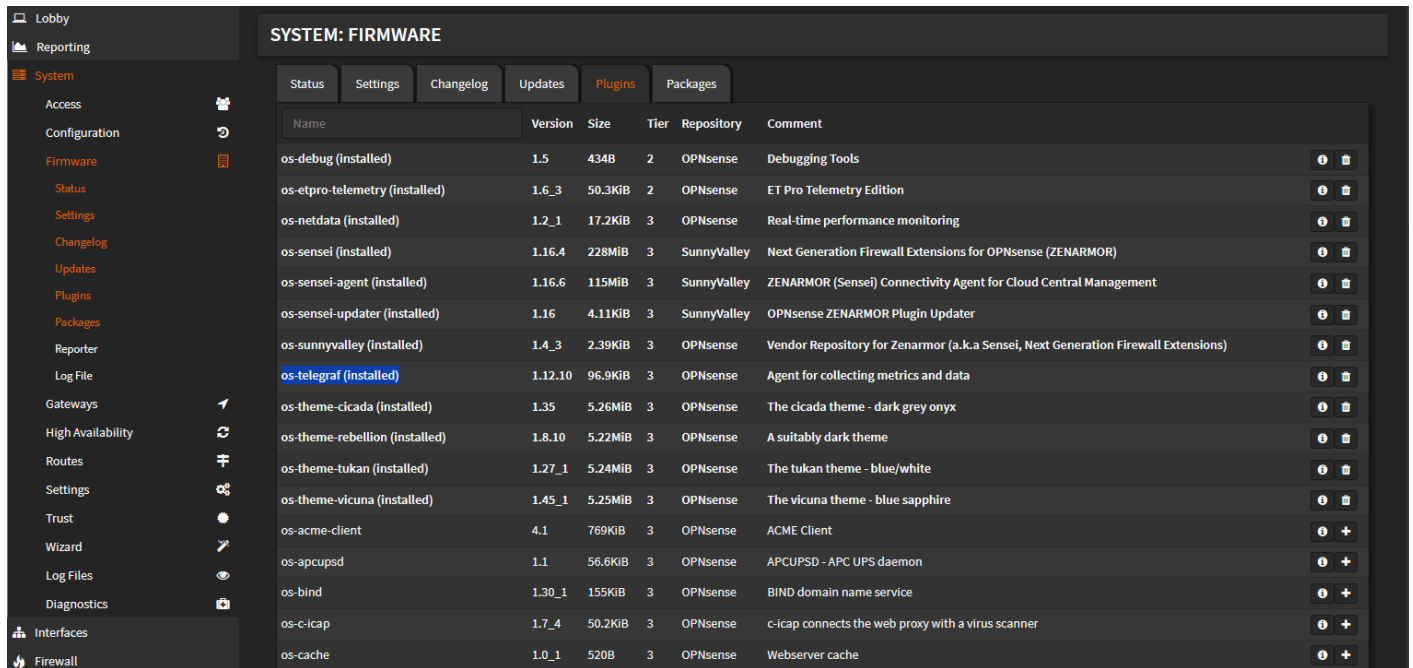


Telegraf Agent --> InfluxDB

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.

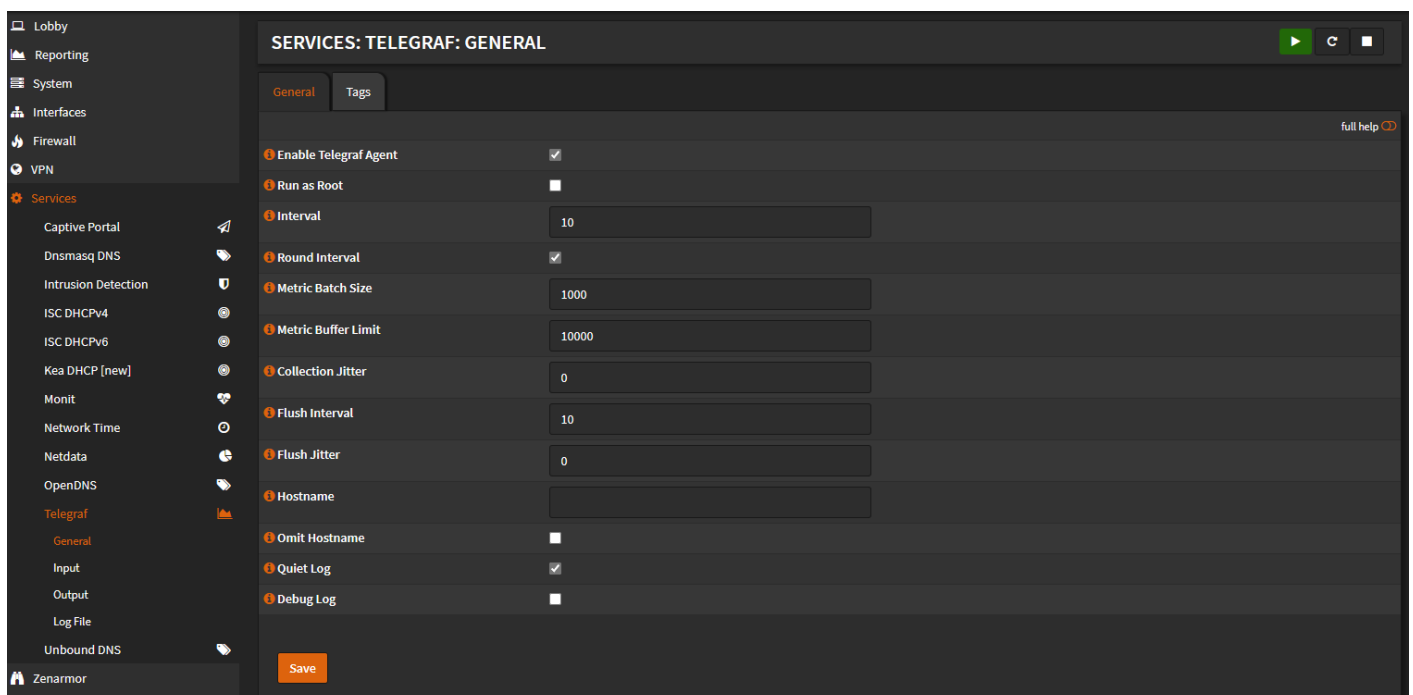
First, download the Telegraf plug in to your OPNsense machine. Navigate to System ---> Firmware ---> Plug-Ins and download Telegraf:



The screenshot shows the OPNsense web interface, specifically the 'SYSTEM: FIRMWARE' section under 'Plugins'. The left sidebar shows the navigation menu with 'System' selected. The main panel displays a table of installed and available plugins. The 'os-telegraf (installed)' plugin is highlighted in blue.

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:

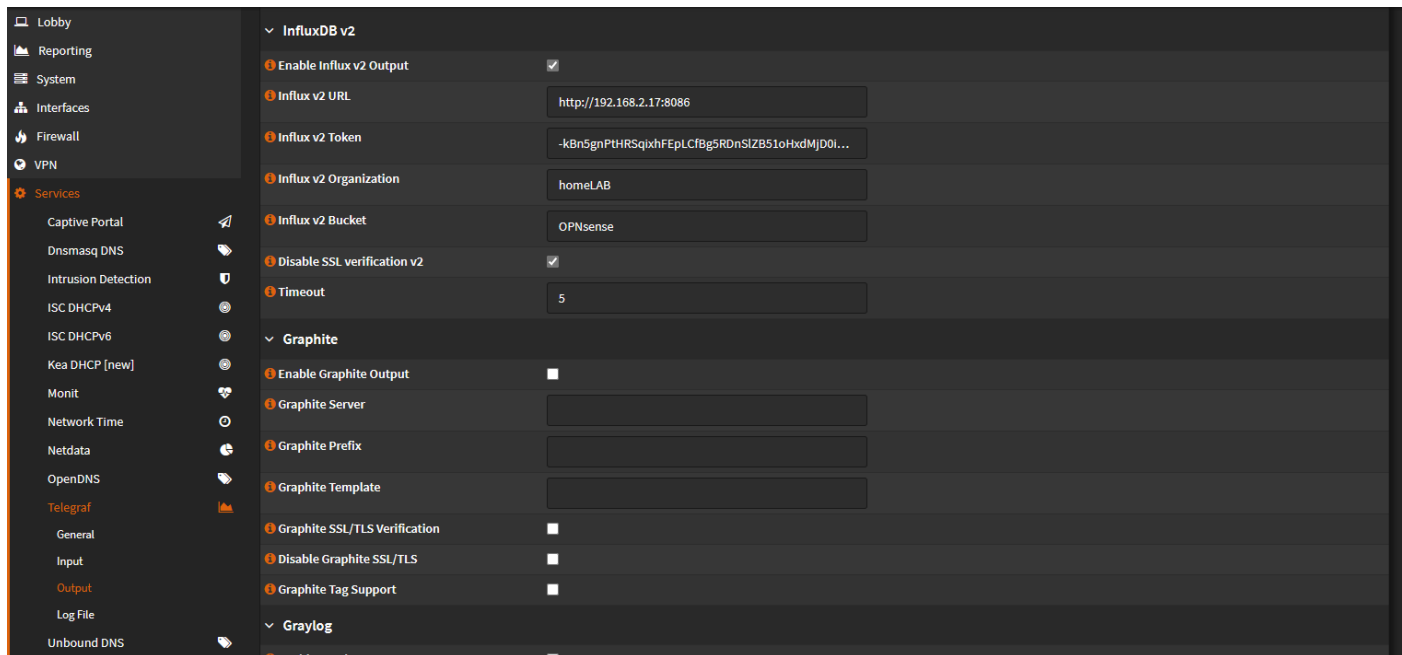


The screenshot shows the OPNsense web interface, specifically the 'SERVICES: TELEGRAF: GENERAL' configuration page. The left sidebar shows the navigation menu with 'Services' selected. The main panel displays the configuration for the Telegraf agent, with the 'General' tab selected. The 'Enable Telegraf Agent' checkbox is checked.

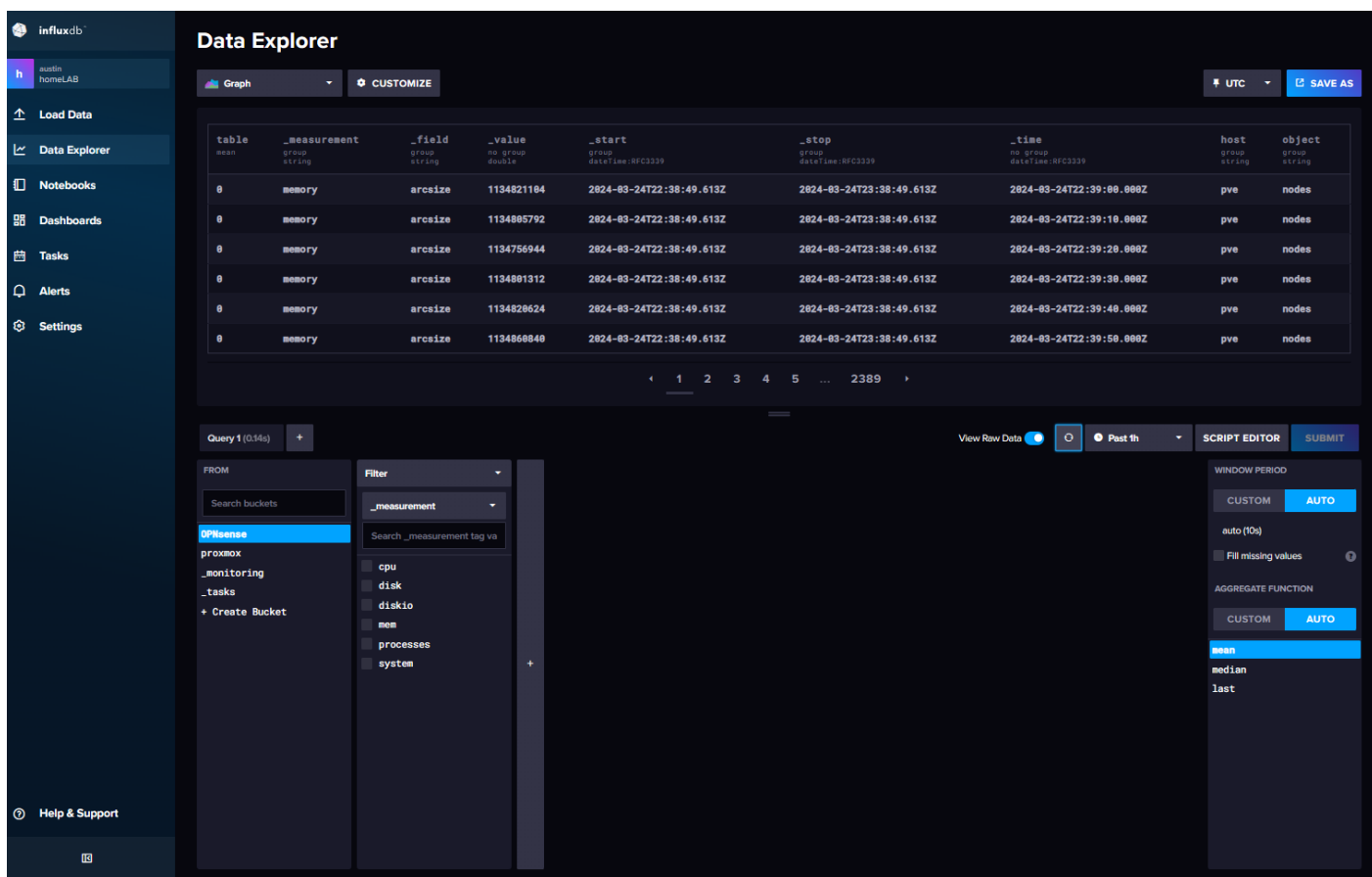
Setting	Value
Enable Telegraf Agent	<input checked="" type="checkbox"/>
Run as Root	<input type="checkbox"/>
Interval	10
Round Interval	<input checked="" type="checkbox"/>
Metric Batch Size	1000
Metric Buffer Limit	10000
Collection Jitter	0
Flush Interval	10
Flush Jitter	0
Hostname	
Omit Hostname	<input type="checkbox"/>
Quiet Log	<input checked="" type="checkbox"/>
Debug Log	<input type="checkbox"/>

Save

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

Created 24 March 2024 23:22:19 by Austin

Updated 25 March 2024 01:24:49 by Austin