

Inhaltefilter / Contentfilter Salzburger Bildungsnetz

Umstellung Juli 2025



Inhalt

1.	Contentfilter – Ablauf Umstellung	3
2.	Download des Zertifikats	4
2.1 2.2	Browserkonfiguration für EdgeBrowserkonfiguration für Mozilla Firefox	4 9
2.3	Browserkonfiguration für Google Chrome	
2.4	Browserkonfiguration für Safari (MacOS X)	16
3.	Optionen	19
4.	Einstellungen der Filter	19
Anh	ang A (neu): Abgleich alte vs. neue Kategorien	20
Anh	ang B : Beschreibung der Kategorien (neu 2025)	23

1. Contentfilter – Ablauf Umstellung

Der bisherige Contentfilter "zScaler" wird vom Hersteller nicht mehr angeboten. Als Nachfolgeprodukt mit vergleichbarer Funktionalität wechselt die Salzburg AG nun auf das Produkt von DNSFilter.com.

Ab dem **30.06.2025** wird das Webinterface im Kundenportal der Salzburg AG in den **Wartungsmodus** versetzt und es sind keinerlei Änderungen an den Filtern mehr möglich ("freezing").

Die **Umstellung** auf den neuen Inhaltefilter-Anbieter DNSFilter.com erfolgt voraussichtlich in der Kalenderwoche 28, beginnend **ab dem 7. Juli 2025**. Die technische Umsetzung wird automatisch durch die Salzburg AG / Conova durchgeführt.

Im Zuge dieser Umstellung wird dringend empfohlen, auf jenen Endgeräten ein neues Zertifikat zu installieren, die im Sperrfall die Sperrseite des Contentfilters angezeigt bekommen sollen – diese Installation ist von Ihnen selbst durchzuführen und kann bereits ab sofort vorgenommen werden.

Ab dem Zeitpunkt der Umstellung erfolgt die Content-Filterung über den neuen Dienstleister. Nach Abschluss der Arbeiten wird das Webinterface wieder freigegeben und es wird empfohlen, anschließend die Übersetzung bestehender Filterkategorien und Individualfilter auf das neue System zu überprüfen.

> Kategorisierung:

Die neue Filterlösung verfügt über insgesamt 67 Kategorien. Die Übersetzung der bisherigen Kategorien erfolgte nach bestem Wissen und Gewissen, eine manuelle Kontrolle durch die Filter-Admins sowie EDV-Verantwortlichen ist jedoch empfohlen. Welche Kategorien beim verwendeten Filter aktiv sind, kann (nach erfolgter Umstellung) unter https://debug.dnsfilter.com/ geprüft werden.

Details zum Abgleich sind in der Tabelle im Anhang A zu finden.

> Basisfilter:

Der Filter übernimmt die Kategorien pro Schultyp aus den bisherigen Einstellungen. Die bisher ausgewählten Kategorien werden anhand der Abgleichs-Tabelle in die neuen Kategorien übersetzt.

> Individualfilter:

Bestehende Individualfilter werden bestmöglich übernommen. Auch hier ist eine manuelle Kontrolle empfohlen. Falls ein Basisfilter verwendet wird, siehe Punkt "Basisfilter".

Download des Zertifikats

Die Installation des SSL-Zertifikates ist für eine korrekte Funktionsweise des Filters auf jedem Endgerät, das im Sperrfall die Sperrseite des Contentfilters angezeigt bekommen soll, dringend empfohlen!

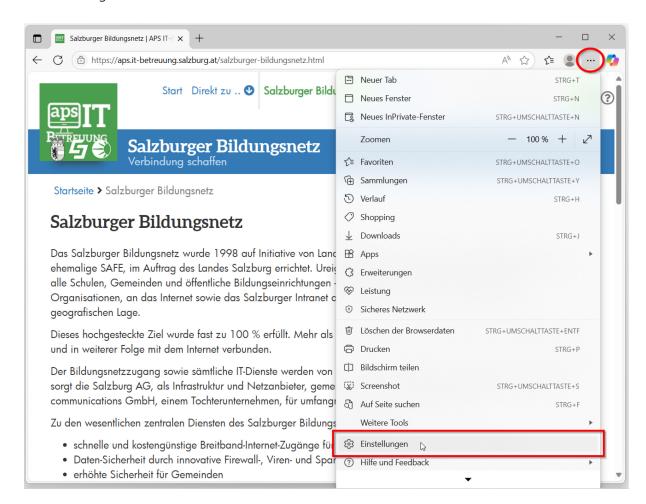
Dieses Zertifikat können Sie unter folgender URL herunterladen:

https://app.dnsfilter.com/certs/DNSFilter.cer

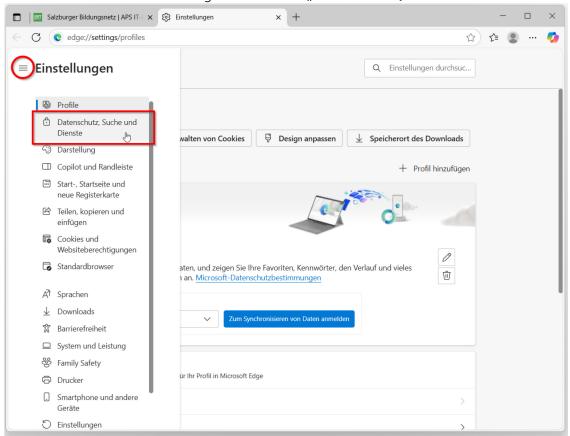
Ist auf einem Endgerät kein entsprechendes Zertifikat installiert, wird auch die Sperrseite nicht angezeigt, sondern nur eine Fehlermeldung "Time Out".

2.1 Browserkonfiguration für Edge

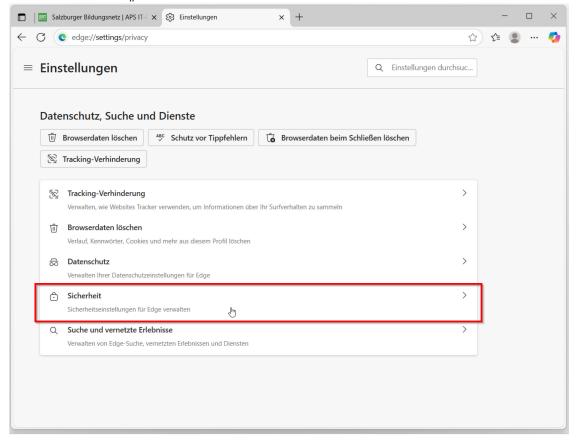
> Starten Sie Microsoft Edge und wählen rechts oben bei den drei Punkten das Menü: Einstellungen



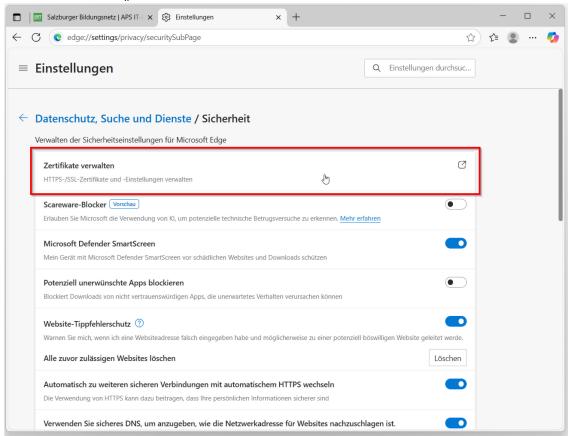
> Wählen Sie links im Hamburger-Menü dann "Datenschutz, Suche und Dienste"



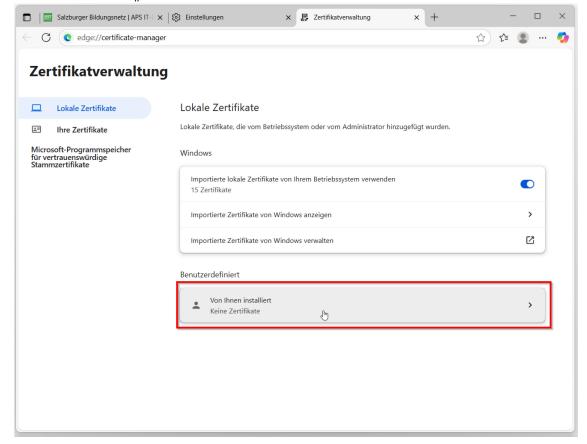
> Klicken Sie auf "Sicherheit":



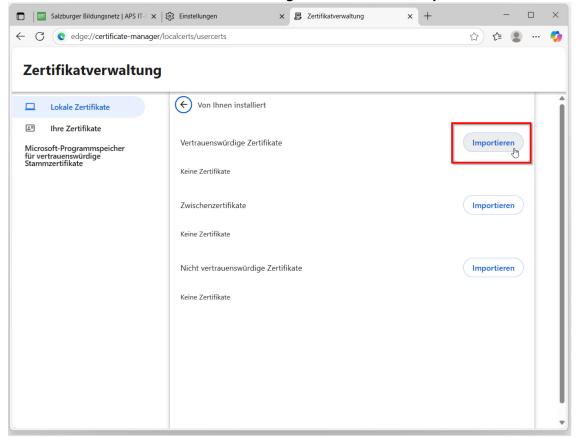
> Klicken Sie auf "Zertifikate verwalten":



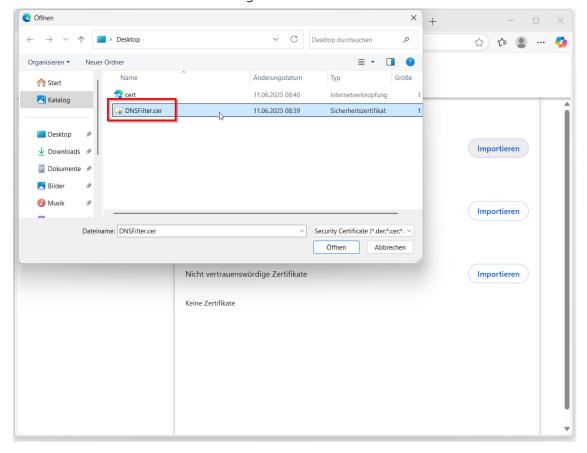
> Klicken Sie auf "Von Ihnen Installiert":



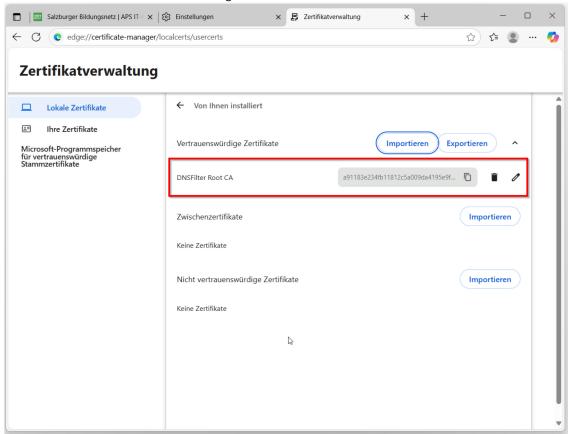
> Klicken Sie in der Zeile: **Vertrauenswürdige Zertifikate** auf "**Importieren**":



> Wählen Sie hier das zuvor heruntergeladene Zertifikat aus.

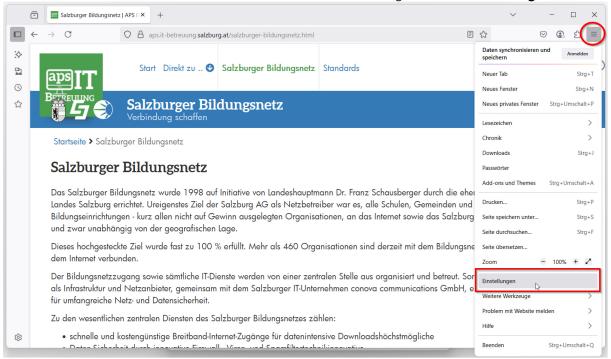


> Sie haben nun das Zertifikat erfolgreich installiert.

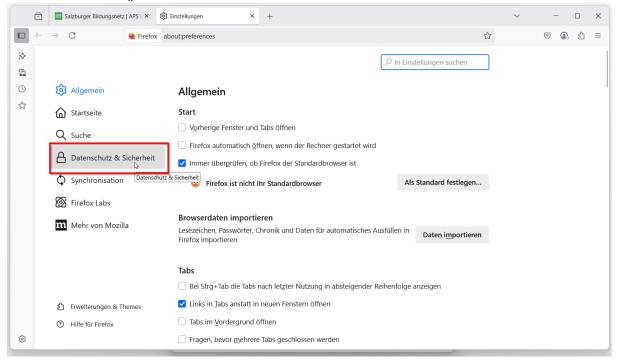


2.2 Browserkonfiguration für Mozilla Firefox

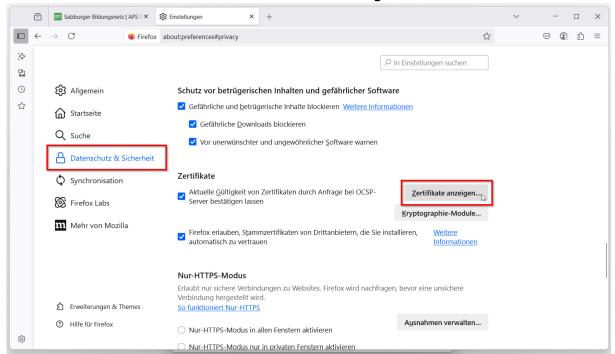
> Öffnen Sie Mozilla Firefox: Wählen Sie rechts oben im Hamburger-Menü: Einstellungen.



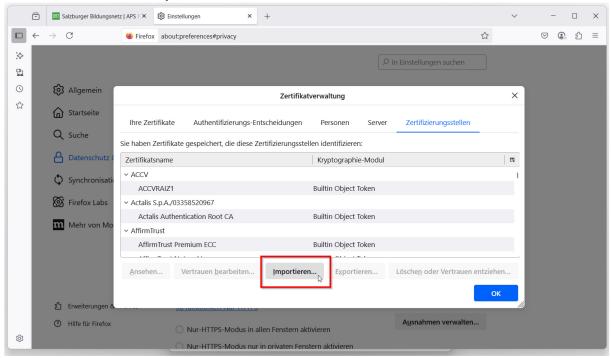
> Wählen Sie links "Datenschutz & Sicherheit"



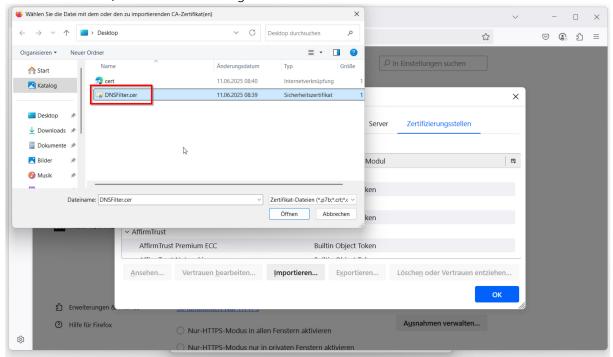
> Im Abschnitt "Zertifikate" wählen Sie "Zertifikate anzeigen..."



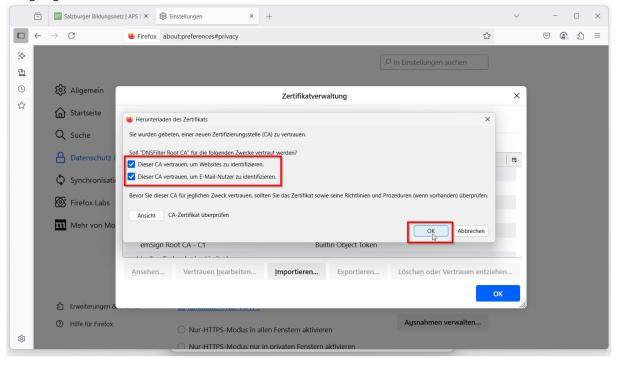
> Klicken Sie hier auf: "Importieren..."



> Wählen Sie hier, das zuvor heruntergeladene Zertifikat aus.

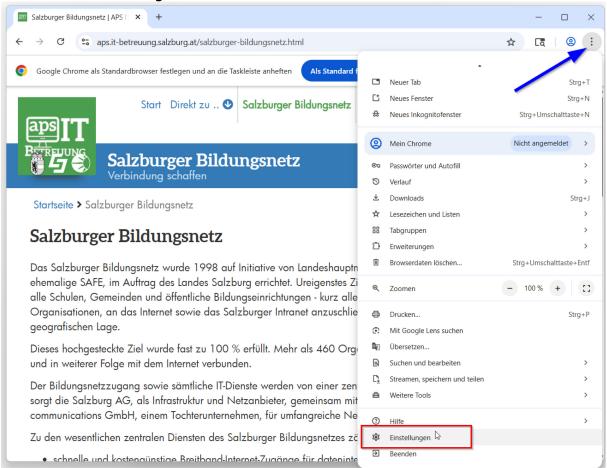


> Setzen Sie die **beiden Haken** um dem Zertifikat zu vertrauen, anschließend beenden Sie den Vorgang durch Klick auf **OK**

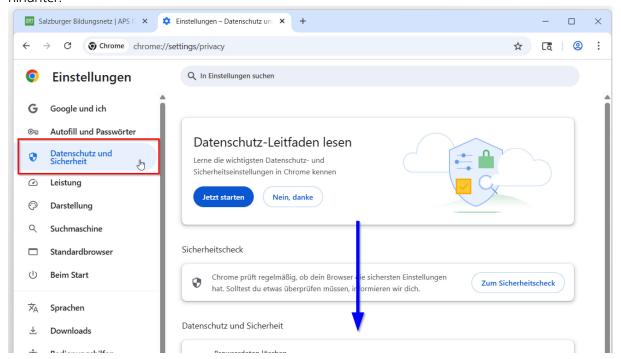


2.3 Browserkonfiguration für Google Chrome

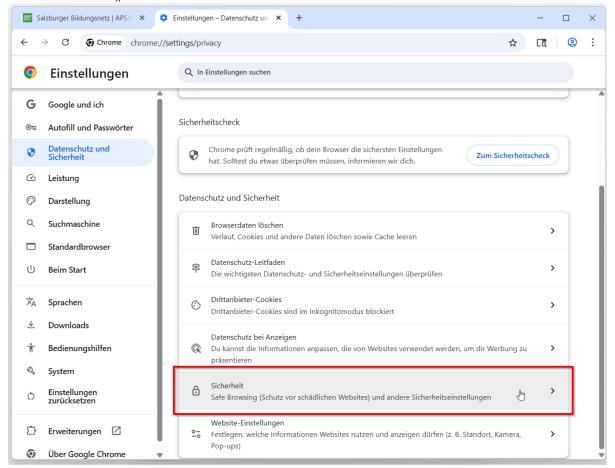
> Klicken Sie im Chrome-Browser auf die drei Punkte in der rechten oberen Ecke und wählen anschließend "**Einstellungen**" aus.



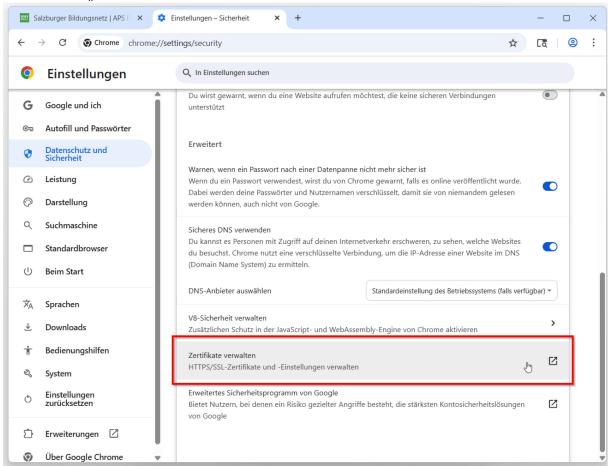
> Wählen Sie links "**Datenschutz und Sicherheit**" aus und scrollen in der rechten Fensterhälfte hinunter.



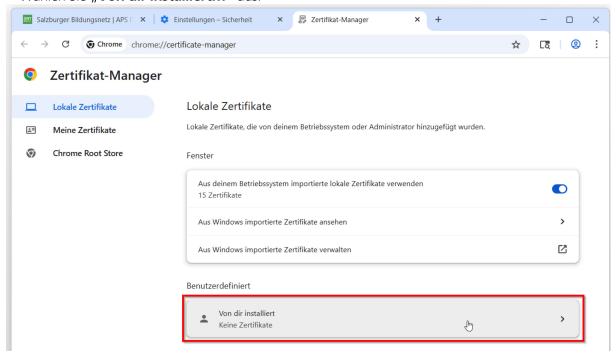
> Scrollen Sie zur "**Sicherheit**" und klicken darauf.



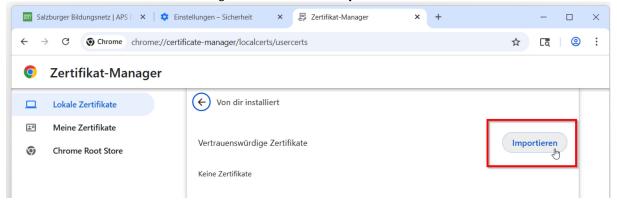
> Wählen Sie "Zertifikate verwalten" aus.



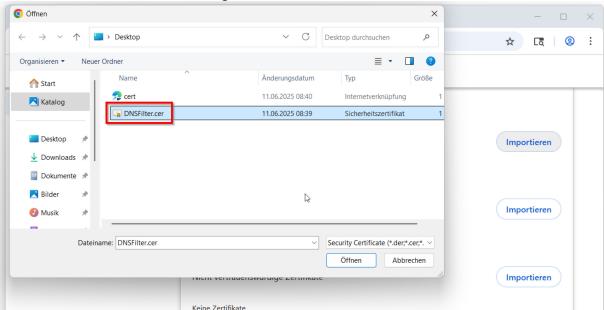
> Wählen Sie "Von dir installiert…" aus.



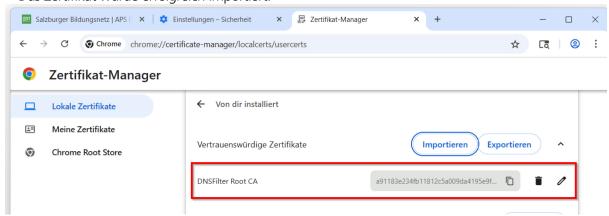
> Wählen Sie bei "Vertrauenswürdige Zertifikate" -> "Importieren" aus.



> Wählen Sie hier das zuvor heruntergeladene Zertifikat aus.



> Das Zertifikat wurde erfolgreich importiert.



2.4 Browserkonfiguration für Safari (MacOS X)

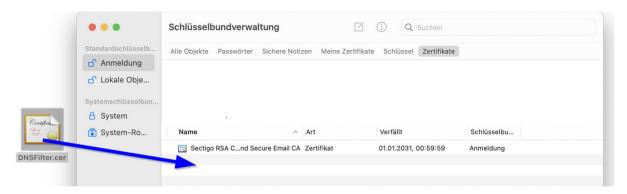
Laden Sie das Zertifikat unter folgendem URL herunter und speichern Sie die Datei auf Ihrem Mac, anschließend entpacken Sie das File:

Download-Link: https://app.dnsfilter.com/certs/DNSFilter.cer

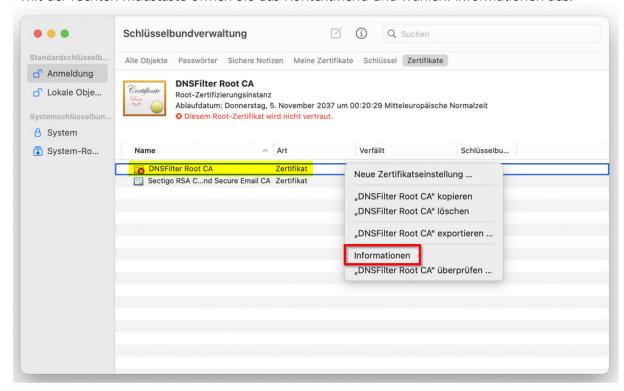
Öffnen Sie auf Ihrem Mac über das Launchpad die Schlüsselbundverwaltung.



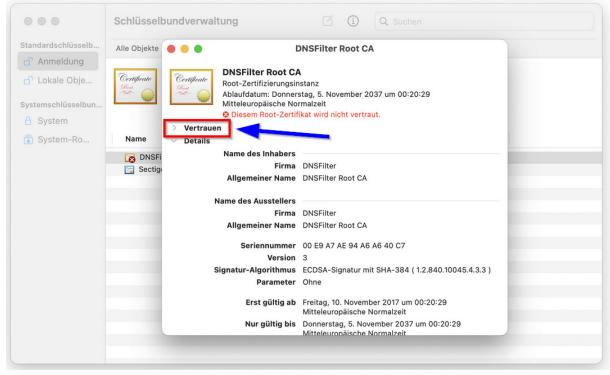
> Importieren Sie das zuvor heruntergeladene Zertifikat, indem Sie das Zertifikat in die Schlüsselbundverwaltung ziehen.



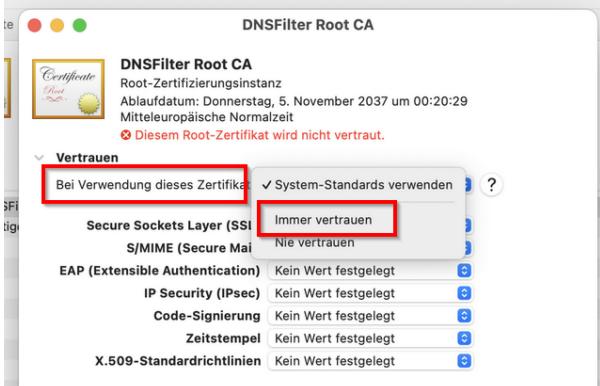
> Mit der rechten Maustaste öffnen Sie das Kontextmenü und wählen: Informationen aus.



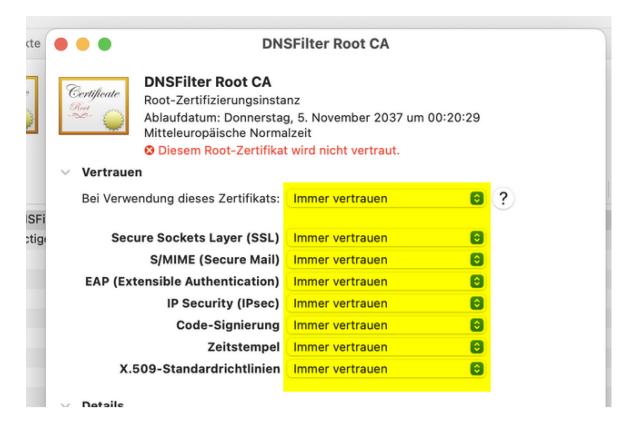
> Ein neues Fenster öffnet sich. Klappen Sie mittels Klick den Bereich: Vertrauen aus.



> Wählen Sie bei "Bei Verwendung dieses Zertifikats:" **Immer vertrauen** aus.



> Schließen Sie das Fenster und bestätigen Sie die Änderungen mit Ihrem Passwort



How-To für die Installation des Zertifikats: https://tinyurl.com/dnsfilterinstall

Bei weiteren Fragen oder Problemen mit der Zertifikatsinstallation wenden Sie sich bitte an den EDV-Kustoden der Schule/Gemeinde oder Ihren EDV-Betreuer.

3. Optionen

- Google Safe Search
- > Sperre nicht kategorisierter Seiten (ein/aus)

4. Einstellungen der Filter

Die Freigabe von Black-/Whitelist-Einträgen sowie die Freigabe von Kategorien an sämtlichen Standard-Filtern unterliegt - wie bisher – den IT-Betreuern der einzelnen Schultypen.

Ebenso entscheidet der jeweils zuständige Filter-Admin über ein Whitelisting bei gesperrten Seiten. Ein entsprechender Antrag kann über das Whitelisting-Formular (Link in der Sperrseite) gemacht werden.

Für die Verwaltung der einzelnen Individual-Filter ist der IT-Betreuer/EDV-Admin der jeweiligen Schule zuständig.

Kontaktdaten Bildungsnetz Support:

Mail: support@salzburg.at Tel.: +43 662 8884 2120

Anhang A (neu): Abgleich alte vs. neue Kategorien

Bestand (zScaler)	Neu (DNSFilter)
adult_sex_education	Adult Content
adult_themes	Adult Content
advanced_security	
adware_spyware_sites	Phishing Lite:
alternate_lifestyle	Health
alt_new_age	Health
anonymizer	Hacking & Cracking und Information Technology
art_culture	Education & Self Help
browser_exploit	Malware
business_and_economy	Economy & Finance
CDN	Message Boards & Forums
classifieds	
computer_hacking	Hacking & Cracking
continuing_education_colleges	Education & Self Help
copyright_infringement	P2P & Illegal:
corporate_marketing	Shopping
cult	Religion
dining_restaurant	Food & Recipes
discussion_forums	Message Boards & Forums
education	Education & Self Help
email_host	Webmail & Chat
entertainment_recreation	News & Media
family_issues	Health
file_host	Media Sharing
finance	Economy & Finance
government_and_politics	Government
History	Education & Self Help

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ews_and_media Ne	ews & Media
on_categorizable	
udity	dult Content
fice_365	siness
nline_auctions Sho	opping
nline_chat Me	essage Boards & Forums
age_risk_ind	
eer_to_peer P2F	P & Illegal:
eer_to_peer_site P2F	P & Illegal:
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ornography Ad	dult Content
ortals	
rofanity	
oxy_avoidance_and_anonymizers Ha	

questionable	
remote_access_tools	Information Technology
search_engines	Search Engines & Portals
sex_education	Adult Content; Education & Self Help
shareware_freeware	Phishing
social_games	Games
society_daily_living	Social Networking
society_lifestyle	Social Networking
software_downloads	Information Technology
spam_sites	Phishing
spyware_and_adware	Phishing
stock_advice_and_tools	Media Sharing
streaming_audio	Media Sharing
streaming_video	Media Sharing
suspected_spyware_or_adware	Phishing
traditional_religion	Religion
translation	Education & Self Help
unauth_comm	
violence	Weapons
web_analytics	Information Technology
web_hosting	Information Technology
web_infrastructure	Information Technology
web_search	Search Engines & Portals
weapons	Weapons
web_advertisements	Phishing
web_based_email	Webmail & Chat

Anhang B: Beschreibung der Kategorien (neu 2025)

Angaben des Herstellers über die verfügbaren Kategorien.

Abortion	Sites which provide views either in favor or against abortion, provide details on procedures, offer help or discuss outcomes or consequences of abortion	
Adult Content	Sites which may contain sexually explicit content, images, or that are portrayed through visually expressive language.	
Advertising	Sites or businesses which directly sell ads to consumer through various mediums - including Internet, TV, or radio. Sites or businesses which directly sell ads to consumer through various mediums - including Internet, TV, or radio.	
Alcohol & Tobacco	Sites that sell, discuss, or glorify the consumption of various alcoholic and tobacco products - including beer, wine, and liquor.	
Blogs & Personal Sites	Includes sites that make use of common blogging software including WordPress, Joomla!, and Drupal, amongst others, which generate dynamic content.	
Business	Sites which exhibit business-like attributes such as selling of services, products, or consulting.	
Webmail & Chat	Sites which provide chat or text messaging services or such abilities through a download or application.	

Dating & Personals	Sites whose main focus is on connecting individuals for the purposes of dating.	
Drugs	Sites that contain content whose main focus is on controlled substances, including the sale, discussion, or glorification of such substances. Does not include alcohol and tobacco.	
Economy & Finance	Includes sites that are mainly focused on stocks and current market information or provide financial services such as banks or lenders.	
Education & Self Help	Sites whose main purpose is to offer educational information, community information, or how-tos. Also includes educational facilities and related organizations.	
Entertainment	Sites that focus on art and entertainment, including topics like TV/Hollywood, tattoos, cartoons and anime.	
Food & Recipes	Sites that contain food related information or recipes, food preparation, or restaurant services.	
Gambling	Sites that allow a visitor to play games using wagers/placing bets, lottery pools, or provides information on such activities.	
Games.	Sites that provide games, and information and services related to games, including online games or through an application	

Hacking & Cracking	Sites that disseminate information, hold discussions, or provide a means to gain unauthorized or illegal access to computers and networks.	
Health	Sites focused on physical, mental, and social well-being, including fitness information, medical conditions, diagnosis, and medical services.	
Humor	Sites that contain content with a focus on jokes or comedy, including satire.	
Information Technology	Site whose main focus is on computers or distributing computer related information, including computer networking, Internet telephony, operating systems, or programming.	
Jobs & Careers	Sites that provide assistance in finding employment, career guidance or improvement.	
Media Sharing	Sites that allow visitors to upload content and share media such as photos and videos.	
Message Boards & Forums	Sites which provide some type of a messaging or bulletin board system whose content is largely community generated.	
News & Media	Sites whose content is mostly focused on current events and topics. Includes various news outlets, radio, TV stations, and magazines.	

Parked Sites & Domains	Sites/domain names that may no longer controlled by the original owner. These are often taken over by malicious third parties to host threats.	
Proxy & Filter Avoidance	Sites that provide information or a means to circumvent DNS based content filtering, including VPN and anonymous surfing services.	
Real Estate	Sites that provide information or services for renting, selling, or buying property.	
Religion	Sites that provide information on one or more religious beliefs, practices, or are affiliated with a religious institution such as a church or synagogue.	
Search Engines & Portals	Sites that enable their visitors to search the Internet or whose main focus is to provide links to other Internet sites.	
Shopping	Sites that sell products or services, normally with an online purchasing interface.	
Social Networking	Sites that provide a community portal whereby members join and contribute posts or media and forge connections with other members.	
Sports	Sites that contain information about various sports and sporting activities, including sports scores or team information.	

Streaming Media	Sites that are mainly dedicated to the serving of video or audio streams and downloads.	
Translation Sites	Sites that perform translation from one language to another, usually performed by a computer. May also be used as a means to circumvent content filters.	
Travel	Sites that focus on travel planning services, travel reservations, and tourist information.	
Uncategorized	Sites that are not currently classified as belonging to one of the other categories or are not yet classified.	
Vehicles	Sites that mainly hold discussions or share information about vehicles, including cars, trucks, boats, and aircraft.	
Virtual Reality	Sites that host files specific to virtual reality or run communities related to the technology.	
Weapons	Sites that primarily discuss, review, or sell items such as hunting knives, guns, rifles, or BB guns.	
P2P & Illegal	P2P & Torrent sites, and those giving access pirated movies, software, application keys and cracks.	

Content Servers	Sites whose main purpose is to serve static image, CSS, and JavaScript files.	
Phishing	Fraudulent websites that aim to trick users into handing over personal or financial information.	
Botnet	Command and Control botnet hosts. Prevents receiving commands for already infected machines. Helps identify infected machines.	
Cryptomining	Sites which serve files or host applications that force the web browser to mine cryptocurrency, often utilizing considerable system, network, and power resources.	
IWF	Sites that are compliant with the Internet Watch Foundation standard.	
Malware	Malicious software including drop servers and compromised websites that can be accessed via any application, protocol or port. Includes drive by downloads and adware.	
New Domains	Domains which have been registered in the last 30 days, which have a high probability of serving malicious resources	
Terrorism & Hate	Sites that are primarily focused on promoting terrorism or hate content (i.e. explicitly racist, discriminatory, violent, or hateful content).	

Arachnid	Sites that could contain material that exploits minors	
Government	Sites that use official government top-level domain names or are run by government entities such as the military, army, or air force.	
Trackers	Sites or businesses that use various techniques to track user behavior across the internet.	
Very New Domains	Domains which have been registered in the last 24 hours, which have a high probability of serving malicious resources.	
Contentious & Misinformation	Sites that are contentious or controversial, often causing argument or controversy, characterized by strong opposing arguments	
Advertising Lite	A slightly modified version of our 'Advertising' category that whitelists a handful of domains in order to make a less restrictive Advertising category.	
Trackers Lite.	A slightly modified version of our 'Trackers' category that whitelists a handful of domains in order to make a less restrictive Trackers category	
Malicious Domain Protection	Machine learning driven malicious domain detection. This will detect items like Domain Generation Algorithms (DGA), botnet, malware, and other deceptive sites based on our machine learning risk scoring.	

Generative Al Tools	Sites that have web based Al interfaces that use either loaded or pre-trained sets of data to generate prompted content. This includes but is not limited to: written copy, text, images, applications, and code blocks.	
Phishing Lite	A slightly modified version of our 'Phishing' category that whitelists a handful of domains in order to make a less restrictive Phishing category	
Malicious Lite	A slightly modified version of our 'Malware' category that whitelists a handful of domains in order to make a less restrictive Malware category	
Internal-Use-1	Internal Use.	
Self Harm	Sites which primarily feature or encourage self-inflicted bodily harm, and/or gratuitously display images related to self- inflicted bodily harm.	
Newly Observed Domains	Domains observed in DNS traffic for the first time within the last 30 days, which have a higher likelihood of potentially malicious or unwanted activity	
Suspicious & Deceptive	Risky websites suspected of association with scams, risky software and/or unwanted activity. This category includes, but is not limited to: Host Abuse, URL Shorteners, Suspicious Trackers, Suspected Typosquatting, Potentially Unwanted Applications, Disreputable Businesses, and Fast Scam Stores.	

Blacklist	Sites that are configured in an applied policy blacklist.	
Global whitelist	Sites required to use the service, and are included in the global whitelist.	
Whitelist	Sites that are configured in an applied policy whitelist.	
Categorizing	Sites that are currently being classified.	
Uncategorized	Sites that are not yet classified.	