GlobalView URL Filtering allows OEM licensees to provide various applications:

- **Security** – enables real-time protection from emerging Web threats including malware, phishing and Zombies/bots
- **HR compliance/regulation** – prevents browsing to questionable content like pornography and hate sites
- **Productivity** – blocks or monitors sites to maximize employee productivity
- **Bandwidth regulation** – identifies sites that consume an organization's bandwidth (e.g. movies, music)
- **Parental control** – restricts access to inappropriate Web sites

How it Works

Commtouch GlobalView URL Filtering categorizes user URL requests in the following manner:

1. The GlobalView URLF engine is installed on the partner device (e.g. Web Security Gateway).
2. The partner device receives an http request.
3. The device uses the GlobalView SDK to check the URL classification. The GlobalView URLF engine first checks its local cache for URL values; typically more than 99% of queries are locally resolved by the cache.
4. If necessary, the GlobalView URLF engine queries the Commtouch Detection and Classification Center for relevant updates.
5. The partner device blocks, allows or strips content according to the classification it receives from the GlobalView URLF engine.

Specifications

- 64 categories – 8 of which are security related
- Language- and content-agnostic; vast coverage of international sites
- Database contains hundreds of millions of the most relevant URLs
- Auto-adjusting cache
- Handles >50,000 requests per second with low resource utilization
- Returns up to 5 categories per URL
- Configurable cache footprint
- http, https, ftp and other protocols

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