

Chapter Seventeen: Smartfilter

Summary of Chapter:

- 🔗 A comparison of N2H2 to Smartfilter URL filtering categories.
- 🔗 All of the Smartfilter URL filtering categories listed with Equinet's recommendation for category blocking, a short description of each category and a few example URL's will be listed.

That you need:

- 🔗 URL UTM Licence. You can purchase your PoP code from the following address:
<http://www.equinet.com/ordering/default.asp>

Software Revision Required:

- 🔗 Applicable to software revision 4.1.4 > Net/Cache/SecurePilots
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Comparison of N2H2 and Smartfilter:


- 🔗 All of the N2H2 categories are in the below table with the equivalent or related categories of the Smartfilter URL filtering.

| N2H2 Categories | Equivalent or Related Smartfilter Categories |
|-------------------------------|---|
| Adult | |
| Alcohol | Alcohol |
| Auction | Auction |
| Chat | Chat, Instant Messaging, Messaging |
| Discrim (Hate/Discrimination) | Hate Speech, Extreme, Politics/Opinion, Religion and Ideology |
| Drugs | Drugs |
| Ecommerce | Shopping/Merchandizing |
| Freemail | Webmail |
| Freepage | Personal pages |
| Gambling | Gambling, Gambling Related |
| Games | Games, Game, Cartoon Violence |
| Gross | Gruesome Content |
| Illegal | Criminal Skills, Hacking, Phishing, Malicious Sites, Spam Email URL's |
| Jobsearch | Jobsearch |
| Jokes | Humour |
| Keyword | |
| Language | Profanity |
| Lingerie | Provocative Attire |
| Loophole | Anonymisers, Anonymizing Utilities |
| MBB | Forum/Bulletin Boards, Usenet News |
| News | General News |
| Nudity | Nudity |
| Personal Info | Spyware, Malicious Sites |
| Personals | Dating, Personal |
| Porn | Pornography |
| Recreation | Entertainment/Recreation/Hobby, Travel, Internet Radio/TV, Art/Culture/Heritage |
| Schoolcheat | School Cheating Information |
| Search | Search Engines, Visual Search Engines, Portal Sites |
| Searchterm | |
| Sex | Sexual Materials |
| Sports | Sports |
| Stocks | Stock Trading, Finance |
| Suider (suicide & murder) | Violence, Extreme |
| Swimsuit | Provocative Attire |
| Tobacco | Tobacco |
| Violence | Violence, Game, Cartoon Violence |
| Weapons | Weapons |

Exceptions:

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|-------------------|-------------------------|
| <u>Allowterms</u> | |
| Education | Educational, References |
| Filteredsearch | |
| For Kids | For Kids |
| History | History |
| Medical | |
| Moderated | Moderated |
| Textonly | |

 Not all of the Smartfilter Categories are displayed above. For a full list of the Smartfilter Categories please see the following.

 The below table contains all the Categories of Smartfilter, with a brief summary of the category. In the third column of the table are Equinet's recommendations for Smartfilter Category Blocking for education users.



These recommendations are quite restrictive and are meant only as a guide. Individual schools and LEAs should make their own positive active decisions to allow categories through to their particular pupils and not rely on these defaults which may only be viewed as an initial default.

| Smartfilter Category | Brief Summary | Blocking |
|------------------------|--|----------|
| Alcohol | This category contains content that sells, promotes, or advocates the use of alcoholic beverages, including beer, wine, and hard liquors. www.realbeer.com , http://francoscocktailmixes.com , http://barmeister.com | Yes |
| Anonymizers | This category contains content that enables anonymous Web browsing through an intermediary to prevent unauthorized parties from gathering personal information, but also allow users' access to ANY Web Page and bypass blocking software. Pages that provide free proxy IP addresses are also included in this category. http://anonymizers.com , http://megaproxy.com , http://proxyone.com | Yes |
| Anonymizing Utilities | This category contains Web page language translators and Web-page-caching utilities that could be used as anonymizers, without the express purpose of bypassing filtering software. http://archive.org , http://www.babelfish.altavista , http://translate.google.com/translate_t | Yes |
| Art, Culture, Heritage | Web sites in this category contain virtual art galleries, artist sites (including sculpture and photography), and other cultural topics, such as museums, ethnic customs, and country customs. http://artmuseum.net , http://cartoon-factory.comp , http://artwell.com | No |
| Auction | This category contains URLs that offer access to online auctions. Online auctions are rarely monitored; therefore these sites may contain content that exposes users to material that would otherwise be filtered under categories such as Pornography, Weapons, Nudity, or Violence. http://ebay.com , http://ubid.com , http://auctions.yahoo.com | Yes |
| Business | This category contains URLs that provide information, services, or products that help other businesses plan, manage, and market their enterprises. Also included within this category are pyramid schemes and multi-level marketing ventures. http://catalog.com , http://logitech.com , http://caterpillar.com | Yes |
| Chat | This category contains Web-based chat rooms. Chat rooms allow people to come together online to discuss current events, hot topics, and common interests. This category also includes sites for chat software downloads. http://www.chat.realityreel.com/americanidol.html , http://pages.ebay.com/community/chat http://digichat.com | Yes |
| Computing, Internet | This category contains sites that provide businesses and individuals with reviews, information, and buyer's guides for computers, computer parts and accessories, software, Web Hosting sites, Domain Names for Sale sites/Registrars, computer and Internet periodicals and information, tutorials, clipart, fonts, and animated gif pages. http://anandtech.com , http://tomshardware.com , http://teamphotoshop.com | No |

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| Consumer Information | THIS CATEGORIES COULD DISABLE USEFUL SITES E.G. HELPING ADVICE TO SUICIDAL PERSONS http://www.childline.org.uk/suicide.asp , http://www.befrienders.org This category contains sites that provide information that enhances consumer awareness about topics that include comparing products and businesses, regional information, transportation schedules, maps, driving directions, weather, and the availability of government services such as fire and police departments. http://realestateconsumerguide.com , http://powertochoose.org , http://consumerreports.org | Yes |
| Criminal Skills | 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, phreaking (breaching phone security or phone service theft), consumer scams and fraud, terrorism, evading law enforcement, stalking, lock picking, passing urine tests and selling pirated material, commercial software, music, videos, software, or fake IDs. http://warez.com , http://lockpicks4less.com , http://andr.net | Yes |
| Dating, Personals | This category contains dating and relationship topics, such as a listings of personal advertisements, tips for attracting a companion, introductions to potential foreign spouses, online dating services, and escort services. http://loveme.com , http://match.com , http://personals.yahoo.com | Yes |
| Drugs | This category contains sites that provide information on the purchase, manufacturing, and use of illegal or recreational drugs. This includes displaying, selling, or detailing the use of drug paraphernalia, as well as tips on legal highs, such as glue sniffing, the misuse of prescription drugs, or the abuse of other legal substances. http://420.com , http://hempfiles.com , http://ganjakits.com | Yes |
| Educational, Reference | This category contains sites such as the home pages of colleges, universities, and K-12 schools. Also included are Web pages devoted to academic subject matter such as math, history, science, literature, and general reference sites like online dictionaries and atlases. http://reference.com , http://worldatlas.com , http://berkeley.edu | No |
| Entertainment, Recreation, Hobbies | This category contains URLs devoted to movies, television, music, hobbies, horoscopes, online greeting cards, and amusement parks. http://hollywood.com , http://godsmack.com , http://mrge.com | No |
| Extreme | The extreme category is used in conjunction with such categories as sex, violence, weapons, or hate speech categories, identifying URLs that are at the outer limit of these categories, being gory, perverse, or horrific in nature. An example is child pornography, which would have both the pornography and extreme categorization. http://rotten.com , http://ogrish.com , http://abortionno.org | Yes |
| Finance | Sites in this category contain information about business-related or personal banking, money management, such as 401Ks, credit unions, and mutual funds, as well as online financial publications. http://swx.com , http://ebankmarketing.com , http://bankofamerica.com | Yes |
| Forum, Bulletin Boards | This category contains sites that include forums that permit messages to be posted and read immediately. http://ezboard.com , http://forums.offtopic.com , http://forums.clubsi.com | Yes |
| Gambling | The gambling category contains URLs that offer online casino games, gaming information, bookmaker odds, betting pools, lottery pages, and bingo. http://www.silverdollar.com , http://goldenreefcasino.com , http://bettingspots.com | Yes |
| Gambling Related | This category includes information relevant to gambling, without providing the means to do so. Examples include gambling links, tips, sports picks, lottery results, as well as horse, car or boat racing, etc. | Yes |
| Games, Cartoon Violence | This category is specific to fantasy or fictitious representations of violence within the context of games, comics, cartoons, or graphic novels. This includes images and textual descriptions of physical assaults or hand-to-hand combat, as well as grave injury and destruction caused by weapons or explosives. Sites showing the outer end of this spectrum, such as depictions of torture, gore, or horrific death, are also rated as Extreme. | Yes |
| Games | This category contains URLs that offer online games and related information such as cheats, codes, demos, and emulators. The Games category also includes online contests or role-playing games, in addition to URLs that focus on traditional board games, reviews, and any sites that promote game manufacturers. Fantasy virtual sport leagues may also be included in the Gambling category, in combination with the Games and Sports categories. http://gamespy.com , http://counter-strike.net , http://gamesdomain.com | Yes |
| General News | This category applies to most online news and mainstream publications, such as business, trade, and medical journals, as well as high school and university newspapers. It also includes headline news sites, newswire services, and proprietary news services. http://cnn.com , http://nytimes.com , http://washingtonpost.com | No |
| Government, Military | This category contains URLs with information from world wide government institutions and armed forces home pages. http://ca.gov , http://army.mil , http://gc.ca | Yes |

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| Gruesome Content | This category contains sites that include content such as tasteless humour, excretory functions (vomiting, urinating, or defecating), graphic medical or accident scene photos (containing blood or wounds), and some extreme forms of body modification (cutting, branding, or genital piercing). http://doodie.com , http://path.upmc.edu/cases/case80.html , http://www.toxiccustard.com/features/vomit/ | Yes |
| Hacking | This category has sites that distribute information and hacking tools (root kits, kiddy scripts, etc.) that help individuals gain unauthorized access to computer systems. http://linuxexposed.com , http://hackerthreads.org , http://euyulio.org | Yes |
| Hate Speech | This category is dedicated to any sort of information that would encourage the oppression of a specific group of individuals. This includes promoting, explicitly or implicitly, an agenda against groups based on race, religion, nationality, gender, age, disability, or sexual orientation. http://stormfront.org , http://geocities.com/white_truth , http://twelvearyannations.com | Yes |
| Health | THIS CATEGORIES COULD DISABLE USEFUL SITES E.G. HELPING ADVICE TO SUICIDAL PERSONS http://www.childline.org.uk/suicide.asp , http://www.befrienders.org This category contains URLs with topics designed to improve an individual's well-being. Sites may provide information on new medications, alternative medicine, medically related sex or drug therapies, fitness, mental health, parenting, or support groups. http://kidshealth.org , http://dietitian.com , http://webmd.com | Yes |
| Humour | The humour category contains URLs that intend to be comical or funny. These sites include general jokes, comic pages, and comedy clubs. http://ahajokes.com , http://todayschuckle.com , http://www.netfunny.com | Yes |
| Instant Messaging | URLs in this category provide access and/or software that allow people to communicate in "real time" over the Internet. The software also allows tracking of when other people log on and off of the Internet. http://icq.com/download , http://aim.com , http://messenger.yahoo.com | Yes |
| Internet Radio, TV | The sites in this category provide software and continual Internet access that allows users to connect to "real time" Internet broadcasting of radio and TV programming. http://live365.vom , http://tv4all.com , http://radiotower.com | Yes |
| Job Search | This category contains URLs related to a job search. It encompasses sites concerned with resume writing, interviewing, changing careers, classified advertising, and large job databases. It also includes corporate Web pages listing job openings. http://monster.com , http://careerone.com.au , http://careerbuilder.com | No |
| Malicious Sites | Sites in this category deploy code designed specifically to hijack a computer's settings or activity. NOTE: THE SITES LISTED ARE POTENTIALLY HARMFUL TO YOUR PC. http://4pokertips.com , http://008l.com , http://1stpagehere.com | Yes |
| Media Download | This category contains URLs that provide files to download, such as MP3s, music videos, movie collections, and others. http://mp3jackpot.com , http://fileplanet.com , http://mp3dimension.com | Yes |
| Messaging | This category includes URLs that provide streaming messaging services such as computer to mobile phone text-messaging via SMS (Short Message Service) or MMS (Multimedia Message Service) or computer to fax machine messaging. | Yes |
| Mobile Phone | This category contains URLs of sites that provide software for SMS (Short Message Service), MMS (Multimedia Message Service), WAP (Wireless Application Protocol), iMODE, Ringtones, Logos/skins, games, screen savers, and text-based tunes that can be downloaded from Websites and delivered to mobile phones. http://yourmobile.com , http://ringtones4all.com , http://muwap.us | Yes |
| Non-Profit Organizations, Advocacy Groups | Non-profit and advocacy groups are generally incorporated organizations that exist for educational or charitable reasons. They fulfil a stated mission, benefiting the larger community. Shareholders or trustees do not benefit financially. http://amrivers.org , http://cleftadvocate.org , http://advocatweb.org | Yes |
| Nudity | 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. avalon-nude.com , http://powerpics.de , http://jaedasfineart.com | Yes |
| P2P, Personal Network Storage | This category includes the exchange of files between computers and users for business or personal use. An example of peer-to-peer is downloadable, shared music. Also included are sites that provide online file storage services (also called virtual hard drives or eDrives). http://winmix.com , http://imesh.com , http://briefcase.yahoo.com | Yes |
| Personal Pages | This category includes personal home pages that share a common domain such as those hosted by ISPs, University/Education servers, free Web page hosts, etc. blogging sites are also included. Personal home pages present a risk to viewers because content ranges from harmless to offensive, yet these pages are not highly trafficked, making them difficult to categorize and provide coverage for each personal page. http://www.geocities.com/cplai/names.htm , http://angelfire.com/ca/RoseGarden/Hobbies.html | Yes |

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| Phishing | This category includes sites that typically arrive in hoax e-mail established only to steal users' account information. These sites falsely represent themselves as legitimate company Web sites in order to deceive and obtain user account information that can be used to perpetrate fraud or theft. | Yes |
| Politics, Opinion | This category contains URLs covering political parties, individuals in political life, and opinion on various topics. http://opensecrets.org , http://americanpolitics.com , http://realclearpolitics.com | Yes |
| Pornography | This category contains sites that are intended to be sexually arousing or erotic. This includes fetish pages and child pornography. http://hustler.com , http://penthouse.com , http://paysitereviews.com | Yes |
| Portal Sites | This category contains URLs that serve as a starting point for users when they get connected to the Web. These sites serve as major gateways or directories to content on the Web. 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. http://about.com , http://yahoo.com , http://msn.com | Yes |
| Profanity | Sites that contain crude, vulgar, or obscene language or gestures. http://johnconde.net/shitlist.php , http://ruthlessreviews.com , http://www.erenkrantz.com/Humor/SevenDirtyWords.shtml | Yes |
| Provocative Attire | This category contains URLs with pictures that include alluring or revealing attire, lingerie and swimsuits, or supermodel photo collections but do not involve nudity. http://swimslim.com , http://kiana.com , http://5babes.com | Yes |
| Religion and Ideology | Sites in this category have to do with religious topics and beliefs in human spirituality. http://quran.org.uk , http://purification.org , http://beingquest.com | Yes |
| Remote Access | Sites in this category provide information about ways of gaining remote access to a program, online service or an entire computer system. The backdoor is originally written by the programmer who creates the code for the program. It is often only known by that programmer. While often used legitimately by people who want to use their computer from a remote location, it also creates a potential security risk. http://radmin.com , http://remoteadministrator.com , http://gotomypc.com | Yes |
| Resource Sharing | URLs in this category provide software that allows users to share computer resources; this can be on a company or international basis. Well-known examples are the SETI program the Human Genome Project, which use the computer downtime of thousands of volunteers to analyze data. http://lifemapper.org , http://distributed.net , http://evolutionary-research.org | Yes |
| School Cheating Information | This category contains sites that promote plagiarism or cheating by providing term papers, written essays, or exam answers. http://cheathouse.com , http://academictermpapers.com , http://essaydepot.com | Yes |
| Search Engines | This category contains sites that offer unfiltered, unrestricted, unverified, search engines. http://google.com , http://search.yahoo.com , http://altavista.com | No |
| Sexual Materials | This category contains sites with sexual innuendo, humour, e-commerce, educational or medical descriptions or depictions of sexual acts, specifically those without the intent to arouse. Sites which contain material intended to arouse, fall under the Pornography category. http://kamasutra-sex.org , http://sexualhealth.com , http://mypleasure.com | Yes |
| Shareware, Freeware | Sites in this category provide repositories of download copies of shareware and freeware. Shareware is distributed on the basis of an honour system. Most shareware is delivered free of charge, but the author usually requests that you pay a small fee if you like the program and use it regularly. Freeware is software that is available without any cost. http://download.com , http://5star-shareware.com , http://tu cows.com | Yes |
| Shopping, Merchandizing | This category includes any form of merchandise sales or promotion. It includes market promotions and catalogue selling. Sites in this category may also expose users to material that would be filtered under categories such as Pornography, Weapons, Nudity, or violence. http://amazon.com , http://macys.com , http://petsmart.com | Yes |
| Spam Email URL's | This category includes URLs that arrive in unsolicited SPAM emails. These are harvested directly from user's email inboxes. | Yes |
| Sports | This category contains URLs related to sports, such as: sports teams, sport discussions, sports scores, and sports merchandise. Fantasy football leagues may also be included in this category, sometimes in combination with the Games and Gambling category. http://nfl.com , http://espn.go.com , http://sportsline.com | No |
| Spyware | This category contains URLs that download software that covertly gathers user information through the user's Internet connection, without his or her knowledge, usually for advertising purposes. This may be considered a violation of privacy and may have bandwidth and security implications. These practices are not part of the normal practice of software registration. This category is mainly populated using expert third party information. http://cometcursor.com , http://7search.com , http://brilliantdigital.com | Yes |
| Stock Trading | This category is designed to allow a sit to control its policy regarding allowing users from trading stock at work or accessing ticker tape information; it should not prevent people from doing business research on the Web. http://cnfn.com , http://finance.yahoo.com , http://nasdaq.com | Yes |

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| Streaming Media | This category contains URLs that provide streaming media, or contain software plug-ins that allow the displaying of audio and visual data before the entire file has been transmitted. Excess data is saved in a buffer. http://di.fm , http://mp3.com , http://video.csupomona.edu/streaming/NASA/nasa_index.html | Yes |
| Tobacco | This category contains sites selling, promoting, or advocating the use of tobacco products, including cigarettes, cigars, pipes and chewing tobacco. http://smokers.com , http://finckcigarcompany.com/cigarboxbermuda.com | Yes |
| Travel | This category contains URLs containing airlines, travel-booking agencies, and other travel-related information, such as tourist highlights and special events in various cities. http://orbitz.com , http://expedia.com , http://vacationbritishvirginislands.com | No |
| Usenet News | This category contains sites that provide Web access to Usenet news groups and archives of files uploaded to newsgroups. http://100proffnews.com , http://newsville.com , http://groups.google.com | Yes |
| Violence | The violence category contains images and text that portray, describe, or advocate physical assaults against humans, animals, or institutions. They highlight violence that ranges from the comic book variety to suicide, self-mutilation, or the network news. Sites showing the outer end of this spectrum, such as depictions of torture, gore, or horrific death, are also rated as Extreme. http://bumfights.com , http://fangoria.com , http://www.carpenoctem.tv/killers | Yes |
| Visual Search Engine | This category contains URLs of sites that provide image-specific search results such as thumbnail pictures. http://search.yahoo.com/images , http://google.com/imghp , http://altavista.com/image | Yes |
| Weapons | This category contains URLs of sites that provide information about buying, making, modifying, or using weapons such as guns, knives, and swords, as well as ammunition or explosives. Weapons pages may highlight personal or military use. http://gunaccessories.com , http://www.zmweapons.com , http://galleryofguns.com | Yes |
| Web Ads | This category contains URLs that provide ad-hosting or programs that create advertisements. For example: links, source code or applets for banners, pop-ups, and other kinds of static or dynamically generated ads that appear on Web pages. http://click.absoluteagency.com , http://ads.bomis.com , http://adclicks-agent.de | Yes |
| Web Mail | The sites in this category provide access to e-mail. Web Mail sites can expose users to harmful content delivered via e-mail file attachments. http://hotmail.com , http://mail.yahoo.com , http://myownemail.com | Yes |
| Web Phone | This category contains URLs of sites that enable users to make telephone calls via the Internet or obtain information or software for this purpose. Web Phone is also called Internet Telephony, or Voice Over Internet Protocol (VoIP). Because voice traffic is routed over the Internet in packets that do not tie up a dedicated phone line, most PC-to-PC calls are free. http://net2phone.com , http://aimphone.aol.com/pc , http://buddytalk.com | Yes |

Exceptions

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|-----------|--|
| For Kids | This category includes family-safe sites that are designed specifically for children (approximately ages ten and under). This category may also be used as an exception to allow access to sites that have a primary educational or recreational focus for children but belong to other categories such as Games, Entertainment/Recreation/hobbies, Art/Culture/Heritage, etc. |
| History | This category may be used as an exception to allow access to sites that are non-fictional and historically significant, which may belong to other categories such as Politics/Opinion, Sexual Materials, Violence, etc. This category is designed specifically for content that may be suitable for a mature classroom environment. |
| Moderated | This category may be used as an exception to allow access to bulletin boards, chat sites, or search engines where the author or publisher of these sites state that efforts are made to prevent offensive material from being posted or delivered. |



For more information on where to select the above Smartfilter options, please see any of the subsections of Chapter 14. These sub-sections discuss the three different types of Site Lists you can create on the Net/Secure/CachePilot.