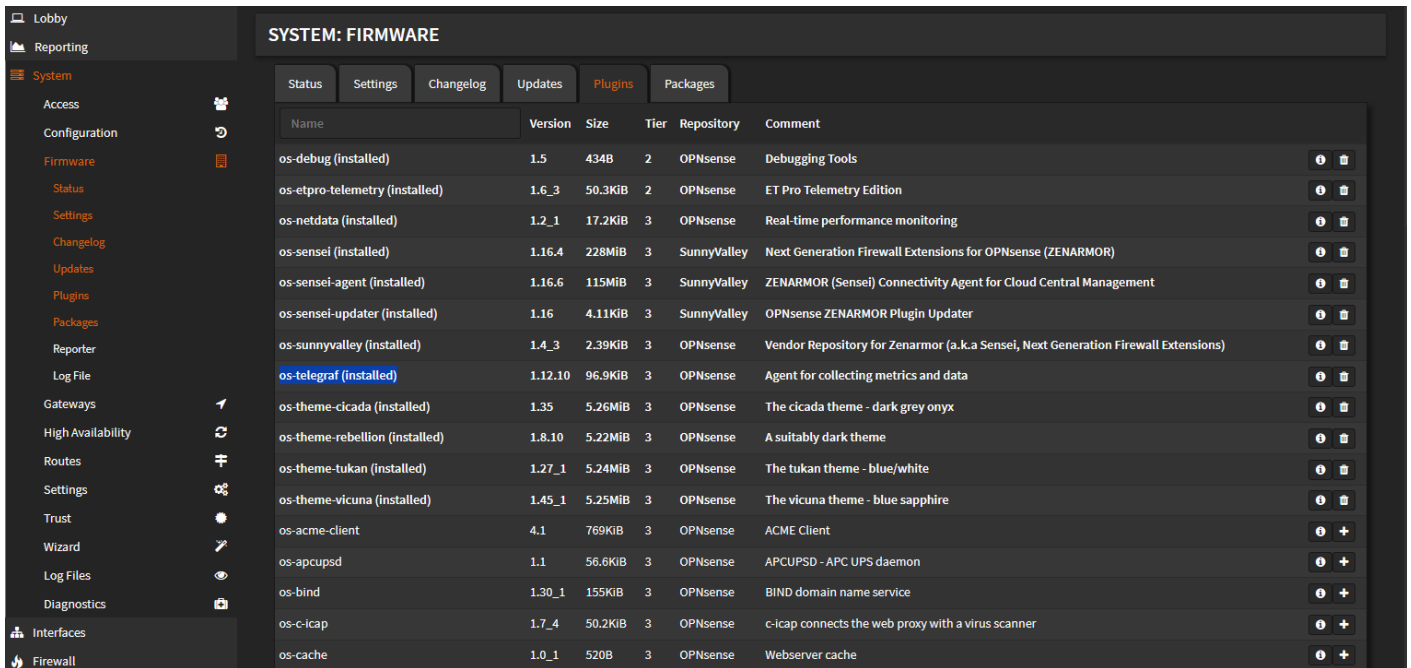


Telegraf Agent --> InfluxDB

With my influxDB + Grafana connection already set up, I just need to create an OPNsense bucket in my InfluxDB container and connect it to a Telegraf agent to my OPNsense set-up.

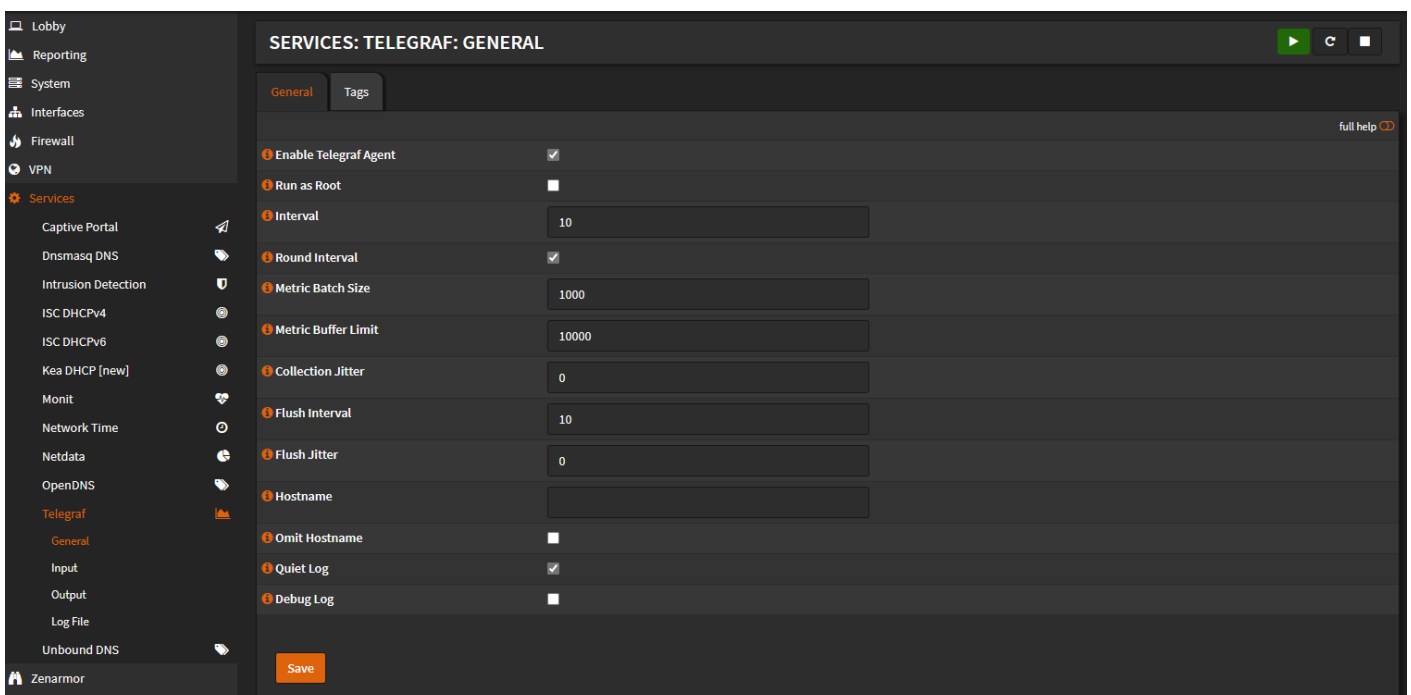
First, download the Telegraf plug in to your OPNsense machine. Navigate to System ---> Firmware ---> Plug-Ins and download Telegraf:



The screenshot shows the OPNsense 'SYSTEM: FIRMWARE' interface, specifically the 'Plug-Ins' tab. A table lists various installed plugins. The 'os-telegraf' plugin is highlighted in blue, indicating it is selected or active. The table columns are Name, Version, Size, Tier, Repository, and Comment.

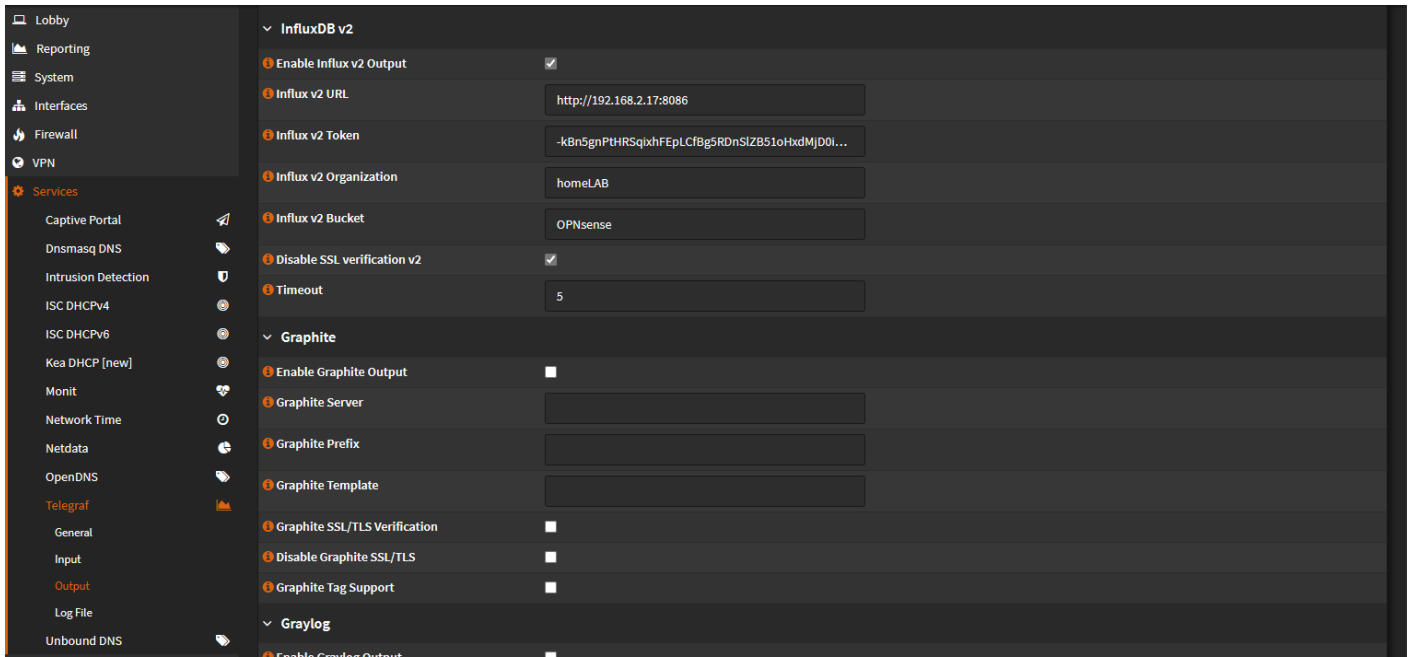
Name	Version	Size	Tier	Repository	Comment
os-debug (installed)	1.5	434B	2	OPNsense	Debugging Tools
os-etpro-telemetry (installed)	1.6_3	50.3KiB	2	OPNsense	ET Pro Telemetry Edition
os-netdata (installed)	1.2_1	17.2KiB	3	OPNsense	Real-time performance monitoring
os-sensei (installed)	1.16.4	228MiB	3	SunnyValley	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
os-theme-cicada (installed)	1.35	5.26MiB	3	OPNsense	The cicada theme - dark grey onyx
os-theme-rebellion (installed)	1.8.10	5.22MiB	3	OPNsense	A suitably dark theme
os-theme-tukan (installed)	1.27_1	5.24MiB	3	OPNsense	The tukan theme - blue/white
os-theme-vicuna (installed)	1.45_1	5.25MiB	3	OPNsense	The vicuna theme - blue sapphire
os-acme-client	4.1	769KiB	3	OPNsense	ACME Client
os-apcupsd	1.1	56.6KiB	3	OPNsense	APCUPSD - APC UPS daemon
os-bind	1.30_1	155KiB	3	OPNsense	BIND domain name service
os-c-icap	1.7_4	50.2KiB	3	OPNsense	c-icap connects the web proxy with a virus scanner
os-cache	1.0_1	520B	3	OPNsense	Webserver cache

Once installed, navigate to Services ---> Telegraf ---> General and enable the agent:

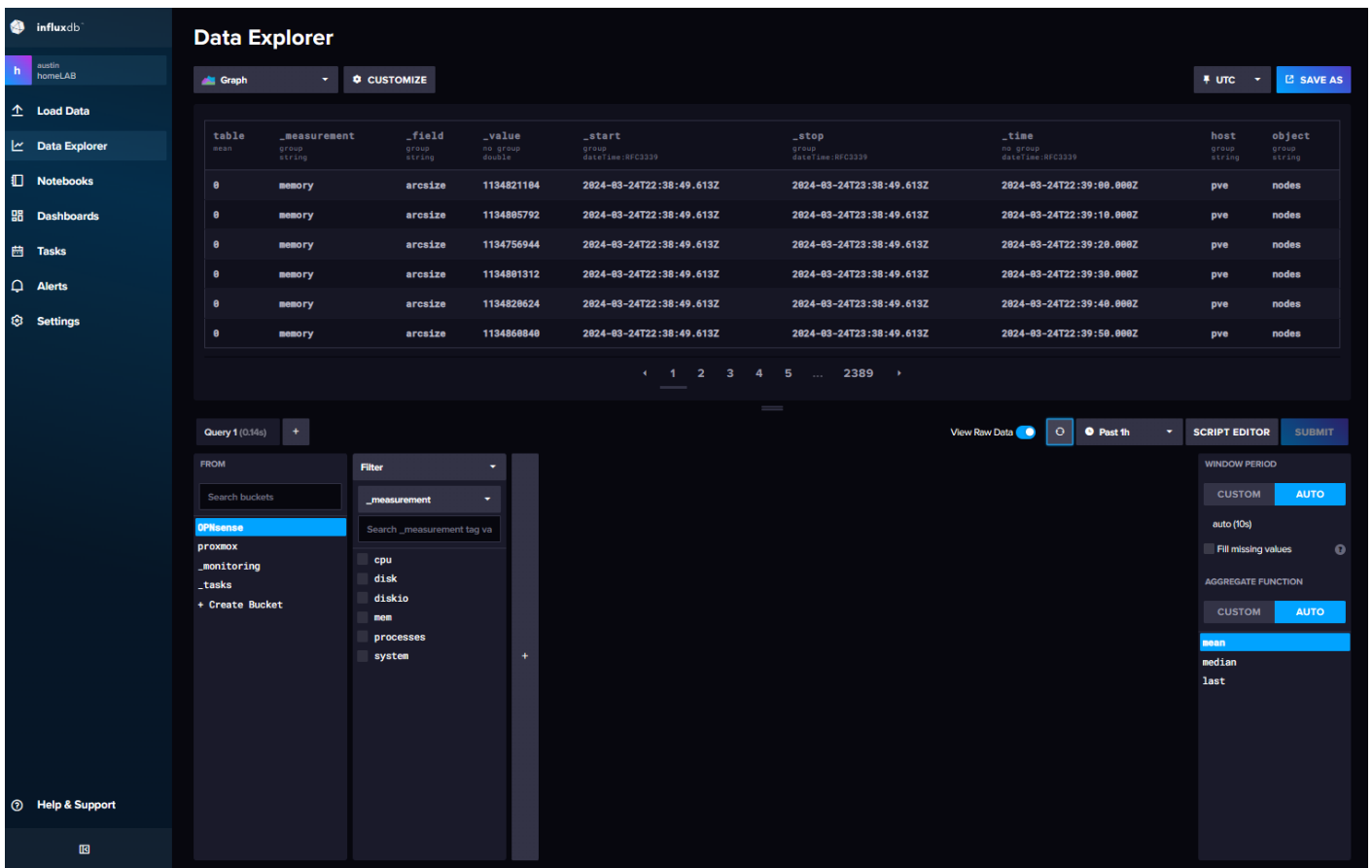


The screenshot shows the OPNsense 'SERVICES: TELEGRAF: GENERAL' configuration page. The 'Enable Telegraf Agent' checkbox is checked. Other settings include 'Run as Root' (unchecked), 'Interval' (10), 'Round Interval' (checked), 'Metric Batch Size' (1000), 'Metric Buffer Limit' (10000), 'Collection Jitter' (0), 'Flush Interval' (10), 'Flush Jitter' (0), 'Hostname' (empty), 'Omit Hostname' (unchecked), 'Quiet Log' (checked), and 'Debug Log' (unchecked). A 'Save' button is visible at the bottom.

Save settings, then navigate to Telegraf ---> Output. Enable and enter connection information for your InfluxDB2 container:



Save settings, then navigate to your influxDB2 GUI and select your bucket to confirm you're receiving data:



All set, you can now start building your dashboard with Grafana!

Revision #3

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