Telemetry Data

https://campus.barracuda.com/doc/79463312/

To be able to continuously update and improve frequently used features based on real-world data, the Barracuda CloudGen WAN appliances send performance and usage data to the Barracuda telemetry servers. After collecting data, the CloudGen WAN appliance starts one attempt to update the telemetry data via an HTTPS connection. If the connection to the server fails, no further attempts are made until the next day. A copy of all parameters sent to the telemetry server is logged every time an update is initiated in `/var/phion/preserve/telemetry/report.txt`.

Barracuda Telemetry Server

- airlock.nap.aws.cudaops.com

Telemetry Parameter List

Name	Key	Value Type	Description
General Information			
Serial Number	serial	Number	Serial number of the box
MAC Address	mac	MAC address (hex format)	MAC address used for the license
Model	appliance	Type	The appliance type, e.g., T100 for a CloudGen WAN T100 or VT1500 for a virtual appliance VT1500
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Virtual Subtype	virt_subtype	Type	Information about the hypervisor
DevMap	devmap	Text	Device mapping

Number of CPUs	numcpu	Number	Number of CPUs
Memory Usage	memory	Percent	Percent of used memory
Swap Usage	swap	Percent	Percent of used swap memory
Average CPU Load	cpu	Float	15-Minute CPU average load at the moment of collecting the data
Used Firmware Partition	diskfirmware	Percent	Allocation of partition "/" in percent
Used Data Partition	diskdata	Percent	Allocation of partition "/phion0" in percent
Firmware Version	firmware	Version String	Version of the CloudGen WAN firmware software
Hotfixes	hotfixes	String	Name of installed hotfixes.
Uptime	uptime	Seconds	Box uptime in seconds
Box location	country	Location	Location of the box if configured
Stand-Alone / Centrally Managed	mcmanaged	Yes / No	Is box managed by a control center
EU Expiration Date	euexpiration	Date	Expiration Date of Energize Updates
EU Status	eustate	Status	Status of Energize Updates
License Status	licstatus	Status	Status of the license
Firewall Insights Configured	fwinsights_configured	Yes / No	Is Firewall Insights configured
Firewall Insights Licensed	fwinsights_licensed	Yes / No	Is Firewall Insights licensed
Virtual WAN for Azure Cloud	azurevwan_configured	Yes / No	Is vWAN for Azure Cloud enabled
Class	class	number	Always 22

Web User Interface	ismanagedbywebui	Yes / No	Is Web UI enabled
Kernel Architecture	kernelarchitecture	String	Kernel Architecture
Metered Cloud Device	metered_ng	Yes / No	Is the appliance a metered cloud appliance
Time	server_timestamp	Time	Current time as Unix timestamp
Telemetry configuration	telemetry_amount	String	Minimal or full telemetry
Virtual Routing and Forwarding	vrf	Number	Number of VRF instances in use

Services

App Control	appcontrol	Status	Shows the status of Application Control (license and activation)
SSL Inspection	sslice	Enabled / Disabled	SSL Inspection for firewall service enabled
Port Protocol Protection	protocolprotection	Enabled / Disabled	Is protocol protection in the firewall service enabled
Google Safe Search	safesearch	Enabled / Disabled	Google Safe Search enabled
YouTube for Schools	ytforschools	Enabled / Disabled	YouTube for schools enabled
URL Filter	cofs	Enabled / Disabled	Web filter service enabled
Clam AV Virus Scanner	clamav	Enabled / Disabled	Clam AV Scanner enabled
Avira Virus Scanner	avira	Enabled / Disabled	Avira AV Scanner enabled
Virus Scanner	virscan	Enabled / Disabled	AV Scanner service installed
Virus Scan in Firewall	fwavscan	Enabled / Disabled	AV Scan used in access rule(s)
HTTP Proxy	proxy	Enabled / Disabled	HTTP proxy service installed

HTTP Proxy mode	proxymode	Reverse / Forward / Transparent	HTTP Proxy mode
Proxy SSL Inspection	squidbump	Enabled / Disabled	SSL Intercept mode from proxy service enabled
DHCP Enterprise	dhcpe	Enabled / Disabled	DHCP Enterprise service installed
DHCP Relay	dhcprelay	Enabled / Disabled	DHCP relay service installed
SSH Proxy	sshprx	Enabled / Disabled	SSH proxy service installed
FTP Gateway	ftpgw	Enabled / Disabled	FTP Gateway service installed
OSPF Routing	ospf	Enabled / Disabled	OSPF service installed
Mail Gateway	mailgw	Enabled / Disabled	Mail Gateway service installed
SPAM Filter	spamfilter	Enabled / Disabled	Spam filter service installed
DNS Service	dns	Enabled / Disabled	DNS service installed
DNS Health Probes	dns_healthprobes	Number	Number of configured health probes
DNS Primary Zones	dns_master_zones	Number	Number of configured primary zones
DNS Records	dns_records	Number	Number of configured records
Split DNS	dns_split_dns	Enabled / Disabled	Split DNS enabled
IPS	ips	Enabled / Disabled	IPS detection enabled
IPS Report-Only Mode	ipsreportonly	Enabled / Disabled	IPS report-only mode enabled
IPS Scan Mode	ipsscanmode	Full / Fast / Auto	IPS scan mode

Stream Reassembly	streamreassmbly	Yes / No / Auto	Mode of the stream reassembly for the firewall service
RPC Tracking	rpc	Enabled / Disabled	RPC tracking enabled
Guest Access	guestaccess	Enabled / Disabled	Guest access enabled
Audit Log	audit	Enabled / Disabled	Firewall Audit logging enabled
Audit Type	audittype	String	Audit log handling
Fwaudit Service	ccfwaudit	Enabled / Disabled	Fwaudit service enabled
Fwaudit Service	fwaudit	Enabled / Disabled	Fwaudit service enabled
RCS	rcs	Enabled / Disabled	Version Control System for the Configuration enabled
IPFIX Streaming	ipfixstream	Enabled / Disabled	IPFIX streaming enabled
Syslog Streaming	syslogstream	Enabled / Disabled	Syslog streaming enabled
SNMP Service	snmp	Enabled / Disabled	SNMP service installed
QoS	qos	Enabled / Disabled	Quality of Service (Shaping) enabled
App-Based Provider Selection	appbasedprovider	Enabled / Disabled	Enables/Disables the provider (ISP) selection based on the application detection (e.g., Facebook uses ISP1 and Google uses ISP2)
SIP Proxy	sipproxy	Enabled / Disabled	SIP proxy service installed
TCP Proxy	tcpproxy	Enabled / Disabled	TCP proxy for firewall service enabled
VPN Service	vpnserver	Enabled / Disabled	VPN service installed

Wi-Fi Service	wlan	Enabled / Disabled	Wi-Fi service enabled
Firewall			
Number of Access Rules	fwrulesenable	Number	Number of forwarding access rules
Number of Application Rules	apprulesenable	Number	Number of application rules
Number of Network Objects	netobjs	Number	Number of network objects in the forwarding firewall
Number of App Objects	appobjs	Number	Number of application objects in the forwarding firewall
Number of URL Filter Objects	urlcatpolicys	Number	Number of URLCAT policies configured in the forwarding firewall
Number of Connection Objects	connectionobjs	Number	Number of connection objects in the forwarding firewall
Dynamic Bandwidth Traffic Duplication	connobj_dynbw_duplicate	Enabled / Disabled	Dynamic bandwidth traffic duplication enabled
Dynamic Bandwidth Policy	connobj_dynbw_policy	Number	Dynamic bandwidth policy: Bandwidth, Latency, Quality, Upstream, Downstream, None
VPN Transport Selection	connobj_vpnroutes	Number	VPN transport selection information: Quality, Bulk, Fallback, BestBandwidth, BestLatency, BestQuality

Traffic Statistics	dtv_bytesfwd	Number	Bytes forwarded in 24 hours
Traffic Statistics	dtv_bytesin	Number	Incoming bytes in 24 hours
Traffic Statistics	dtv_bytesout	Number	Outgoing bytes in 24 hours
Forwarding Firewall	firewall	Enabled / Disabled	Forwarding firewall enabled
AV Service BATP	fwatd	Enabled / Disabled	AV Service BATP enabled
Number of Schedule Objects	schedules	Number	Number of time schedule objects in the forwarding firewall
Number of Proxy ARP Objects	proxyarpobjs	Number	Number of proxy ARP objects in the forwarding firewall
Number of Generic IPS Patterns	genipspattern	Number	Number of generic IPS patterns in the forwarding firewall
Number of Bridge Groups	bridginggroups	Number	Number of bridge groups in the forwarding firewall
NAC Service	policyserver	Enabled / Disabled	NAC service enabled
Active Protected IPs	protIP_active	Number	Number of active protected IPs
Licensed Protected IPS	protIP_licensed	Number	Number of licensed protected IPS
URL Categorization	urlcat	Enabled / Disabled	URL categorization enabled
VPN			
Mobile Portal	vpn_mobile_portal	Enabled / Disabled	VPN Mobile Portal enabled
Mobile App Access	vpn_mobile_app_access	Enabled / Disabled	VPN Mobile App Access enabled
Number of Web Forwards	vpn_web_forwards	Number	Number of the VPN web forwards
Number of Apps	vpn_applications	Number	Number of VPN applications

Number of VPN Profiles	vpn_profiles	Number	Number of VPN profiles
VPN Clients			
Number of Client-to-Site Tunnels	vpn_client2site_tunnels	Number	Number of all Client-to-Site tunnels
Number of Client-to-Site Tunnels with Windows Clients	vpn_client2site_windows	Number	Number of Client-to-Site tunnels with Windows clients
Number of Client-to-Site Tunnels with Mac Clients	vpn_client2site_mac	Number	Number of Client-to-Site tunnels with Mac clients
Number of Client-to-Site Tunnels with Linux Clients	vpn_client2site_linux	Number	Number of Client-to-Site tunnels with Linux clients
Number of Client-to-Site Tunnels with BSD Clients	vpn_client2site_bsd	Number	Number of Client-to-Site tunnels with BSD clients
Number of Client-to-Site Tunnels with Android Clients	vpn_client2site_android	Number	Number of Client-to-Site tunnels with Android clients
Number of Client-to-Site Tunnels with IPsec Clients	vpn_client2site_ipsec	Number	Number of Client-to-Site tunnels with IPsec clients
Number of Client-to-Site Tunnels with L2TP Clients	vpn_client2site_l2tp	Number	Number of Client-to-Site tunnels with L2TP clients
Number of Client-to-Site Tunnels with PPTP Clients	vpn_client2site_pptp	Number	Number of Client-to-Site tunnels with PPTP clients
VPN Tunnels			
Dynamic Path Selection (SD-WAN)	vpn_dynamic_path_selection	Enabled / Disabled	Indicates if at least one VPN tunnel uses SD-WAN

Dynamic VPN Routing	vpn_dynamic_vpn_routing	Enabled / Disabled	Shows if dynamic routing via VPN tunnels is enabled
WAN Opt	vpn_wanopt	Enabled / Disabled	Shows if WAN optimization is enabled for the VPN service
SSL VPN	vpn_sslvpn	Enabled / Disabled	Shows if SSL VPN is enabled for the VPN service
Single Routing Table	vpn_single_routing_table	Enabled / Disabled	Shows if the VPN routes are added to the main routing table, or if separate routing tables are used
Dyn Mesh	vpn_dynamic_mesh	Enabled / Disabled	Shows if Dyn Mesh is enabled for the VPN service
Number of IPsec Site-to-Site Tunnels	vpn_site2site_tunnels_ipsec	Number	Number of site-to-site tunnels with IPsec
Number of TINA Site-to-Site Tunnels	vpn_site2site_tunnels_tina	Number	Number of site-to-site tunnels with TINA
Number of TINA Site-to-Site Transports	vpn_site2site_tunnels_tina_transports	Number	Number of site-to-site TINA VPN transports
Number of Down Site-to-Site Tunnels	vpn_site2site_tunnels_down	Number	Number of site-to-site TINA VPN transports or IPsec tunnels that are currently down (for whatever reason)
Number of VPN Tunnels with Enabled Dynmesh	vpn_site2site_tunnels_dynmesh_enabled	Number	Number of VPN tunnels with enabled dynmesh
Number of SD-WAN-VPN Tunnels with Enabled Dynmesh	vpn_site2site_tunnels_sdwan_dynmesh_enabled	Number	Number of SD-WAN-VPN tunnels with enabled dynmesh

Number of SD-WAN-VPN Tunnels	vpn_site2site_tunnels_sdwan_enabled	Number	Number of SD-WAN-VPN tunnels
Number of Connected SSL-VPN Clients	vpn_sslvpn_clients	Number	Number of connected SSLVPN clients

Authentication

DC Client	auth_dcclient	Enabled / Disabled	Authentication via DC Agent / DC Client enabled/disabled
TS Agent	auth_tsclient	Enabled / Disabled	Authentication via TS Agent / TS Client enabled/disabled
Wi-Fi AP	auth_wifiap	Enabled / Disabled	Authentication via Wi-Fi access point enabled/disabled

Networking

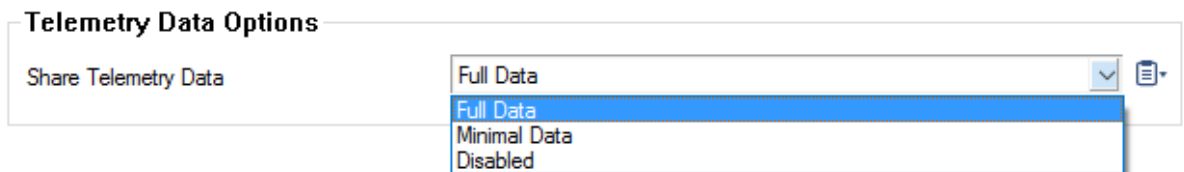| 3G (UMTS)	net_umts	Enabled / Disabled	Is UMTS setup enabled or disabled
xDSL	net_dsl	Enabled / Disabled	Is DSL connection enabled or disabled
Barracuda DSL Modem	net_barracuda_dsl_mode	bridgemode / advancedmode	How is the Barracuda DSL Modem configured
	net_barracuda_dsl_wan1	Enabled / Disabled	Is DSL/WAN1 enabled or disabled
	net_barracuda_dsl_wan2	Enabled / Disabled	Is WAN2 enabled or disabled
DHCP	net_dhcp	Enabled / Disabled	Is DHCP connection enabled or disabled
Wi-Fi	wifi	Enabled / Disabled	Is Wi-Fi connection enabled or disabled

HA	net_ha	Enabled / Disabled	Is HA setup enabled or disabled
IPv6	net_ipv6	Enabled / Disabled	Is IPv6 setup enabled or disabled
Percentage of Network Ports Used	net_portusedperc	Percent	Percentage of network ports used
Number of VLANs	net_vlans	Number	Number of VLANs used on the box
Number of Ethernet Bonds	net_bonds	Number	Number of bonded network ports
Number of Uplinks	net_portused	Number	Number of network ports in use
SSD			
Media Wearout Level of disk Number <n>	ssd<n>_wearout	Number	Normalized value indicating the sanity of the SSD (Intel SSDs) disk number <n>: 100=brand new; 1=worn out
Endurance Level of disk Number <n>	ssd<n>_endurance	Number	Normalized value indicating the prospective lifetime of the SSD (Innodisk SSDs) disk number <n>: 0=brand new; 100=at the end of the lifetime as defined by the manufacturer

Enable / Disable Telemetry Data

Sending usage statistics aids in future product planning. You can enable or disable the sending of usage statistics.

1. Go to **CONFIGURATION > Configuration Tree > Box > Administrative Settings**.
2. In the left menu, click **Telemetry Data**.

3. Click **Lock**.
4. In the **Telemetry Data Options** section, select one of the following options:
   - **Full Data**
   - **Minimal Data**
   - **Disabled** (This option is not available for firewalls in the public cloud).

5. (optional) If you want the firewall to log submitted telemetry values, then activate the check box for **Log Telemetry Data**.
6. Click **Send Changes** and **Activate**.

Figures

1. t_data.png