

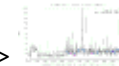
Your pi4 imonitorg/iotsnoop Home Information Page

NOTE: pi4 imonitorg/iotsnoop can ONLY be used behind your home router! APN provided on wifi, routing between wlan0 and eth0

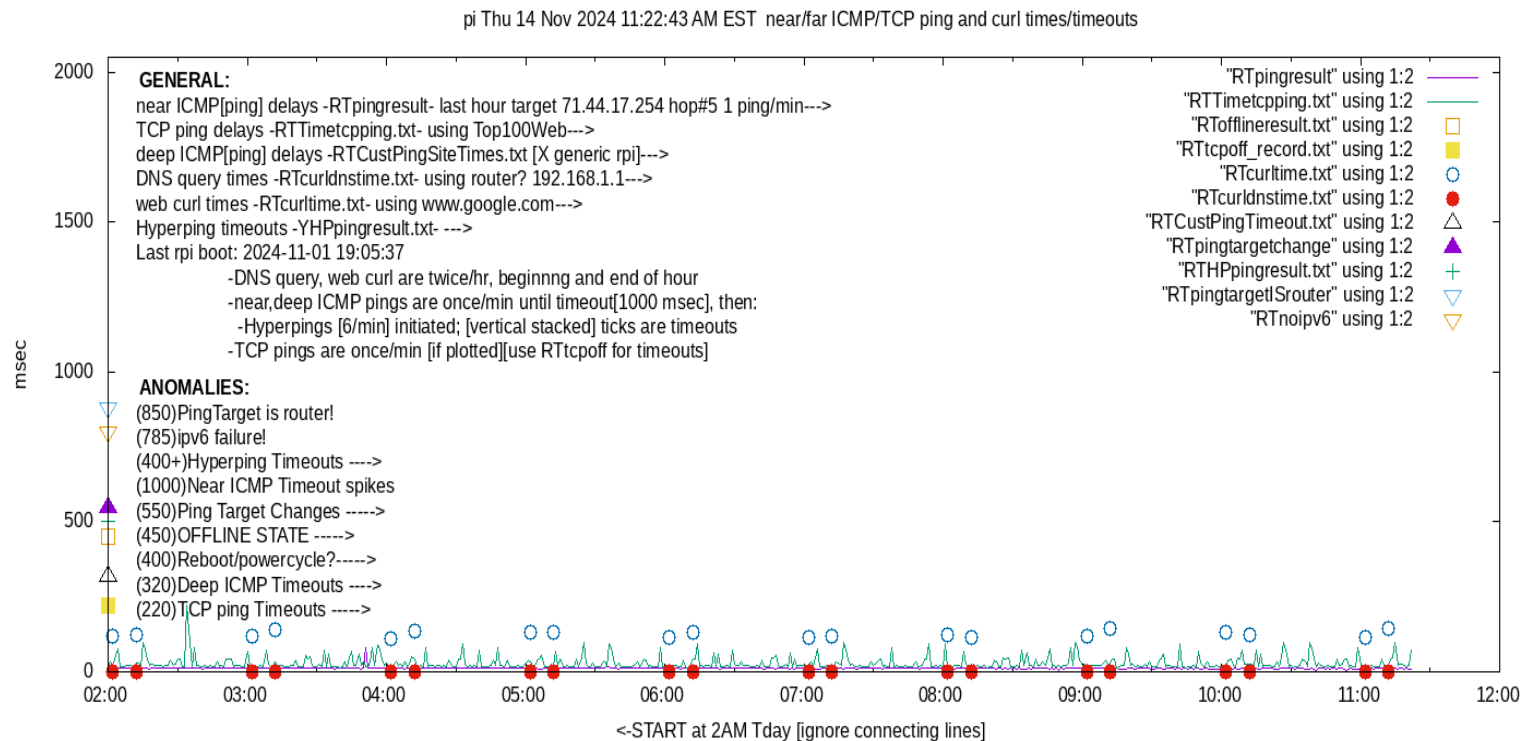
Links: [Manual](#) [QuickData](#) [AllLinks](#) [MainConfig](#) [Mgmt-EmailConfig](#) [IOT wifiAPN-config](#)

[MAIN IOT status/alerts/statistics/interrogation page](#)

Click for separate tab with auto-refreshed display of imonitorg [home-network] stats plot -->

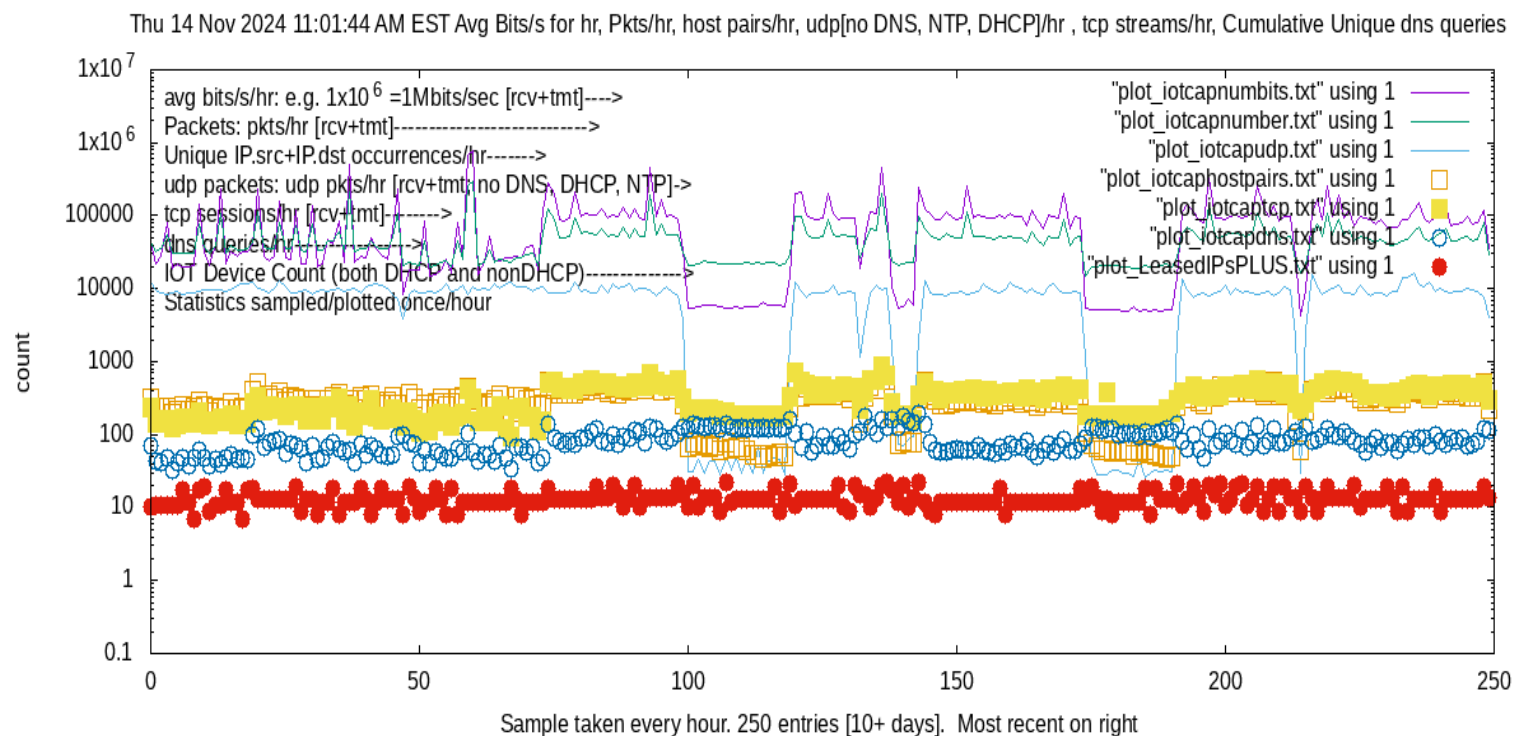


Rolling display of network performance: Near-real time performance ping/etc plots; speedtest archive



Rolling display of IOT activity on wifi APN: data gathered each hour; Avg bit per sec/IPpkts/UDPPkts/IPhost-pairs/TCP-sessions/DNS-queries

NOTE: -----> These two plots will NOT display for pi4s used only as imonitorg performance monitoring



Home and IOT Network performance/info snapshots [refresh page for latest]:

Thu Nov 14 2024 11:19:10 GMT-0500 (Eastern Standard Time)

Default home network path is via ethernet adapter "eth0." IOT devices wifi authenticate to "wlan0" APN

Quick Overall home-network imonitorg and iotsnoop Measurements:

The home-network near/deep ICMP and TCP ping delay plots : Yesterday:

2

<-Custom Plot: Enter Begin Time [2:default 3,4..10,11,23] then Click->

PLOTIT

----->last plot:

----->60 pings/min; last blast:



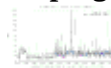
Yesterday TCP ping delay avg 29.29 msec 1372 of 1400 max in 23 hrs < 80 msec is good

NOTE: "TCP ping delay" is delay to "Top100" Web Sites if "AUTO" is selected [default -US sites]

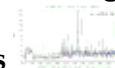
Yesterday [near] ICMP ping delay avg 11.6 < 80 msec is good

Yesterday [deep] ICMP ping delay avg to Customer ping sites [if enabled!]: < 100 msec is good

Archive plot of TCP & ICMP avg ping delays



Archive plot of Speedtest results


 Probe IP addresses on home-network base /24 network [default run at 1AM, 6PM each day] Click-> takes 20 min;

Quick eth0 host info for home network:

[Left] Last Discovery [frequency spec'd by cron]-->Dynamic list of home-network hosts: NEW, GONE, REAPPEARS

[Right] Persistent list of eth0 home-network hosts: Appears 7/10 scans [frequency set by cron]

```
Thu 14 Nov 2024 01:30:01 AM EST----->
GONE host IP on network 01:43:AM: 192.168.1.8
GONE host IP on network 01:43:AM: 192.168.1.45
GONE host IP on network 01:43:AM: 192.168.1.47
GONE host IP on network 01:43:AM: 192.168.1.149
```

```
192.168.1.1
192.168.1.7
192.168.1.15
192.168.1.67
192.168.1.94
192.168.1.95
192.168.1.102
192.168.1.103
192.168.1.113
192.168.1.121
```

"Last Discovery" and "Persistent list" of hosts are guesses. The leased addresses should be noted [hostinfo page]

Quick iotsnoop wlan0 -wifi APN- host info for iot network:

[Left] Last Discovery [frequency spec'd by cron]--> Dynamic list of iot hosts: NEW, GONE, REAPPEARS

[Right] Persistent list of iot hosts: Appears 3/10 scans [frequency set by cron]

NOTE: -----> These stats will NOT display for pi4s used only for imonitorg performance monitoring

Thu 14 Nov 2024 11:01:44 AM EST----->	
GONE iot host IP on network 11:10:AM: 192.168.50.64	192.168.50.10 amazon-9c739f3aa
GONE iot host IP on network 11:10:AM: 192.168.50.77	192.168.50.82 TSTAT-4360
GONE iot host IP on network 11:10:AM: 192.168.50.129	192.168.50.104
GONE iot host IP on network 11:10:AM: 192.168.50.179	192.168.50.108 amazon-9c739f3aa
	192.168.50.112 Ting-5F-BB
	192.168.50.124 EX6100v2
	192.168.50.128 blink-sync-module
	192.168.50.144 orig-pi0
	192.168.50.145 Johns-Mac-mini
	192.168.50.170 ecoflow
	192.168.50.181 amazon-9c739f3aa

"Last Discovery" and "Persistent" lists are guesses. The leases table should always be considered [iothostinfo page]

Additional imonitorg host/network info

Additional Host/network info for main home-network ethernet /24 network -legacy imonitorg info

Additional iotsnoop host/network info ->MAIN IOT page<-

Use this link for all IOT monitoring, interrogation Additional IOT Host/network info for wifi APN /24 network "iotsnoop" APN

NOTE: -----> This info will NOT display for pi4s used only as imonitorg performance monitoring

[imonitorg/iotsnoop configuration](#)

Setup home-network imonitorg ping/misc parameters; "imonitorg" scripts will run without setup, but can be changed here.
Daily summary email uses gmail relay [your gmail account must be enabled for 2FA. ---see mgmt for gmail config]

[iotsnoop IOT wifi APN configuration](#)

Wifi APN is running by default with SSID/KEY as iotsnoopg/iotsnoop.

Wifi APN is set to offer only 2.4GHz 802.11g -50Mb/s- your IOT should not be using bandwidth in any case!
Implementation Details are on this [page link](#).
IPv6 has been disabled on wlan0, forcing IOT to use only ipv4

[imonitorg detailed data](#)

Historical data and plots

[imonitorg/iotsnoop management](#)

Setup gmail 2FA key, username, email for daily email. "imonitorg" will run in standalone [SA] mode on boot without additional setup.
There is no -non email- communication to any cloud server in SA mode. All data/stats/plots available on local pi4 webserver.
"Mgmt" is not generally configurable for generic iotsnoop pi4s [previous incarnation was a managed service]
Use the GUI to setup the gmail ENABLE and the ULTIMATE email [whom gmail relays TO].

**As root, you can then edit /etc/nullmailer/remotes file and set the username, passwd with your gmail username/obtained key
As of v1.2, you must edit the remotes file; there is no web entry**

Imonitor/iotsnoop web reference -