

SECURE
COMPUTING

SMARTFILTER™

P R O D U C T O V E R V I E W



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Comments?

If you have comments or suggestions you would like to make regarding this document, please send an email to techpubs@securecomputing.com.

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TABLE OF CONTENTS

Preface: About this Guide	v
Purpose of this guide	v
Who should read this guide	v
How to use this guide	vi
Related information	vi
Chapter 1: SmartFilter Overview	1-1
What is SmartFilter?	1-2
Key benefits	1-2
Key features	1-3
Deploying SmartFilter in your network	1-5
Informing users about your access policy	1-6
ICSA certification	1-6
Inside SmartFilter	1-7
SmartFilter plugin software	1-7
SmartFilter Control List	1-8
Chapter 2: Understanding the SmartFilter Control List ..	2-1
Control List policy background	2-1
A look inside the Control List	2-2
The Control List file	2-3
Category summaries	2-3
Anonymizers/Translators (an)	2-3
Art and Culture (ac)	2-3
Chat (ch)	2-4
Criminal Skills (cs)	2-4
Cults/Occult (oc)	2-4
Dating (mm)	2-5
Drugs (dr)	2-5
Entertainment (et)	2-5
Extreme/Obscene/Violence (ex)	2-6
Gambling (gb)	2-6
Games (gm)	2-6

General News (nw)	2-7
Hate Speech (hs)	2-7
Humor (hm)	2-7
Investing (in)	2-8
Job Search (js)	2-8
Lifestyle (lf)	2-8
Mature (mt)	2-9
MP3 Sites (mp)	2-9
Nudity (nd)	2-9
On-line Sales (os)	2-10
Personal Pages (pp)	2-10
Politics, Opinion, and Religion (po)	2-10
Portal Sites (ps)	2-11
Self-Help/Health (sh)	2-11
Sex (sx)	2-12
Sports (sp)	2-12
Travel (tr)	2-12
Usenet News (na)	2-13
Webmail (wm)	2-13

Chapter 3: What to do Next. 3-1

What you need to use SmartFilter	3-1
Acquiring a SmartFilter FTP site login account	3-2
Obtaining an evaluation login ID and password	3-2
Obtaining a licensed login ID and password	3-3
Downloading SmartFilter software	3-3
Downloading SmartFilter plugin software	3-3
Downloading the SmartFilter Control List	3-4
Installing your SmartFilter software	3-4
Requesting Control List changes	3-5
Contacting Customer Support	3-5

Glossary G-1

Index In-1

P R E F A C E

About this Guide

About this preface

This section addresses the following topics:

- ◆ "Purpose of this guide" on page v
- ◆ "Who should read this guide" on page v
- ◆ "How to use this guide" on page vi
- ◆ "Related information" on page vi

Purpose of this guide

This guide provides an overview of Secure Computing's SmartFilter™ Web filtering software. It describes how the SmartFilter components integrate into your network and summarizes the basic procedures you need to follow to get started downloading and using SmartFilter.

This guide also contains detailed information about the SmartFilter Control List. As the key SmartFilter component, the Control List manages access to millions of Web sites.



TIP: *This guide contains information that is common to all SmartFilter implementations. (1) For details on installing and configuring SmartFilter for a specific operating system or platform, refer to the product documentation included in the SmartFilter download. (2) For details on all platforms and operating systems on which you can install SmartFilter, contact your SmartFilter sales representative or reseller, or refer to our Web site at: www.securecomputing.com.*

Who should read this guide

You should read this guide if you are responsible for evaluating, installing, operating, or managing SmartFilter software. This guide assumes you are familiar with your organization's internal network and the operating system on which SmartFilter software will reside. You should also have some knowledge of the Internet, HTTP (Hypertext Transfer Protocol), and FTP (File Transfer Protocol).

How to use this guide

This guide is organized in the following main sections.

Section	Description
Chapter 1: SmartFilter Overview	Provides a summary of SmartFilter features and benefits, and describes SmartFilter components.
Chapter 2: Understanding the SmartFilter Control List	Provides additional background information regarding the Control List and describes the content on each of the 30 SmartFilter Control List categories.
Chapter 3: What to do Next	Summarizes the primary tasks you need to perform to get started using SmartFilter.
Glossary	Defines SmartFilter-related terms and concepts.
Index	Provides a cross reference to key topics within this guide.

Related information

Refer to the following for related information:

- ◆ **For information on installing and configuring SmartFilter ...**

Review the documentation (PDF document, read me files, etc.) provided for your SmartFilter plugin software. (In most instances, the documentation is compressed along with the operating system-specific code.)

- ◆ **For information on Secure Computing ...**

For up-to-date information on SmartFilter and other Secure Computing products, point your Web browser to the following URL: www.securecomputing.com.

- ◆ **For information on network security ...**

For information on defining a network access or security policy, see *E-Policy: How to Develop Computer, E-Policy, and Internet Guidelines to Protect Your Company and Its Assets* by Michael R. Overly.

A standard reference on computer security is *Firewalls and Internet Security* by Cheswick and Bellovin (Addison-Wesley).

CHAPTER 1

SmartFilter Overview

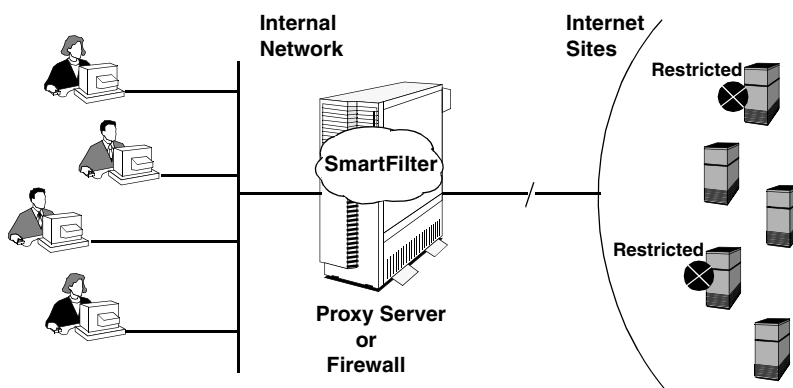
About this chapter

This chapter describes SmartFilter and provides an overview of its components, including the Control List. This chapter addresses the following topics:

- ◆ "What is SmartFilter?" on page 1-2
- ◆ "Deploying SmartFilter in your network" on page 1-5
- ◆ "Inside SmartFilter" on page 1-7

What is SmartFilter?

Figure 1-1. SmartFilter controls access to Internet resources by internal network users



Key benefits

By filtering irrelevant and unwanted Internet content, SmartFilter is an effective tool for implementing Internet security policies and user guidelines. SmartFilter manages employee Web access, reduces the time and expertise required of vital support resources, preserves network bandwidth otherwise consumed by employees surfing the Internet, and reduces the exposure of potential legal liability to the overall organization.

SmartFilter can manage Internet access at several levels ranging from simple access restrictions to thorough blocking of all sites deemed unproductive or non-business related.

Key features

SmartFilter supports a variety of monitoring and control features designed to ensure employee Internet use is productive and appropriate.

You can enable or disable the individual SmartFilter configuration options to tailor Internet use to your organization's unique access policies and network environment. This allows you to modify your SmartFilter configuration as your Internet use evolves. Table 1-1 highlights the key SmartFilter features.

Table 1-1. SmartFilter key features

Feature	Summary
Filtering/Blocking	Allows administrators to define the specific types of URLs they want to filter from a list of 30 pre-defined categories plus 10 user-defined categories in the SmartFilter Control List. SmartFilter's standard blocking feature allows you to create customized messages that will be displayed to users who attempt access to blocked sites. For added flexibility, SmartFilter also affords the ability to "redirect" a user to a separate Web page containing the blocking message. This feature is useful for customers having more advanced messaging requirements.
Coaching	Allows administrators to specify a predefined message or warning that will be displayed to users informing them that the site has been filtered, but gives them the option to proceed at their own risk.
Delay	Unique to SmartFilter, this feature allows administrators to slow down the download process of filtered sites. By deliberately slowing down the download process, SmartFilter discourages users from browsing non-business or objectionable Web sites at the office and preserves network bandwidth for business-related applications.
Individual user or user group profiles	Allows administrators to define access restrictions based on the user or the group to which a user belongs (for example, you can group users by their function within the organization, such as engineering, accounting, students, etc.)

More...

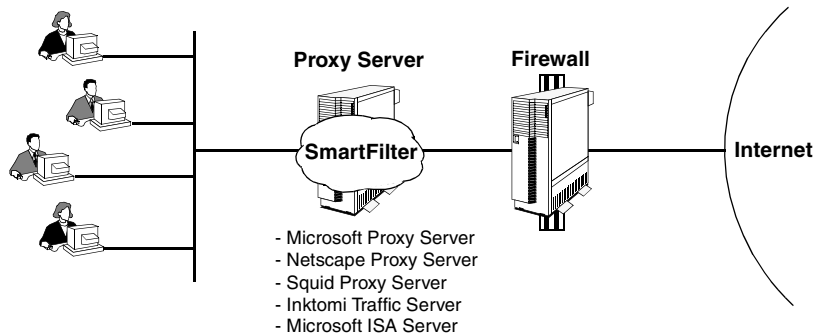
Feature	Summary
Custom restrictions on identified workstations	You can place restrictions on certain internal client workstations without the entire organization being affected.
Automated FTP download	You can configure SmartFilter to download the SmartFilter Control List automatically twice a week, every other week, or once a month. Or, you can choose to update the file manually with the click of a button.
Custom error display messages	Administrators can define the error message Internet users see when they attempt to access sites or pages that have been specified for filtering by SmartFilter.
Site-specified business hours	Administrators can define what access is allowed and the specific time of day during which it is allowed. For instance, an organization might deny access only during work hours or during high traffic times.
Customizable Categories	This feature allows organizations to deny access to sites not listed or denied by the Secure Computing Control List -- giving you the freedom to deny or allow specific URLs as well as entire categories.
Reporting and logging	<p>Secure Computing provides Cyfin[®] Reporter for SmartFilter, which can create a variety of HTML-based reports showing detailed, outbound Web usage activities. When Cyfin[®] Reporter is integrated with Secure Computing's SmartFilter, it delivers a complete Web management solution. Cyfin[®] Reporter for SmartFilter works seamlessly in many different environments to deliver ease of use, power, and scalability to organizations of all sizes.</p> <p>To learn more about Cyfin[®] Reporter for SmartFilter, visit the SmartFilter product page at the Secure Computing Web site www.securecomputing.com.</p>

Deploying SmartFilter in your network

Secure Computing supports SmartFilter software for a variety of operating systems and platforms. SmartFilter integrates with popular proxy servers from Microsoft, Netscape, Inktomi, and Squid and is also supported directly on Secure Computing's Sidewinder Firewall.

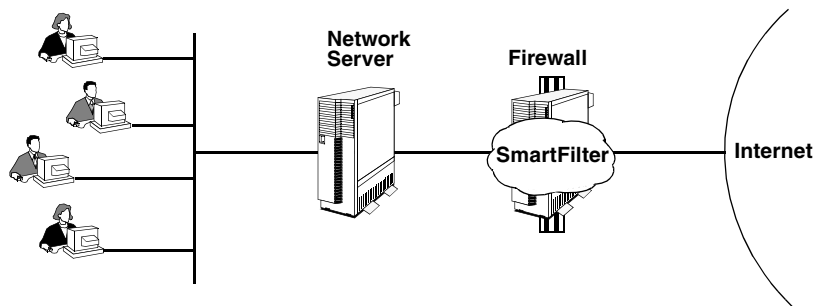
As shown in Figure 1-2, SmartFilter integrates seamlessly with a proxy server behind the firewall.

Figure 1-2. SmartFilter installed on a proxy server running behind the firewall



As shown in Figure 1-3, SmartFilter can also be implemented directly on the firewall.

Figure 1-3. SmartFilter installed on a firewall protecting the internal network



In all SmartFilter implementations, your user's Web browsers must be configured to pass all Web and FTP requests from the user to the SmartFilter proxy. The SmartFilter proxy analyzes requests and determines, based on content category rules and corporate guidelines, whether or not URLs are business-related and allows or denies requests as appropriate.

SmartFilter software leverages the inherent capabilities of each proxy server, firewall, or cache appliance to deliver robust options for tailoring Internet access across an organization. Secure Computing continues to define and lead this area of Web technology with the expanded and continuously updated SmartFilter Control List and new firewall and proxy server integrations.



TIP: For details about all supported platforms and operating systems where you can install SmartFilter and up-to-date product information about all Secure Computing products, see the Secure Computing product Web page at: www.securecomputing.com.

Informing users about your access policy

Secure Computing strongly recommends that your organization disclose to network users the nature of your site's Web access policy (for example, that Internet activity is being monitored, and that management has access to a log of visited sites). It is also recommended that you create a "Corporate Acceptable Use Statement" in hypertext markup language (HTML) and link it to the user-definable SmartFilter error message. To do this for the individual SmartFilter products, refer to the instructions in your SmartFilter Installation and Configuration Guide.

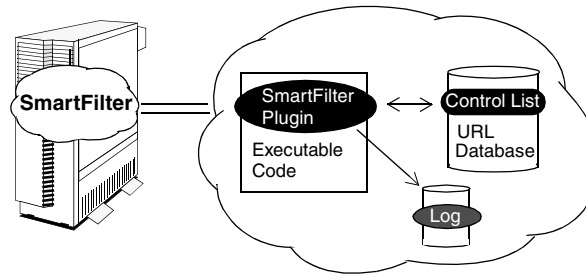
ICSA certification

SmartFilter has been certified by the ICSA. ICSA has formed a consortium called SIFT (Secure Internet Filtering Technology) to certify Internet monitoring and filtering products. Secure Computing is a founding member of the SIFT consortium.

Inside SmartFilter

As shown in Figure 1-4, SmartFilter consists of an operating system-specific SmartFilter program (or plugin) and a SmartFilter Control List installed on a system in your internal network.

Figure 1-4. A closer look at SmartFilter



SmartFilter plugin software

Depending on where in your network you install SmartFilter, you must download the plugin software appropriate for your implementation. As addressed earlier in this chapter, you can install SmartFilter on a server behind a firewall or directly on a firewall. SmartFilter plugin software is available at no charge.

SmartFilter Control List

The SmartFilter *Control List* is the key component in the SmartFilter product. The continuously updated Control List is a database containing tens of millions of URLs deemed non-business related or non-productive. Secure Computing has organized the Control List database into 30 pre-defined categories plus 10 customizable categories.

Smartfilter uses a comprehensive and up-to-date access Control List available today. It is transparent to the end user and has minimal system requirements.

30 pre-defined Control List categories

For ease of administration, the Control List is organized into 30 pre-defined content categories:

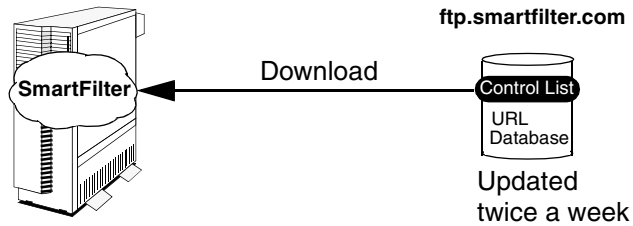
- ◆ Anonymizers/Translators
- ◆ Games
- ◆ On-line Sales
- ◆ Art and Culture
- ◆ General News
- ◆ Personal Pages
- ◆ Chat
- ◆ Hate Speech
- ◆ Politics, Opinion & Religion
- ◆ Criminal Skills
- ◆ Humor
- ◆ Portal Sites
- ◆ Cults/Occult
- ◆ Investing
- ◆ Self Help/Health
- ◆ Dating
- ◆ Job Search
- ◆ Sex
- ◆ Drugs
- ◆ Lifestyle
- ◆ Sports
- ◆ Entertainment
- ◆ Mature
- ◆ Travel
- ◆ Extreme/Obscene/Violence
- ◆ MP3 Sites
- ◆ Usenet News
- ◆ Gambling
- ◆ Nudity
- ◆ Webmail

Note: Refer to Chapter 2, "Understanding the SmartFilter Control List" for detailed information on the individual Control List categories.

Control List subscription

Purchasing a SmartFilter Control List subscription is critical to a successful SmartFilter implementation. Twice a week, Secure Computing posts an updated Control List to the SmartFilter FTP server. You can keep your company's Control List up-to-date by downloading from this site.

Figure 1-5. Subscription to the Control List allows access to the latest URL database



IMPORTANT: The Internet is dynamic and ever-changing, and you are encouraged to update the Control List twice a week from Secure Computing's FTP server. See Chapter 3, "What to do Next" for more information.

CHAPTER 2

Understanding the SmartFilter Control List

About this chapter

This chapter provides additional background information regarding the Control List and provides examples of the sites that comprise each of the 30 pre-defined SmartFilter Control List categories. It contains the following topics:

- ◆ "Control List policy background" on page 2-1
- ◆ "Category summaries" on page 2-3

Control List policy background

Secure Computing uses automated tools to continuously search the Internet for new sites and pages that meet the content criteria for the 30 pre-defined different Control List categories. Candidate sites are presented to our Control List technicians for personal review. As a rule, sites are not added to the Control List without first being viewed and approved by our Control List technicians.



IMPORTANT: *Secure Computing places an updated Control List twice a week on our SmartFilter FTP server. You must have either a trial ID/password or permanent ID/password to access the latest Control List. See Chapter 3, "What to do Next" for more information.*

The 30 pre-defined SmartFilter Control List categories represent general content types encompassing a wide variety of material. All sites defined within each category are deemed potentially inappropriate for today's typical workplace or educational environment.

In the broad context of cultural norms and individual taste, what is considered inappropriate may be debatable. However, in a standard business or educational environment, Secure Computing considers the sites in the 30 Control List categories to be unproductive for most employees or students to view during working or learning hours.

Identifying sites for inclusion in one of the SmartFilter categories is an ongoing and continuous effort. Secure Computing Corporation cannot guarantee to have identified all potential sites in a given category. In addition, whether to identify a particular site as belonging to a category involves issues of judgment and opinion; therefore, the supplied control list may not include sites that a particular user may wish to control.



TIP: Use the *SmartFilterWhere* tool from our page (www.smartfilterwhere.com) to check whether a specific site is contained in the current SmartFilter Control List.



TIP: You can restrict access to sites that are not in the Control List, at your discretion, using a site-specific control file. Refer to the *Installation and Configuration Guide* (included in the SmartFilter download) for details.



TIP: You can exempt a URL that exists in a Secure Computing defined category from being treated with the same policy as the category. Refer to the *Installation and Configuration Guide* for details.

A look inside the Control List

The Control List contains various types of URL entries, allowing you the ability to block at different levels. The following describes the types of specifications that exist in the Control List

Entry type	Example	Description
Site	www.xxx.yyy.com	An entire web page and all it's content.
URL	www.eeffgg.com/pics/	A specific directory on the Web page.
Path	www.aabbcc.com/pics/001.jpg	A specific object (that is, a picture or document) in a directory on the web page.

Note that in an entry such as "www.abcinc.com/jobs/," the entire site "www.abcinc.com" is not blocked, only the specific directory named.



IMPORTANT: The SmartFilter Control List content cannot be viewed. The list is provided in an encrypted format that only the SmartFilter plugin software can access.

Category summaries

The Control List file

The *sfcontrol* file contains all the categorized URLs. The file lists URLs by domain name.

The following section contains a brief description of all 30 SmartFilter Control List categories. The site file category code appears in parenthesis () next to the category's title.

Anonymizers/Translators (an)

Anonymizers enable anonymous Web browsing through an intermediary to prevent unauthorized parties from gathering personal information. However, anonymizers also allow users access to ANY Web page and bypass blocking software. Language translators that provide input of whole URLs for translation also act like anonymizers. Language translators that translate only TEXT are not blocked. Some examples include:

- ◆ anonymizer – Type Transaction
- ◆ anonymizer based translation sites

Art and Culture (ac)

This category contains virtual art galleries and other cultural topics, such as museums and country customs, including:

- ◆ Visual Jazz Art Gallery – Contemporary art
- ◆ Cartoon Factory Animation
- ◆ A lesson in Native American Funeral Rituals

Art Exhibits
Artists
Art History

**Chat Rooms
Topics
Message Boards**

Chat (ch)

This category contains Web-based chat groups. Chat rooms allow people to come together online about current events, hot topics, and common interests. This category also includes forums, message boards, discussion groups, guest books that allow threads, and sites for CHAT software downloads. This category includes:

- ◆ Talk City
- ◆ The Chat Room Directory

**Bomb Making
Burglary
Murder**

Criminal Skills (cs)

This category contains sites that either provide instructions for or identify methods to promote, encourage, or provide the skills to commit illegal, criminal activities. These include bomb-making, lock picking, computer hacking, burglary, murders, rapes, and so on. This category includes:

- ◆ The Stalking Page
- ◆ Lock Picking for Beginners
- ◆ Hacking groups

**All Cults
The Occult
Satanism**

Cults/Occult (oc)

This category contains URLs with topics about the occult, cults, and other extremist views, including:

- ◆ Occult supplies
- ◆ Satanic Publications – Guide to satanism
- ◆ The First Church of Commonsense

Personal Ads
 Dating Services
 Dating Discussions

Dating (mm)

This category covers dating and relationship topics, such as a listings of personal advertisements, tips for attracting a companion, introductions to potential foreign spouses, and online dating services, including:

- ◆ About.com's People/Relationships section – Dating
- ◆ Callgirlscorts -- Escorts/Call Girls
- ◆ Together Dating – One of the original online dating services
- ◆ Shy Man's Guide to Success with Women

Marijuana
 Cocaine
 LSD

Drugs (dr)

Sites in this category provide information on the purchase, manufacturing, and use of illegal or recreational drugs, including:

- ◆ Freespeech.org – Drug/Marijuana archive
- ◆ FYI - recreational Drugs -- The Cocaine Tester's Handbook

Note: *The drugs category does not include sites that relate to prescription drugs.*

Movies
 TV
 Hobbies

Entertainment (et)

The entertainment category includes URLs devoted to movies, television, music, hobbies, clubs, and amusement parks. These sites can either be fan-club style (for example, the Brad Pitt fan club) or sponsored by a company (for example, Warner Bros.). This category also includes personal pages of movies and TV shows. Examples include:

- ◆ Internet Movie Database
- ◆ Hollywood On-line – Information, photos, and movie reviews
- ◆ Aunt Annie's Craft Page

**Bondage
Excessive Violence
Mutilation**

Extreme/Obscene/Violence (ex)

The extreme category includes URLs that may fall into other categories, but push the limits of acceptability. These URLs are typically extremely violent, gory, or horrific in nature and may be related to sex, bodily functions, obscenity, or perverse activities. Examples include:

- ◆ The Butt Page – Rectal foreign body page
- ◆ Bondage
- ◆ Pornographic rape, violence, bestiality

**Bingo
Bookmaker
Lottery Pages**

Gambling (gb)

The gambling category contains URLs that encourage betting money or items on the outcome of games and contests. It includes sites offering gaming, bookmaker odds, lottery pages, and bingo, such as:

- ◆ On-line Betting
- ◆ The New York Lottery Page

**Backgammon
Dungeons & Dragons
Chess**

Games (gm)

This category consists of URLs whose focus is traditional board games, and role-playing games such as Battleship and Dungeons and Dragons. The category also includes video and online games, game reviews, and any URLs that promote game makers such as Mattel. Some examples include:

- ◆ Hasbro Toys
- ◆ Battleship
- ◆ Interactive WWW Games

Newspapers
Journals
Magazines

General News (nw)

The general news category applies to most online news and mainstream trade publications, such as business, trade, and medical journals, as well as high school and university newspapers, including:

- ◆ Wall Street Journal
- ◆ JAMA
- ◆ USA Today
- ◆ CNN

Racism
Anti-Semitism
Sexism

Hate Speech (hs)

This category is dedicated to any sort of propaganda that would encourage the oppression of a specific group of individuals. This includes such things as derogatory speech against women, minorities, and the disabled. Some examples include:

- ◆ Aryan Nations
- ◆ National Socialist Movement
- ◆ Did Six Million Really Die?

Jokes
Comic Pages
Comedy Clubs

Humor (hm)

The humor category includes sites that intend to be comical or funny. These sites include general jokes, comic pages, and comedy clubs. An example is the Dilbert site at www.unitedmedia.com/comics/dilbert. Some other examples include:

- ◆ ComedyNet
- ◆ College Humor Page

Stocks
Discount Brokers
Money Forums

Investing (in)

The investing category includes sites that deal with personal investments and investment options. URLs in this category may contain stock quotes, money management forums, online publications, discount brokerage services, trading stock/mutual funds, portfolio set up, and more. Some examples include:

- ◆ Prudential Securities
- ◆ National Discount Brokers On-line

Classified Ads
Resume Guides
Job Databases

Job Search (js)

This rapidly growing category includes anything related to a job search. It encompasses sites concerned with resume writing, interviewing, changing careers, classified advertising, and large job databases. It also includes career development, and individual URLs within otherwise uncategorized sites listing opportunities. For example, many corporate Web pages also list the company's job openings. Some examples include:

- ◆ HeadHunter – Employers, networking, resume writing, job fairs, and more
- ◆ Rensselaer Career Development Center – Career resource, resume book, job database, and more
- ◆ CareerResume – Online resume writing service

Vegetarianism
Gay & Lesbian
Naturism

Lifestyle (lf)

URLs in this category may contain discussions or material relevant to an individual's personal life, whether it be unique characteristics or orientation. The sites may include such things as straight men's groups, gay and lesbian discussions, senior citizen clubs, transgender issues, vegetarianism, naturism, and more. Some examples include:

- ◆ World Guide to Vegetarianism
- ◆ The Naturist Society – Promotion of clothes-free lifestyle
- ◆ Gay Universe – Guide to alternative lifestyles

Adult Humor
Tobacco
Some Profanity

Mature (mt)

This category contains URLs that sell/advertise products you must be over 18 to buy, such as tobacco, alcohol, and firearms. Items also to be rated as mature are adult humor; provocative but not transparent lingerie photos; detailed text and images explaining sexual problems/products; some adult topics in non-fiction, fiction, poetry and entertainment; and some usage of profanity. Specific examples are:

- ◆ Choice Tobacco
- ◆ 800 Microbrew
- ◆ Sex Jokes
- ◆ Anatomy of the Penis/Mechanics of Intercourse

Note: This category also includes URLs showing women or men dressed in seductive or sexually suggestive clothing (partially nude or bikini-clad women and men).

Music files
Music players

MP3 Sites (mp)

This category contains URLs that are for downloading, uploading, or trading of MP3 files. Some examples are:

- ◆ MP3 player downloads and resources
- ◆ Ugo
- ◆ Napster

Non-pornographic images
Classic sculptures
Detailed medical illustrations

Nudity (nd)

This category contains URLs that include non-pornographic images of the bare human body. Classic sculpture and paintings, artistic nude photographs, some naturism pictures, and detailed medical illustrations are included in the Nudity category. Some examples are:

- ◆ Jaedas Fine Art – Commercial photography of artistic nudes
- ◆ Museum paintings
- ◆ Ceramic Arts/Classical Nudes – Classical nude sculpture

Non-Business Sales
Catalogue Sales
Market Promotions

On-line Sales (os)

This category includes any form of merchandise sales or service that benefits the individual only, such as the sale of clothing, accessories, appliances, pets, and more. This may also overlap into other categories such as the sale of sex merchandise, sports memorabilia, and hate speech paraphernalia. It includes market promotions and catalog selling (for instance, LL Bean). This category does not include merchandise or services that may benefit a normal business, such as business and computer supplies and business-to-business selling. Some examples include:

- ◆ Mall of the Internet
- ◆ NetBuys On-line Shopping Network

Individual Opinion
Student's Discussions

Personal Pages (pp)

Personal pages generally are created by two main groups: students; and subscribers to dial-up Internet service providers. Typically, the content in this category relates to the personal or recreational activities, hobbies, and interests of the page's author. Some examples include:

- ◆ Zig's Stray Thoughts Page
- ◆ Bink's Home Page

Elections
Abortion Discussions
Religion

Politics, Opinion, and Religion (po)

These sites include discussions covering politics, religion, social values, and other non-work-related topics, including:

- ◆ Spiritual Spectrum – Discussions of spiritual issues
- ◆ CARAL – California Abortion and Reproductive Action League

Yahoo
AOL
Search Engines

Portal Sites (ps)

This category includes Web pages that serve as a major starting point for users when they get connected to the Web. Examples are Yahoo, Excite, Lycos, CNET, Microsoft Network, AOL.com, and many large Internet Service providers (ISPs). Some services that may be offered by portal sites include a directory of Web sites, a search engine, news, weather information, email, stock quotes, phone and map information, and sometimes Chat rooms, message boards and forums. Some examples include:

- ◆ Alfy – Portal for kids
- ◆ Altavista – Search Engine/Portal
- ◆ Freeserve – ISP Portal

Diet
Nutrition
Herbal Remedies

Self-Help/Health (sh)

This category includes anything that will improve an individual's well-being. Sites may provide information on new medications, medically related sex or drug therapies, or support groups. Some examples include:

- ◆ Ask the Dietitian™ – Advice on health and diet questions
- ◆ DivorceCare – Support for divorcees
- ◆ TeenHelp – Provides information to help your teen on drugs

**Pornography
Sex Discussions**

Sex (sx)

This category contains URLs that reference, discuss, or show pornography, including pictures, videos, or text of sex acts, or sexually oriented material. This includes soft- and hard-core pornography, sado-masochism, bestiality, and so on. Some examples are:

- ◆ PORN USA
- ◆ Hustler

Note: *In the broader context of cultural norms and individual taste, it may be debatable what is considered sex or pornography or simply a form of entertainment, but in a standard business setting, URLs of this nature are non-business related and are considered unproductive for most employees to view during working hours.*

**Sports Scores
Sports Debates
Sports Merchandise**

Sports (sp)

This category includes any topics related to sports, such as: sports teams, sport discussions, sports scores, and sports merchandise. Some examples include:

- ◆ ESPN Sportzone
- ◆ SportsLine USA – Sports news, merchandise, contests
- ◆ AllSports – Features current news, odds, scores, and real-time chat with current players and coaches

**Reservations
City Events
Sight-Seeing Guides**

Travel (tr)

This category includes travel and travel-related activities. Some of the URLs discuss popular travel destinations, travel reservation services, discount travel listings, special events in various cities, and sight-seeing guides. Examples include:

- ◆ Internet Travel Network – Reservations, and flight options
- ◆ 1800FlyCheap – Discount travel
- ◆ Interactive Travel Guide
- ◆ Alaska One – Travel guides, parks and recreation

**News Groups
Web Access**

Usenet News (na)

The Usenet News category contains sites that provide Web access to Usenet news groups and archives of files uploaded to newsgroups. It does not include any of the alt.sex or alt.binaries sections, since they could contain more than just newsgroup talk. Some examples include:

- ◆ DejaNews
- ◆ Real News – Provides Usenet News to individuals, ISPs, corporations, and educational institutions

**Email
Topics**

Webmail (wm)

This category contains Web-based e-mail (via HTTP, not IRC). This category includes:

- ◆ Netscape Webmail
- ◆ HotMail – Free e-mail
- ◆ Cool Jargon of the Day

About this chapter

This chapter summarizes the primary tasks you need to perform to get started using SmartFilter. This chapter contains the following topics:

- ◆ "What you need to use SmartFilter" on page 3-1
- ◆ "Acquiring a SmartFilter FTP site login account" on page 3-2
- ◆ "Downloading SmartFilter software" on page 3-3
- ◆ "Installing your SmartFilter software" on page 3-4
- ◆ "Requesting Control List changes" on page 3-5
- ◆ "Contacting Customer Support" on page 3-5

What you need to use SmartFilter

The following lists the requirements for installing and using the SmartFilter Web filtering software:

- ◆ **A platform and operating system supported by SmartFilter**

As mentioned in Chapter 1, you can install SmartFilter plugin and Control List software on a variety of operating systems and platforms. The selected system must be capable of establishing FTP connections to external sites.

Note: For the current list of supported platforms and operating systems, refer to our Web site (www.securecomputing.com) or consult with a Secure Computing Sales Representative.

- ◆ **A login account (valid login ID and password) to the SmartFilter FTP site**

- You can obtain an evaluation account that allows you to download the Control List file for 30 days.
- You can obtain a licensed account by purchasing a SmartFilter subscription. This allows you to download the Control List file at any time during the length of your subscription.

Note: For details on obtaining a login ID and password, refer to "Acquiring a SmartFilter FTP site login account" on page 3-2.

◆ **The SmartFilter program (plugin)**

To install SmartFilter software, you must download the appropriate product file (in compressed tar or zip file format) from Secure Computing's SmartFilter FTP site.

Note: See "Downloading SmartFilter plugin software" on page 3-3.

◆ **The latest SmartFilter Control List**

To use the SmartFilter software, you need to download the current Control List from Secure Computing's SmartFilter FTP site.

Note 1: Some SmartFilter plugin versions automatically download the latest Control List. Refer to the plugin Installation and Configuration document for details.

Note 2: See "Downloading the SmartFilter Control List" on page 3-4.

Acquiring a SmartFilter FTP site login account

To download the latest SmartFilter software, you must have either an evaluation (trial) login ID and password, or a licensed user ID and password that you receive after purchasing a Control List subscription.

Obtaining an evaluation login ID and password

To obtain an evaluation login ID and password for SmartFilter software that is valid for 30 days, follow these steps:

1. Go to <http://www.securecomputing.com>.
2. Select the Products: **SmartFilter** link.
3. Select the **Free Evaluation** link.
4. Select the version from the drop-down list.
5. Complete (and submit) the registration form.

One business day after you complete and submit the registration form, you will be emailed information that includes an evaluation user name and password.

Obtaining a licensed login ID and password

To purchase a subscription to the SmartFilter Control List and obtain a licensed login ID and password that is valid for the length of your subscription, follow these steps:

1. Contact your Sales Representative or authorized reseller.
2. After submitting your order, you will be mailed an activation certificate and additional SmartFilter documentation that includes information for obtaining a licensed user name and password.



IMPORTANT: *By purchasing a subscription to the SmartFilter Control List you gain access to regular Control List updates (via Secure Computing's SmartFilter FTP server).*

Downloading SmartFilter software

Once you have obtained a login ID and password to our SmartFilter FTP site, you are ready to download SmartFilter software.

Note: *SmartFilter software is available only via FTP download.*

Downloading SmartFilter plugin software

To download platform-dependent plugin software from the SmartFilter FTP site, do the following:

Note: *To connect to our SmartFilter FTP server, you must have either your licensed user ID and password or an evaluation trial ID/password.*

1. Start an FTP session and connect to **ftp.smartfilter.com**.
2. Enter your SmartFilter login ID and password.
3. Change to the appropriate directory (under **/pub/.....**) that contains the SmartFilter plugin product file for your operating system.

4. Switch to Binary transfer mode.

Note: *You must download files in binary format.*

5. Download the distribution zip or tar file (**xxxxx.exe** or **xxxxx.tar.gz**).

Downloading the SmartFilter Control List

To download the SmartFilter Control List from the SmartFilter FTP site, do the following:

Note: To connect to our SmartFilter FTP server, you must have either your licensed user ID and password or an evaluation trial ID/password.

1. Start an FTP session and connect to **ftp.smartfilter.com**.
2. Enter your SmartFilter login ID and password.
3. Change to the appropriate directory (under **/pub/.....**) that contains the SmartFilter Control List files for your operating system.
4. Switch to Binary transfer mode.

Note: You must download files in binary format.

5. Download the Control List file.

Installing your SmartFilter software

After you've downloaded the SmartFilter file for your operating system, uncompress any zipped or tarred files. A compressed file typically includes documentation files that describes what to do next.

Requesting Control List changes

If you have a question or suggestion about a site or URL, you can email the entire site or URL to sites@smartfilter.com. Mail sent to this address will not generally receive a response. If you would like to receive an acknowledgment or discuss your concerns, please email support@securecomputing.com.



TIP: Use the SmartFilterWhere tool from Secure Computing's Web page (www.securecomputing.com) to check whether a specific site is contained in the current SmartFilter Control List.

Each site that we receive an inquiry about, is reviewed according to our SmartFilter Control List category standards, and one of the following actions will be taken:

- ◆ The site will be added to our Control List
- ◆ The site will be re-categorized
- ◆ The site will be deleted from our control list
- ◆ The site will be left as is

Contacting Customer Support

Secure Computing works closely with our Channel Partners to offer worldwide Technical Support services. If you purchased this product through a Secure Computing Channel Partner, please contact your reseller directly for support needs.

To contact Secure Computing directly or inquire about obtaining a support contract, refer to our "Contact Secure" Web page for the latest contact information at www.securecomputing.com. Or if you prefer, send us an email at support@securecomputing.com.

REFERENCE

Glossary

activation	The process by which a customer's licensed software becomes active.
API (Application Program Interface)	A stable, published software interface to an operating system or specific software program by which a programmer writing a custom application can make requests of the operating system or specific software program. (An API provides an easy and standardized connection to a particular software component.)
authentication	A process that verifies the authenticity of an entity. Especially important as related to network security for the purpose of a person's claimed identity before allowing access to a network system or service.
caching proxy server	A computer that maintains local copies of documents requested by users. The proxy server acts as a stand-in, or proxy, for the remote server. When a local user requests a document, the proxy server is first consulted to see if a copy is held there. If the document is located on the local proxy server, the user receives the document more quickly than if it were remotely retrieved.
categories	Thirty potential problem areas found at Web sites that the SmartFilter Control List identifies and can block.
coaching/blocking	A feature that displays a "warning page" to a user before allowing access to a restricted site.
compress	A process that creates a file of smaller size than the original, but from which the original can be reconstructed.
control list	The hundreds of thousands of Internet sites placed by SmartFilter into 30 categories.
database	A collection of information organized so that a computer program can quickly select desired pieces of data.
decompress	Restoring compressed data files to their original size and format.

delay	A feature that configures the system to slow down access to a restricted site instead of blocking access to a restricted site. The feature also slows down access to certain file types.
download	Copying data (usually a file) from a main source to a peripheral device. The term is often used to describe the process of copying a file from a server to one's own computer. Downloading can also refer to copying a file from a network file server to a computer on the network.
firewall	A system designed to prevent unauthorized access to or from a private network. Firewalls can be implemented in both hardware and software, or a combination of both.
forbidden file type	A feature that allows you to restrict specific file types based on their file extensions (such as .jpg).
FTP (File Transfer Protocol)	The format used on the Internet for sending files.
FTP site	Universities, government agencies, and companies around the world have Internet sites offering files that you can browse through and copy to your computer using the file transfer protocol (FTP).
HTML (HyperText Markup Language)	A simple programming language used to create Web documents. Hypertext uses special links that you can click to jump from one related topic to another.
HTTP (Hypertext Transfer Protocol)	An agreed-upon format (protocol) that requests and transfers HTML documents on the World Wide Web.
ICSA.net	ICSA, whether in the context of ICSA.net or ICSA Labs is not an acronym. ICSA.net is the worldwide leader in security assurance services for Internet-connected companies. ICSA.net supports both corporate-user and the vendor/supplier communities with critical industry data and analysis from ICSA Labs, the industry's leading product research and certification facility. ICSA Labs sets standards, performs research, tracks and measures risks, and certifies 98 percent of the market's anti-virus software, network firewalls, intrusion detection, cryptography, and IPsec products.
IIS (Internet Information Server)	An internet file and application server that is included with the Microsoft Windows NT Server operating system.

ISP (Internet Service Provider)	A company that provides individuals and other companies access to the Internet and other related services such as Web site building and virtual hosting. An ISP has the equipment and the telecommunication line access required to have POP on the Internet for the geographic area served. The larger ISPs have their own high-speed leased lines so that they are less dependent on other telecommunication providers and can provide better service to their customers. Among the largest national and regional ISPs are AT&T WorldNet, IBM Global Network, MCI, Netcom, UUNet, and PSINet.
Linux	A free UNIX clone aimed toward POSIX compliance. Some of the features included are true multitasking, virtual memory, the world's fastest TCP/IP drivers, shared libraries, and of course, multi-user capabilities. Linux runs fully in protected mode (unlike Windows) and supports fully fledged 32-bit and 64-bit multitasking.
login ID	When used in conjunction with a password, it is a means of authentication to start a session with a computer system.
NCSA (National Computer Security Association)	See ICSA.net.
NES (Netscape Enterprise Server)	A proxy server from Netscape Communications that enables organizations to share their information resources inside and outside the company, and deploy applications that can enhance communication, streamline processes, and reduce costs. By supporting multiple platforms, databases, and document types, NES leverages existing investments in hardware, applications, and information. It goes beyond existing Web servers by providing both advanced information services for content management and network-centric applications that can dramatically improve a company's ability to communicate and share information.
newsgroup	A discussion group on the Internet dedicated to one topic. Newsgroup members can post messages, have virtual conversations, and send E-mail messages to one another, or to the group.
non-anonymous FTP	Many FTP sites are protected. Unlike anonymous FTP sites, these restricted FTP sites can only be accessed by individuals who enter a valid user name and password. For example, ftp.smartfilter.com.
NT (Windows NT)	The most advanced version of the Windows operating system. Windows NT is a 32-bit operating system that supports pre-emptive multitasking.

ODBC (Open Database Connectivity)	A widely accepted application programming interface (API) for database access. It is based on the Call-Level Interface (CLI) from X/Open and ISO/IEC for database APIs and uses Structured Query Language (SQL) as its database access language.
object	Generally an item that you can individually select and manipulate, including shapes and pictures that appear on a display screen, as well as less tangible software entities.
off-line	State of a computer when it is not connected to another device.
on-line	State of a computer when it is connected to another device.
OS (Operating System)	The master control program that works like a traffic cop to keep everything flowing smoothly inside your computer.
plug-in	A hardware or software module that adds a specific feature or service to a larger system. Plug-ins can also display or interpret a particular file format or protocol, such as Shockwave or RealAudio.
proxy server	<p>A proxy server receives a request for an Internet service (such as a Web page request) from a user. If the Web page request is not blocked by SmartFilter, the proxy server, assuming it is also a cache server, looks in its local cache of previously downloaded Web pages. If it finds the page, it returns it to the user without needing to forward the request to the Internet. If the page is not in the cache, the proxy server, acting as a client on behalf of the user, uses one of its own IP addresses to request the page from the server out on the Internet. When the page is returned, the proxy server relates it to the original request and forwards it on to the user.</p> <p>To the user, the proxy server is invisible; all Internet requests and returned responses appear to be directly with the addressed Internet server. (The proxy is not quite invisible; its IP address has to be specified as a configuration option to the browser or other protocol program.)</p> <p>An advantage of a proxy server is that its cache can serve all users. If one or more Internet sites are frequently requested, these are likely to be in the proxy's cache, which will improve user response time. In fact, there are special servers called cache server. A proxy can also do logging.</p>
restricted search sites	Web sites with search engines SmartFilter has been configured to recognize. This "recognition" comes in the form of the Search Engine URL and the search delimiter used.

restricted search word/ phrase	A word or phrase specified by the SmartFilter Administrator to be blocked. URLs entered by end users are evaluated to determine whether they correspond to a restricted search word or phrase at a restricted search site.
Secure Computing Corporation	A leading provider of complete network security solutions.
SmartFilter	Plugin and Control List software that tracks and controls access to external Internet resources, such as the Wide World Web, Newsgroups, and FTP sites. SmartFilter was the first server-based, Web-filtering tool. It was originally marketed under the name "WebTrack."
SmartFilterWhere	An innovative tool that enables Web site owners and end users to verify if a site is included in the most current version of the SmartFilter Control List.
Squid	Squid is high-performance, full-featured software -- designed to run on UNIX systems -- that caches Internet data. It does this by accepting requests for objects that people want to download and handling their requests in their place. In other words, if a person wants to download a Web page, they ask Squid to get the page for them. Squid then connects to the remote server and requests the page. It then transparently streams the data through itself to the client machine, but at the same time keeps a copy. The next time someone wants that page, Squid simply reads it off disk, transferring the data to the client machine almost immediately. Squid currently processes the HTTP, FTP, GOPHER, SSL and WAIS protocols. It doesn't process protocols like POP, NNTP, RealAudio and others.
stand-alone	Refers to a device or software program that is self-contained; one that does not require any other device or software program to function.
syntax	Refers to the spelling and grammar of a programming language. Computers are inflexible machines that only understand what you type if you type it in the exact form (syntax) that the computer expects.
uncompress	Restoring compressed data files to their original size and format.
UNIX	A powerful operating system used in high-end workstations and computer systems on the Internet. It allows a single computer to operate multiple programs and be accessed by other computers, all at the same time.
URL (Universal Resource Locator)	Address for a document on the Web. The form of a URL is protocol://pathname. For example, ftp://www.website.com; http://www.website.com; or news://www.website.com.

WWW (World Wide Web)

A system of Internet servers that support specially formatted documents. The documents are formatted in a language—called HTML (HyperText Markup Language)—that supports links to other documents, graphics, audio, and video files.

REFERENCE

Index

A

about
 manual v
 SmartFilter 1-2
access policy 1-6

B

benefits 1-2
blocking access 1-3

C

categories 1-8
 Anonymizers/Translators (an) 2-3
 Art and Culture (ac) 2-3
 Chat (ch) 2-4
 Criminal Skills (cs) 2-4
 Cults/Occult (oc) 2-4
 Dating (mm) 2-5
 Drugs (dr) 2-5
 Entertainment (et) 2-5
 Extreme/Obscene/Violence (ex)
 2-6
 Gambling (gb) 2-6
 Games (gm) 2-6
 General News (nw) 2-7
 Hate Speech (hs) 2-7
 Humor (hm) 2-7
 Investing (in) 2-8
 Job Search (js) 2-8
 Lifestyle (lf) 2-8
 Mature (mt) 2-9
 MP3 Sites (mp) 2-9
 Nudity (nd) 2-9

On-line Sales and Merchandising
 (os) 2-10
Personal Pages (pp) 2-10
Politics, Opinion, and Religion
 (po) 2-10
Portal Sites (ps) 2-11
Self-Help/Health (sh) 2-11
Sex (sx) 2-12
Sports (sp) 2-12
Travel (tr) 2-12
Usenet news (na) 2-13
Webmail (wm) 2-13
coaching 1-3
control list v, 1-8, A-1
 category list 1-8
 subscription 1-9, 3-2
custom restrictions 1-4

D

delay 1-3
deploying SmartFilter 1-5
disclosure information 1-6
downloading
 Control List 3-4
 SmartFilter plugin 3-3

E

error messages 1-4
evaluation login ID 3-2

F

feature summary 1-3
filtering 1-3

firewall 1-5
FTP requirements 3-1

G

groups 1-3

I

ICSA certification 1-6
installing SmartFilter 3-4

K

key benefits 1-2
key features 1-3

L

logging features 1-4
login ID 3-2

P

password 3-2
plugin 1-7
preinstallation considerations 3-2
proxy server 1-5
purchasing SmartFilter 3-3

R

reporting and logging 1-4
requirements 3-1

S

slowing down access 1-3
SmartFilterWhere 2-2, 3-5
subscribing to control list 3-2

U

user groups 1-3

W

warning messages 1-3
web sites
 Secure Computing 1-6

SECURE
COMPUTING



SmartFilter™ is a network filtering software solution that allows organizations to configure and manage employee Web site access leading to increased productivity, reduced liability, and improved network performance.



ADDITIONAL INTEGRATED NETWORK SECURITY SOLUTIONS FROM SECURE COMPUTING

Sidewinder™

Proven in the most demanding government environments, Sidewinder is a premium access control solution that enables the implementation of safe, secure extranets for the enterprise.

SafeWord Plus™

This market leading Web filtering tool enables companies to manage Internet productivity, preserve network bandwidth, and reduce Web-related legal liability.

SafeWord™

This strong authentication system positively identifies and enforces a security policy for users accessing Web, network resources and information assets. SafeWord's scalability and flexibility can meet the complex requirements of any size organization.

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