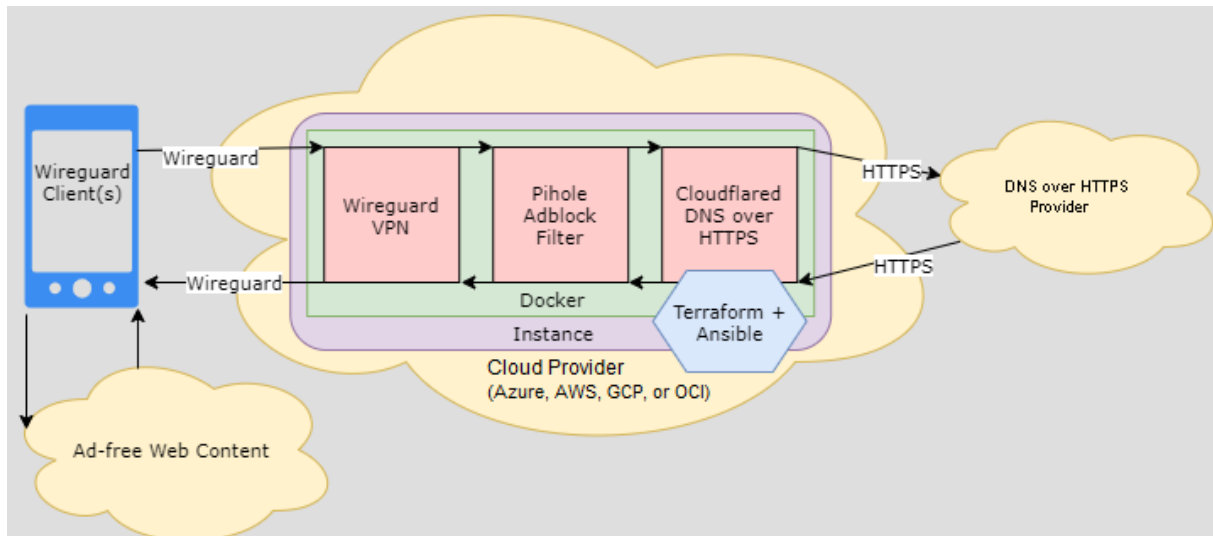


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## Overview

End-to-end DNS encryption with DNS-based ad-blocking, built in the cloud automatically using Terraform with Ansible. Choose your cloud provider or a standalone installation.

Combines wireguard (DNS VPN), pi-hole (adblock), and cloudflare (DNS over HTTPS) docker containers, as visualized:



## Instructions

Several deployment options are available, see the README of each subdirectory for platform-specific guides. - AWS (Amazon) - Azure (Microsoft) - DO (Digital Ocean) - GCP (Google) - Lightsail (Fixed-rate/Low-cost AWS) - OCI (Oracle) - SCW (Scaleway) - Standalone Raspberry Pi or Ubuntu Server (under playbooks/)

## Videos

As these videos have aged a bit, replace references to Ubuntu 18.04 with Ubuntu 22.04. Text guides are up to date.

### Standalone Raspberry Pi or Ubuntu Server

Step-by-step, follow along with me as I install on a Raspberry Pi. - Raspberry Pi 4+ (Raspbian 10/Buster) – video - guide

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## Cloud Deployments

Choosing a cloud provider? Watch this video for a mostly un-biased comparison of free options/free trials.

Step-by-step, follow along with me as I deploy from a windows desktop - for Cloud deployments. - All cloud deployments should watch this prerequisites video first.

After watching the cloud prerequisites video, follow a guide specific to your cloud provider. - Amazon Web Services (AWS / Lightsail) - (video - readme) - Microsoft Azure (AZW) - (video - readme) - Digital Ocean (DO) - (video - readme) - Google Cloud Platform (GCP) - (video - readme) - Oracle Cloud Infrastructure (OCI) - (video - readme) - Scaleway Cloud (SCW) (video - readme)

For maintaining the containers running your cloudblock services, see the README (or terraform output) specific to your deployment. For Cloud deployments, this video describes maintenance steps.

## Discussion

Discord Room

## Changelog

### 2022-10

- Added references to Ubuntu 22.04 (replacing Ubuntu 18.04) for:
  - WSL installation
  - Cloud virtual machine images
- Note about Oracle's private key generation for `oci config`