Symantec RuleSpace (tm) Specifications

OEM URL Categorization Database and Real-Time Web Categorization Technology

FAQ: Security Intelligence

RuleSpace Data Feeds

Describe the feeds.	Symantec DeepSight provides malware feeds covering 6 malware categories: Malware Domain (MALDOM), Malware Object (MALOBJ), Adware/Spyware (MALSPY), Potential Malware Victim (MALVIC), Malware Phishing (MPHISH), Malware Attack & Botnet (MATTCK). Phishing feed is taken directly from the Anti-Phishing Working Group (APWG) containing URLs of known phishing attacks. Child Abuse Images and content list (CAIC) is taken from Internet Watch Foundation (IWF): containing URLs of known illegal child pornography and abuse sites.
Do you support Real-Time Raters?	Our real-time feeds are used to give instant rating on web page (not in our WCD) identifying either appropriate or inappropriate content. Real-time engines are primarily used for Unknown or Dynamic sites • Unknown: URLs not known to our WCD • Dynamic: URLs with both appropriate and inappropriate content

Performance and Compatibility

What platforms are supported?	– Categorization server: Linux (32/64Bit), Solaris (32/64Bit) – API: Solaris (32/64Bit), Windows & OSX – Java API: any platform supporting Java
What are the response times?	Symantec virtualized reference architecture benchmark: (Centos 6 x64, 16 GB RAM, dual core Intel Xeon CPU E5-2660 2.20GHz) the Categorization server (configured with 128 threads) supported 88,028 lookups/sec.
How scalable?	Multi-thread for scaling: Supports thousands of simultaneous connections; configurable support for connections and lookup requests; multiple APIs to support single and batch URL lookup.
How are customers identified?	Registration: Single customer identity key controls the visibility to the categories. New categories can be added on request.
What is the URL database size?	3 GB
How many URLs?	63+ million (as of July 2015)
What languages?	> 28 languages: Arabic, Catalan, Chinese, Czech, Danish, Dutch, English, Estonian, Finnish, French, Greek, German, Hebrew, Hindi, Hungarian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, and Vietnamese

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What Categories?	100+ categories: 46 parental control, 40 enterprise, 12 wireless, 6 Malware, 1 Phishing
Code compatibility?	IPs/IPV6/gTLD/puny-code

Category / URL Management

How do categories get added?	Based on customer request, compliance with regulatory bodies, change on the internet or internal requirement
Updated how often?	WCD is updated at a minimum of once a day. The MCD and PCD are updated hourly.
How accurate is the data? (Data curation / validation)	Automatic "unknown feedback" from customers (primary source), manual customer submissions, web crawling, targeted discovery, domain registrar information. We also regularly review and categorize our customers highest frequency unknown URLs to make sure they are categorized correctly.
How is URL churn managed?	• Approximately 30,000 new URLs added per day. • Our database is regularly reviewed and approximately 1-2 milion dead entries per year are purged • URLs receive additional human review if disputed
How are URLs assigned to categories?	Both human analysis and machine algorithms are used for assigning classifications at a domain, host, path or page level as appropriate to the content. • Specialists (graders) categorize URLs received through category dispute requests, unknown URLs showing high frequency numbers in our customers' traffic and during manual category maintenance. • Automated systems use machine learning technology which assigns one or more categories to incoming unknown URLs
Do you support Whitelist / Blacklist?	Sites are categorized based on published categories and associated definitions. Our partners decide whether to allow/deny categories. Partners can also create their own pre-post lists which can be used for their own blacklist/whitelist purposes.
What about URL overrides?	Un-/mis-categorized URLs can be submitted through email or using the CFI Feedback. Requests are manually reviewed and appropriate action is taken within 24 hours during any business day. Partners are provided a personalized email contact to facilitate rapid response.
How can I detect specific terms?	A real-time topic detection engine is available in CFI v3.6 and above and can be used to search for exact match terms found in a managed dictionary. Note: This engine is very sensitive, designed to protect children under 8 years old. This is for parental control purposes and where terms contain "obscene" language. There is also an "obscene" model for Russian.
How can I control access?	A single customer identity key is used to control the visibility to the categories in our database. New categories can be added on any specific date requested by our customers. A single username and password gives access to download all the feeds a customer has access to.

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More Information

Visit our website

go.symantec.com/rulespace

To contact a Product Specialist

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About Symantec

Symantec Corporation (NASDAQ: SYMC) is a security company that helps people, businesses and governments seeking the freedom to safely unlock the opportunities technology brings – anytime, anywhere. Founded in April 1982, Symantec, a Fortune 500 company, operating the world's largest civil global data-intelligence network, has provided leading security solutions for identity, threat protection, information protection and security analytics. The company's more than 19,000 employees reside in more than 50 countries. Ninety-nine percent of Fortune 500 companies are Symantec customers. In fiscal 2015, it recorded revenues of $6.5 billion. To learn more go to www.symantec.com or connect with Symantec at: go.symantec.com/socialmedia

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