















Setup and Installation

- [Plug-Ins on OPNsense](#)

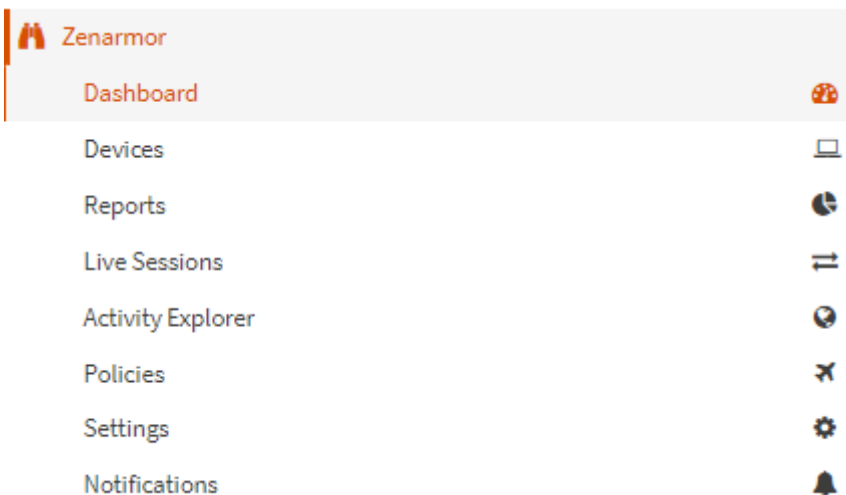
Plug-Ins on OPNsense

There are several ways to install and deploy ZenArmor and its utilities. I chose to install it's plug-ins via my OPNsense Web GUI. To install, navigate to through System --> Firmware --> Plugins and locate the os-sunnyvalley plugin. These are the plugins I currently have installed:

System: Firmware

Name	Version	Size	Tier	Repository	Comment	
os-etpro-telemetry (installed)	1.6_3	50.3KIB	2	OPNsense	ET Pro Telemetry Edition	 
os-intrusion-detection-content-et-open (installed)	1.0.2_2	6.85KIB	3	OPNsense	IDS Proofpoint full ET open ruleset complementary subset for ET Pro Telemetry edition	 
os-sensei (installed)	1.16.4	228MIB	3	SunnyValley	Next Generation Firewall Extensions for OPNsense (ZENARMOR)	 
os-sensei-agent (installed)	1.16.6	115MIB	3	SunnyValley	ZENARMOR (Sensei) Connectivity Agent for Cloud Central Management	 
os-sensei-updater (installed)	1.16	4.11KIB	3	SunnyValley	OPNsense ZENARMOR Plugin Updater	 
os-sunnyvalley (installed)	1.4_3	2.39KIB	3	OPNsense	Vendor Repository for Zenarmor (a.k.a Sensei, Next Generation Firewall Extensions)	 
os-telegraf (installed)	1.12.10	96.9KIB	3	OPNsense	Agent for collecting metrics and data	 

With the plugin installed, navigate to the Zenarmor tab within the OPNsense Web GUI and go through the initial installation wizard.



The wizard will first check and confirm your system meets the hardware requirements, and then ask you to select the interfaces you'd like to deploy to and also the database you'd like to use for reporting. I used MongoDB, but I may switch to Elasticsearch as I get more familiar with it.