

Cloud Threat Intelligence

One of the best features of ZenArmor, is it's real-time Cloud Reputation and Threat Intelligence. These features are served through what they call ZenArmor Cloud, which is hosted by them, using a Google Cloud Infrastructure. ZenArmor Cloud is essentially a database that is continuously updated as new threats become realized. It allows for real time security threat intelligence, web site categorization, and site reputation/ranking which can be used for whitelisting or blacklisting.

ZenArmor sources it's data from their own database, their SOC, commercial threat intelligence feeds and public known threat databases, and several more reliable entities. With this large quantity of information, their AI-based threat intelligence can protect your network and devices from a large variety of attacks.

How it Works

Whenever a device within a protected network attempts to start a connection, the cloud data is queried in real time. The ZenArmor packet engine will process the flow and query the data from the nearest cloud server. Then, it will decide whether the connection is secure and decides how to proceed based on the policies and rules you have set up. As stated in their documentation, all communication between the packet engine and the cloud server uses proprietary encryption on UDP ports 5355 and 5356.

Configurations

You can configure Cloud Threat Intelligence via OPNsense Web GUI or Zenconsole. You can clear Cloud cache, exclude local domains, and also select their cloud servers that are closest to you to improve speed of connections and queries.

Cloud Threat Intelligence

Cloud Threat Intelligence is a service that provides real-time threat intelligence about IP addresses, URLs, and domains.

More Info 

Enabled

Local Domains Name To Exclude From Cloud Queries

Domain

intra.example.com

+ Exclude Local Domain

Cloud Reputation Servers

Cloud Reputation Servers are used to retrieve reputation data from the cloud.

 Re-check Reputation Servers

Cloud Node Name	Status	Response Time
US-Central	<input checked="" type="checkbox"/> Active	39.47 ms
US-East	<input checked="" type="checkbox"/> Active	51.79 ms
US-West	<input type="checkbox"/> Passive	78.73 ms
Europe	<input type="checkbox"/> Passive	136.34 ms
Europe2	<input type="checkbox"/> Passive	142.4 ms
Australia	<input type="checkbox"/> Passive	204.85 ms
Asia	<input type="checkbox"/> Passive	208.17 ms
Asia2	<input type="checkbox"/> Passive	290.84 ms

+ Add Reputation Server

Save

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