

# 2020

Whitelist Google Ads for some clients with Pi-hole v5.0



<https://discourse.pi-hole.net/u/jpgpi250>

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## 1. About this manual.

Using this guide will allow you to whitelist Google ads for some devices, this to avoid conflict and keep the peace at home, using pi-hole v5.0.

If you are reading this document, using Adobe Reader, you may click on a hyperlink to content in this document. Use the combination <Alt> <left arrow> to return to the previous location.

"Back" and "Forward" buttons can also be added to the toolbar. If you right-click on the toolbar, under "Page Navigation", they are referred to as "Previous View" and "Next View".

## 2. Goal

Browsers, using the google search engine, will often show ad links, as the first results. Most pi-hole setups use ad lists that will make these links inaccessible (blocked), leading to unhappy wags, who often wish to see these ads. The goal of this manual is to:

- Allow the pi-hole administrator to make whitelist exceptions for certain devices (allow access to google ads from the google search results).
- Provide an easier way to setup the configuration, by providing a script that will require the administrator to perform only a few steps to whitelist google ads for a device.

## 3. Manual Configuration

Some of the required steps can be performed, by executing the script (see [here](#)).

1. Create the whitelist entries (menu Whitelist). The type should be 'Exact whitelist' don't check the wildcard checkbox).

The following whitelist entries need to be created to allow google search ad links to work (list suggested [here](#)):

```
www.googleadservices.com
dartsearch.net
www.googletagmanager.com
www.googletagservices.com
ad.doubleclick.net
clickserve.dartsearch.net
```

The result should look like this:

www.googleadservices.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	
dartsearch.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	
www.googletagmanager.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	
www.googletagservices.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	
ad.doubleclick.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	
clickserve.dartsearch.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	

2. Create a new group 'googleads' (menu Group Management / Groups).

The result should look like this:

googleads	Enabled <input checked="" type="checkbox"/>	devices with google ads	
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3. Assign the whitelisted domains to the new group (menu Group Management / Domains)

The result should look like this:

www.googleadservices.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	
dartsearch.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	
www.googletagmanager.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	
www.googletagservices.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	
ad.doubleclick.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	
clickserve.dartsearch.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▴	

The result of editing the group assignment (before clicking 'Apply') should look like this:

www.googleadservices.com	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	
dartsearch.net	Exact whitelist ▾	Enabled <input checked="" type="checkbox"/>	allow google ads	googleads ▾	

Apply

All None

Default

android

googleads ☒

4. Create the client device (menu Group Management / Clients).

You can read more about clients in my [pi-hole manual](#), section 17.2.

5. Add the desired device(s) (the client from the previous subsection) to the 'googleads' group.

I specifically used a configuration with multiple groups to show the possible results:

- Member of 'The default group' and the 'googleads' group. The client will be subject to the default assignments, google ads will be whitelisted:

The screenshot shows a configuration interface with a text input field containing '192.168.2.177' and 'macbook.localdomain'. To the right is a dropdown menu with 'macbook' selected. Further right is a green 'Apply' button. Below the 'Apply' button are two tabs: 'All' and 'None'. Below the tabs is a list of groups: 'Default' (checked), 'android', and 'googleads' (checked). A mouse cursor is pointing at the 'googleads' group.

Result:

The screenshot shows the same configuration interface as before, but now the dropdown menu shows '2 selected' instead of 'macbook'.

- Member of All groups (reference my [pi-hole manual](#), section 18, a 'whitelist example'). The client will be subject to default assignments, android notifications will be allowed, and, google ads will be whitelisted.

The screenshot shows a configuration interface with a text input field containing '192.168.2.170' and 's9.localdomain'. To the right is a dropdown menu with 's9' selected. Further right is a green 'Apply' button. Below the 'Apply' button are two tabs: 'All' and 'None'. Below the tabs is a list of groups: 'Default' (checked), 'android' (checked), and 'googleads' (checked). A mouse cursor is pointing at the 'All selected (3)' group.

Result:

The screenshot shows the same configuration interface as before, but now the dropdown menu shows 'All selected (3)' instead of 's9'.

6. Activate changes.

- Ensure pi-hole (FTL) reads the changes, execute the following command:

```
pihole restartdns reload-lists
```

- Clear the windows cache (the wag device)

```
Ipconfig /flushdns
```

#### 4. Scripted Configuration.

In order to make life easier, I've included a script that automatically makes the necessary changes, steps 1 to 3 (create whitelist entries, create group, assign whitelist entries to group).

It is impossible to assign your clients to the group, the script doesn't know the specifications of your (wags) device(s), these steps need to be performed manually, luckily, that part is the easiest. **Execute steps 4, 5 and 6** (create client, assign client to group and activate the changes) **manually**, when using this script, to achieve google ads whitelisting.

**WARNING: carefully read the comment in the script before executing it!**



Click on the icon to view the script in a browser. Copy the content and make the script executable (`sudo chmod +x /home/pi/googleads.sh`). You can also use [wget](#) (click on Basic usage) to copy the script directly. Execute the script with 'sudo'!

## 5. Change Log

17-05-2020

- Version 1 (draft). Report issues [here](#).