Other Informations

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Environment Variables for Pi-hole

Variable	Default Value	Description
PIHOLE_DNS_	8.8.8.8;8.8.4.4	Upstream DNS servers, separated by `;`. Supports custom ports (e.g., `127.0.0.1#5053`). DNS servers added via the web interface will be overwritten on restart.
DNSSEC	false	Enable DNSSEC support (`true` or `false`).
DNS_BOGUS_PRIV	true	Prevents forwarding reverse lookups for private ranges.
DNS_FQDN_REQUIRED	true	Prevents forwarding of non-FQDNs (Fully Qualified Domain Names).
REV_SERVER	false	Enables DNS conditional forwarding for local device name resolution.

Variable	Default Value	Description
REV_SERVER_DOMAIN	unset	Set the domain of the local network router if conditional forwarding is enabled.
REV_SERVER_TARGET	unset	IP of the local network router when conditional forwarding is enabled.
REV_SERVER_CIDR	unset	Reverse DNS zone (e.g., `192.168.0.0/24`) for conditional forwarding.
DHCP_ACTIVE	false	Enable DHCP server (`true` or `false`).
DHCP_START	unset	Start IP for DHCP server (if DHCP is enabled).
DHCP_END	unset	End IP for DHCP server (if DHCP is enabled).
DHCP_ROUTER	unset	Router (gateway) IP for the DHCP server (if DHCP is enabled).
DHCP_LEASETIME	24	Lease time for DHCP (in hours).
PIHOLE_DOMAIN	lan	Domain name sent by the DHCP server.
DHCP_IPv6	false	Enable DHCP IPv6 support (`true` or `false`).
DHCP_rapid_commit	false	Enable DHCPv4 rapid commit.
VIRTUAL_HOST	${HOSTNAME}	Sets the virtual host for web access (e.g., `http://pi.hole/admin`).
IPv6	true	Disables IPv6 configuration when set to `false` (helpful for Unraid).
TEMPERATUREUNIT	c	Sets temperature unit (`c`: Celsius, `k`: Kelvin, or `f`: Fahrenheit).
WEBUIBOXEDLAYOUT	boxed	Use boxed or traditional layout for the web interface.
QUERY_LOGGING	true	Enables or disables query logging.
WEBTHEME	default-light	User interface theme (options: `default-dark`, `default-light`, `default-auto`, etc.).
WEBPASSWORD_FILE	unset	Set admin password via Docker secrets. Ignored if `WEBPASSWORD` is set.

Advanced Variables

Variable	Default Value	Description
INTERFACE	unset	NIC interface for DNS or DHCP services.
DNSMASQ_LISTENING	unset	Listening behavior (`local`, `all`, `single`).
WEB_PORT	unset	Custom web interface port (may affect the "blocked" page functionality).
WEB_BIND_ADDR	unset	Bind address for the web interface.
SKIPGRAVITYONBOOT	unset	Skip updating Gravity Database on boot (set to `1` to skip).
CORS_HOSTS	unset	List of FQDNs allowed for CORS (comma-separated).
CUSTOM_CACHE_SIZE	10000	Sets cache size for `dnsmasq`. Ignored if DNSSEC is enabled.
FTL_CMD	no-daemon	Customize `dnsmasq` options (e.g., `no-daemon -- --dns-forward-max 300`).
FTLCONF_[SETTING]	unset	Customize `pihole-FTL.conf` settings (e.g., `FTLCONF_LOCAL_IPV4`).

Experimental Variables

Variable	Default Value	Description
DNSMASQ_USER	unset	Change the user that `FTLDNS` runs as (`pihole` or `root`).
PIHOLE_UID	999	Override Pi-hole's default user ID.
PIHOLE_GID	999	Override Pi-hole's default group ID.
WEB_UID	33	Override the `www-data` user ID.
WEB_GID	33	Override the `www-data` group ID.
WEBLOGS_STDOUT	0	Redirects web logs to stdout when set to `1`.

Configure Adlists

To enhance Pi-hole's ability to block unwanted ads, trackers, and malicious content, you can add custom adlists. Below is a step-by-step guide to add adlists in Pi-hole, followed by a comprehensive list of popular adlists.

Step 1: Access Pi-hole's Web Interface

1. Open a web browser and navigate to your Pi-hole admin page. If you set up Pi-hole to run at a specific IP and port (e.g., `888`), you can visit the following URL:

   ```
   http://my-server-ip:888/admin/groups-adlists.php
   ```

2. Log in using your Pi-hole admin password.

Step 2: Navigate to the Adlists Section

1. Once logged in, go to the **Group Management** tab.
2. Select the **Adlists** option from the sidebar.

Step 3: Add New Adlists

1. In the **Adlists** page, you'll see an option to **Add a new adlist**.
2. Enter the URL of the adlist you wish to add in the "Address" field.
3. Add a comment or label for future reference (e.g., `Default`).
4. Click on **Add**.

Adlists with **7.303.876 Domain**s on the Adlists:

```
https://raw.githubusercontent.com/StevenBlack/hosts/master/hosts https://big.oisd.nl
https://nsfw.oisd.nlhttps://raw.githubusercontent.com/PolishFiltersTeam/KADhosts/master/KADhosts.txt
https://raw.githubusercontent.com/FadeMind/hosts.extras/master/add.Spam/hosts
https://v.firebog.net/hosts/static/w3kbl.txt https://raw.githubusercontent.com/matomo-org/referrer-spam-
blacklist/master/spammers.txt https://someonewhocares.org/hosts/zero/hosts
https://raw.githubusercontent.com/VeleSila/yhosts/master/hosts https://winhelp2002.mvps.org/hosts.txt
https://v.firebog.net/hosts/neohostsbasic.txt https://raw.githubusercontent.com/RooneyMcNibNug/pihole-
```

stuff/master/SNAFU.txt https://paulgb.github.io/BarbBlock/blacklists/hosts-file.txt https://adaway.org/hosts.txt https://v.firebog.net/hosts/AdguardDNS.txt https://v.firebog.net/hosts/Admiral.txt https://raw.githubusercontent.com/anudeepND/blacklist/master/adservers.txt https://v.firebog.net/hosts/Easylist.txt https://pgl.yoyo.org/adservers/serverlist.php?hostformat=hosts&showintro=0&mimetype=plaintext https://raw.githubusercontent.com/FadeMind/hosts.extras/master/UncheckyAds/hosts https://raw.githubusercontent.com/bigdargon/hostsVN/master/hosts https://raw.githubusercontent.com/jdlingyu/ad-wars/master/hosts https://v.firebog.net/hosts/Easyprivacy.txt https://v.firebog.net/hosts/Prigent-Ads.txt https://raw.githubusercontent.com/FadeMind/hosts.extras/master/add.2o7Net/hosts https://raw.githubusercontent.com/crazy-max/WindowsSpyBlocker/master/data/hosts/spy.txt https://hostfiles.frogeye.fr/firstparty-trackers-hosts.txt https://www.github.developerdan.com/hosts/lists/ads-and-tracking-extended.txt https://raw.githubusercontent.com/Perflyst/PiHoleBlocklist/master/android-tracking.txt https://raw.githubusercontent.com/Perflyst/PiHoleBlocklist/master/SmartTV.txt https://raw.githubusercontent.com/Perflyst/PiHoleBlocklist/master/AmazonFireTV.txt https://gitlab.com/quidsup/notrack-blocklists/raw/master/notrack-blocklist.txt https://raw.githubusercontent.com/DandelionSprout/adfilt/master/Alternate%20versions%20Anti-Malware%20List/AntiMalwareHosts.txt https://osint.digitalside.it/Threat-Intel/lists/latestdomains.txt https://v.firebog.net/hosts/Prigent-Crypto.txt https://raw.githubusercontent.com/FadeMind/hosts.extras/master/add.Risk/hosts https://bitbucket.org/ethanr/dns-blacklists/raw/8575c9f96e5b4a1308f2f12394abd86d0927a4a0/bad_lists/Mandiant_APT1_Report_Appendix_D.txt https://phishing.army/download/phishing_army_blocklist_extended.txt https://gitlab.com/quidsup/notrack-blocklists/raw/master/notrack-malware.txt https://v.firebog.net/hosts/RPiList-Malware.txt https://v.firebog.net/hosts/RPiList-Phishing.txt https://raw.githubusercontent.com/Spam404/lists/master/main-blacklist.txt https://raw.githubusercontent.com/AssoEchap/stalkerware-indicators/master/generated/hosts https://urlhaus.abuse.ch/downloads/hostfile/ https://malware-filter.gitlab.io/malware-filter/phishing-filter-hosts.txt https://v.firebog.net/hosts/Prigent-Malware.txt https://zerodot1.gitlab.io/CoinBlockerLists/hosts_browser https://raw.githubusercontent.com/chadmayfield/my-pihole-blocklists/master/lists/pi_blocklist_porn_top1m.list https://v.firebog.net/hosts/Prigent-Adult.txt https://raw.githubusercontent.com/anudeepND/blacklist/master/facebook.txt https://raw.githubusercontent.com/xxcriticxx/.pl-host-file/master/hosts.txt https://raw.githubusercontent.com/Goooler/1024_hosts/master/hosts https://tgc.cloud/downloads/hosts.txt

Conclusion

By adding these adlists, you can extend Pi-hole’s capabilities to block a wider variety of ads, trackers, and malicious content. This can significantly improve browsing speed, privacy, and security across your network. Make sure to regularly update Pi-hole’s Gravity to keep the adlists up to date.