Outlook

Informes y Acta de facturación Marzo 2026 _190-CNT2507-184_UNE EPM TELECOMUNICACIONES

Desde Jorge Andrés Gallego Londoño <jorge_gallego@corantioquia.gov.co>
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Radicado por: Manuela Cardona Cano

Buenos días compañeros,

Por favor nos colaboran con la radicación de los informes y acta de facturación del mes de Marzo de 2026 del contrato 190-CNT2507-184 suscrito con UNE EPM TELECOMUNICACIONES S.A.

Gracias.

Cordialmente,

Jorge Andrés Gallego Londoño
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CORANTIOQUIA

De: Gestion de Conciliaciones de Facturacion <GestiondeConciliacionesdeFacturacion@tigo.com.co>
Enviado el: martes, 7 de abril de 2026 3:42 p. m.
Para: Jorge Andrés Gallego Londoño <jorge_gallego@corantioquia.gov.co>
CC: Diego Alejandro Madrid Roman <Diego.Madrid@tigo.com.co>; Diego Alejandro Madrid Roman <Diego.Madrid@tigo.com.co>
Asunto: Acta de facturación TIGO - ID: 1790 contrato: AM-1369277

tigo business

Aprobación de acta de facturación

Estimado(a) **CORPORACION AUTONOMA REGIONAL DEL CENTRO DE ANTIOQUIA**,

La facturación del periodo **2026-03** correspondiente al contrato **AM-1369277** está lista para su revisión.

Total sin impuestos: COP 27.420.213

Total con impuestos: COP 32.630.053

Por favor seleccione una opción para continuar con el proceso:

✅ Aprobar ❌ Rechazar

⚠ Por favor responda únicamente con "Aprobado" o "Rechazado". No reenvíe este correo. Envíe su respuesta directamente desde los botones anteriores.

Diego Alejandro Madrid Roman
Dirección Experiencia y Transformación B2B
Vp.Negocio Empresas y Gobierno

Diego.Madrid@tigo.com.co



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ACTA FACTURACIÓN CLIENTE B2B

Nombre del Cliente	CORPORACION AUTONOMA REGIONAL DEL CENTRO DE ANTIOQUIA
NIT Cliente	811000231
Número de Contrato TIGO	AM-1369277
Número de Contrato Cliente	AM-1369277
Nombre Ejecutivo de Servicio	Diego Alejandro Madrid Roman
Correo Ejecutivo de Servicio	Diego.Madrid@tigo.com.co

Tipo de facturación	Conciliación
Número de cuenta (AWS)	
Periodo de consumo	2026-03
Moneda	COP
TRM (Opcional)	

DETALLE DE SERVICIOS A FACTURAR

""

N°	Concepto	IVA (%)	Cantidad	Valor unitario antes de impuestos	Impuesto al consumo	Valor total antes de impuestos	Valor total después de impuestos
1	Internet dedicado sede Principal	19%	1	6.965.185		6.965.185	8.288.570
2	SDWAN - Canales dedicados 8 sedes	19%	1	20.455.028		20.455.028	24.341.483
					TOTAL FACT:	**27.420.213**	**32.630.053**

*La facturación del periodo **2026-03** que se generará para el contrato No. **AM-1369277;** tiene un acta aprobada por los siguientes valores:*

*Total sin Impuestos: **COP 27.420.213***

*Total con Impuestos: **COP 32.630.053***

Detalles adicionales
—

El prestador de servicio, así como sus adicionales, complementarios o suplementarios es UNE EPM TELECOMUNICACIONES S.A / NIT.900.092.385-9 SOMOS AUTORRETENEDORES Cra. 16 No. 11A Sur - 100. Código Postal 050022 / Sede Principal Los Balsos Medellín – Colombia (Resolución No. 07239 de julio 4 de 2006) / GRANDES CONTRIBUYENTES - AGENTES RETENEDORES DE IVA / FECHA DE EXPEDICIÓN 2020/07/03

CLIENTE: CORPORACION AUTONOMA REGIONAL DEL CENTRO DE ANTIOQUIA

CC/NIT: 8110002317

DIRECCIÓN: CR 65 # 44A 32

MUNICIPIO: MEDELLIN / ANTIOQUIA

MES CONSUMO: MARZO 2026

Descripción	Meses	Cantidad	Valor Mensual Antes de IVA
SDWAN sede Principal Medellin	12	1	$ 4.956.434
SDWAN Caucasia	12	1	$ 2.122.750
SDWAN Santa rosa de osos	12	1	$ 2.168.508
SDWAN Andes	12	1	$ 1.990.720
SDWAN Santa Fe de Antioquia	12	1	$ 2.122.750
SDWAN Jericó	12	1	$ 1.990.720
SDWAN Santa Elena	12	1	$ 1.862.425
SDWAN Vegachí	12	1	$ 1.990.720
SDWAN El Bagre	12	1	$ 1.250.000
Internet Dedicado 300 Mbps Sede Principal	12	1	$ 6.965.185
Total			**$ 27.420.212**
IVA			**$ 5.209.840**
TOTAL + IVA			**$ 32.630.053**
Moneda			**Pesos Colombianos (COP)**

FORTINET | FortiAnalyzer

Detailed Application Usage and Risk

Report Date: April 1, 2026 10:19

Data Range: 2026-03-01 00:00:00 2026-03-31 23:59:59COT



Table of Contents

Risk 5: Botnet 2
- Session History Graph 2
- Application Bandwidth Usage 2
- Botnet C&C Usage Detected by DNS Filtering 2

Risk 5: Proxy Avoidance 3
- Session History Graph 3
- Application Bandwidth Usage 3

Risk 4: Peer To Peer 4
- Session History Graph 4
- Application Bandwidth Usage 4

Risk 4: Remote.Access 5
- Session History Graph 5
- Application Bandwidth Usage 5

Risk 3: Email 6
- Session History Graph 6
- Application Bandwidth Usage 6

Risk 3: Storage and Backup 8
- Session History Graph 8
- Application Bandwidth Usage 9

Risk 2: General Access Categories 10
- Session History Graph 10
- Application Bandwidth Usage 10

Risk 1: Reduced Risk Categories 16
- Session History Graph 16
- Application Bandwidth Usage 17

Browser Usage Breakdown 18
- Application Bandwidth Usage 18

Appendix A 19
- Devices (10) 19

Risk 5: Botnet

Applications in this category are known as botnets - that is, malware that communicates with command and control servers on the public Internet and may perform malicious functions including but not limited to mass mailing, DDoS attacks or data exfiltration. This application control category generally detects and may log or block the command and control traffic.

The presence of entries in this list indicates that the target environment may have Botnet infections and while FortiGate can effectively block attempts to communicate to C&C servers, it would be highly recommended to identity the botnet traffic sources in order to clean the infected hosts. This can be done by enabling an event handler to flag botnet detection incidents or by filtering the logs using "appcat=Botnet".

Sample applications in this category include:

- Zeroaccess.Botnet
- Andromeda.Botnet
- Jeefo.Botnet
- Cryptolocker.Botnet
- Torpig.Mebroot.Botnet

For more information, visit http://www.fortiguard.com.

Session History Graph

No matching log data for this report

Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

No matching log data for this report

Note: The above list presents the application ***combined total usage*** *for the time period of this report.*

Botnet C&C Usage Detected by DNS Filtering

No matching log data for this report

Risk 5: Proxy Avoidance

Applications in this category are known to be used to bypass content control and security solutions like FortiGate. These applications are commonly used to anonymize Internet browsing activities and/or bypass Internet filtering controls, with the goals ranging from browsing normally blocked content or conducting malicious activities.

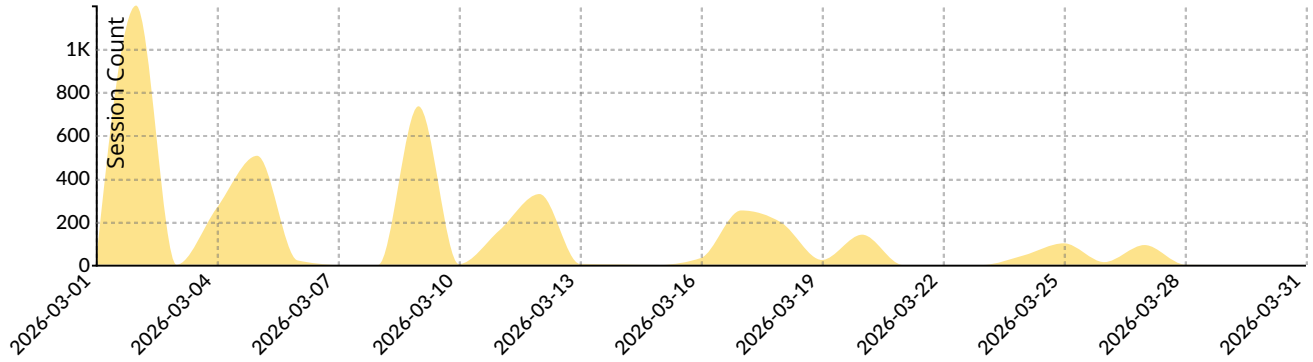
The presence of entries in this list indicates that the target environment may have users or malware actively using proxy evasion tools. While these may be blocked by your policy, it would usually be a good practice to review why the offending sources are making use of these tools as they may either violate the organization's code of conduct or may be used by malware to bypass internet filtering controls.

Sample applications in this category include:

- Freegate.Searching
- Tor
- Ultrasurf
- Hotspot.Shield
- Psiphon3

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	Proxy.HTTP	Blocked	1.39 MB	289
2	OpenVPN	Blocked	752.76 KB	3,783
3	SkyVPN	Blocked	53.99 KB	6
4	Psiphon	Blocked	23.53 KB	12
5	Pure.VPN	Blocked	13.27 KB	2
6	SOCKS5	Blocked	752 B	4

Note: The above list presents the application ***combined total usage*** *for the time period of this report.*

Risk 4: Peer To Peer

Applications in this category are peer to peer applications. The vast majority of applications in this category tend to be used for file exchanges and/or to maintain decentralized data exchange networks. Common risks associated with peer to peer applications include the legal implications of allowing piracy (common over many peer to peer networks) along with the generally high bandwidth consumption and session rates generated by these applications.

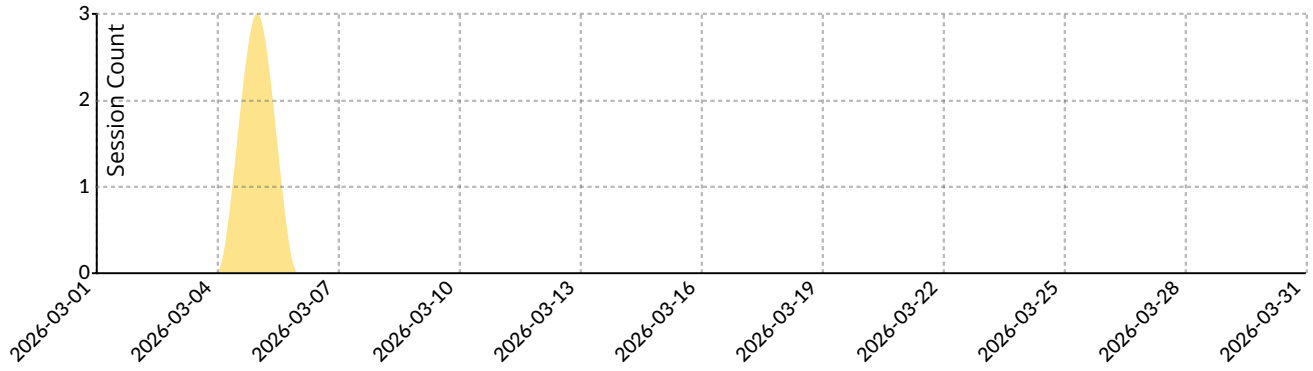
The presence of entries in this list, depending on the applications identified, may warrant investigation. FortiGate may be configured to block applications found to be used for file piracy or that are resulting in bandwidth abuse.

Sample applications in this category include:

- BitTorrent_HTTP.Track
- BitTorrent_Sync
- Ares

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	BitTorrent	Blocked	26.43 KB	3

Note: The above list presents the application ***combined total usage*** *for the time period of this report.*

Risk 4: Remote.Access

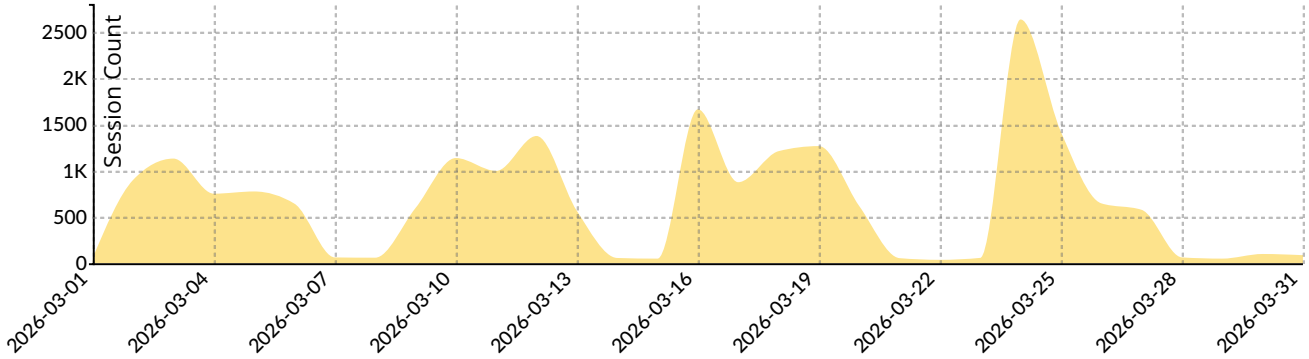
Applications in this category are used as remote access tools, either by using various VPN techniques (such as OpenVPN) or by having software installed to provide screen sharing (such as TeamViewer). These applications present a level of risk due to their use not being commonly sponsored by the organization. Because their data is typically encrypted, it evades common threat inspection such as what is offered by FortiGate and as such, limiting their use to groups of individuals that legitimately need them is common best practice.

Sample applications in this category include:

- Teamviewer
- RDP
- LogMeIn
- GoToMyPC
- VNC

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	AnyDesk	Allowed	1.14 GB	20,480
2	Microsoft.Quick.Assist	Allowed	13.89 MB	32

Note: The above list presents the application ***combined total usage*** *for the time period of this report.*

Risk 3: Email

Applications in this category are used for email purposes. This category contains both common email transport protocols (like POP3, SMTP and IMAP) along with a number of common cloud email provider services.

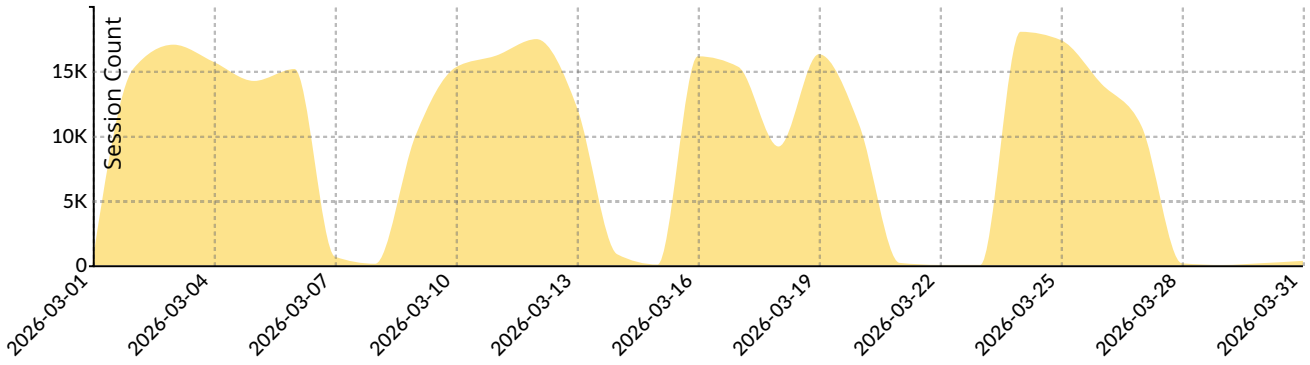
Email inherits intermediate risk ratings given that on one end, its use is commonly allowed on corporate network while on the other end, email is and remains one of the primary threat vectors for malware infections. Most of the protocols in this category can be decrypted effectively, making inspection of the exchanged content and files usually effective.

Sample applications in this category include:

- IMAPS, IMAP
- Gmail, Yahoo.Mail
- SMTP, SMTPS
- POP3, POP3S
- Outlook.Web.App

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	Microsoft.Outlook	Allowed	103.23 GB	249,974
2	Gmail	Allowed	9.13 GB	25,623
3	SMTPS	Allowed	541.36 MB	583
4	Yahoo.Mail	Allowed	124.31 MB	1,409
5	IMAPS	Allowed	2.17 MB	52
6	Mail.Ru	Allowed	1.47 MB	87
7	SMTP	Allowed	1.31 MB	1,283
8	Mailchimp	Allowed	1.11 MB	50
9	Yesware	Allowed	348.89 KB	32
10	Mailjet	Allowed	103.63 KB	8
11	Mail.Ru_Mail	Allowed	48.75 KB	1
12	Microsoft.Outlook.Web.App	Allowed	5.08 KB	2

*Note: The above list presents the application **combined total usage** for the time period of this report.*

Risk 3: Storage and Backup

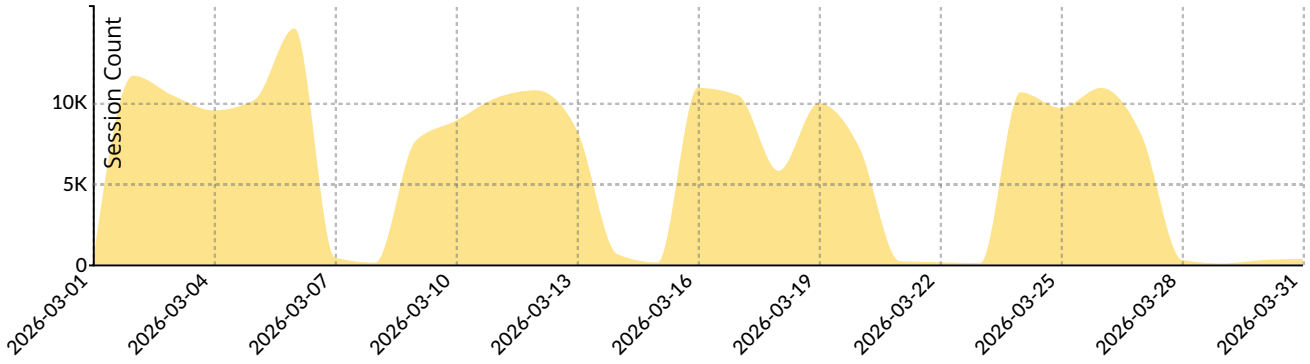
Applications in this category are used for storage and backup purposes, with a number of popular applications being cloud providers. These applications are commonly found on organizational networks, but their use is commonly not sponsored, especially for cloud providers. Furthermore, a number of cloud provider desktop software uses hardcoded trust authorities, rendering decryption impossible which results in having to make a policy call of either to allow or deny these applications with no possibility of decrypting their content. It is recommended to followup with users that are found to heavily use cloud storage providers if their use is not sponsored - their use may present various risks, ranging from poor credential security to replication of corporate sensitive data on non-corporate, insecure assets (e.g. home computers).

Sample applications in this category include:

- Dropbox, OneDrive
- iCloud
- NFS, Rsync

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	OneDrive	Allowed	83.19 GB	86,721
2	Google.Cloud.Storage	Allowed	68.63 GB	561
3	Google.Drive	Allowed	3.41 GB	7,058
4	Acrobat.Cloud	Allowed	2.92 GB	64,462
5	iCloud	Allowed	2.00 GB	22,454
6	Dropbox	Allowed	820.66 MB	564
7	Google.Photos	Allowed	579.06 MB	1,709
8	Github	Allowed	130.92 MB	414
9	WeTransfer	Allowed	118.19 MB	264
10	Samsung.Cloud	Allowed	94.17 MB	2,207
11	Scribd	Allowed	23.17 MB	210
12	Slideshare	Allowed	13.01 MB	56
13	Adobe.Creative.Cloud	Allowed	6.02 MB	353
14	iCloud	Blocked	5.84 MB	1,209
15	GitLab	Allowed	1.06 MB	12
16	Mendeley	Allowed	50.53 KB	4

*Note: The above list presents the application **combined total usage** for the time period of this report.*

Risk 2: General Access Categories

(Game, Collaboration, Social.Media, Video/Audio, Voip, Industrial, General.Interest, Network.Service, Web.Client)

Applications in these categories are commonly seen on corporate networks and are unlikely - to a few exceptions - to present a security threat to the organization. They may however result in loss productivity and/or excessive bandwidth consumption, hence it is advisable to review the top bandwidth consuming applications in these categories periodically to ensure their usage is not the result of misconduct or genuine threats.

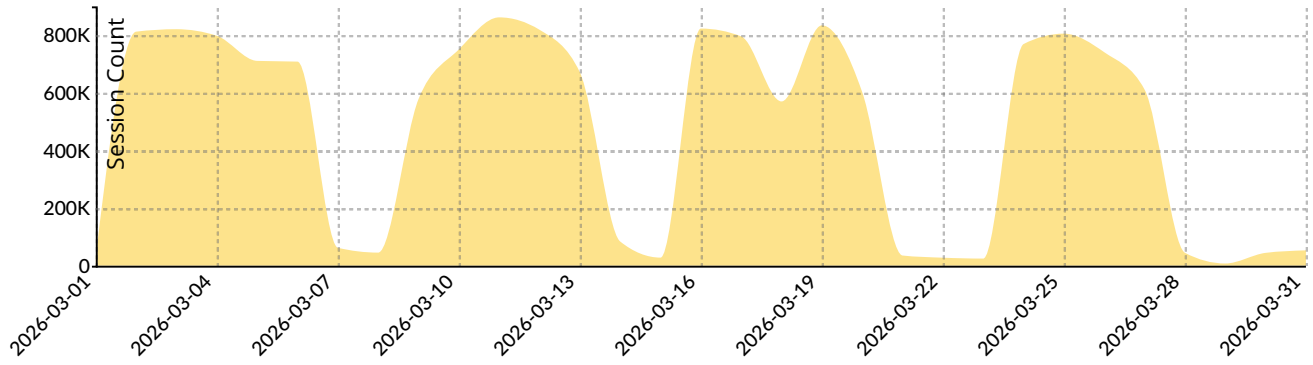
Of note within these applications are DNS and SSL. Statistically excessive DNS traffic may be indicative of botnet traffic or DoS attacks, whereas the risks associated with SSL are bound to the fact that this traffic is not currently decrypted by FortiGate and may therefore be used maliciously.

Sample applications in these combined categories:

- DNS, SSL, NBSS, ICMP,OCSP
- Facebook, Twitter, Pinterest, LinkedIn
- Youtube, HTTP.Video, HTTP.Audio

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	Microsoft.365.Portal	Allowed	800.05 GB	1,982,661
2	YouTube	Allowed	460.71 GB	189,501
3	Microsoft.SharePoint	Allowed	330.89 GB	587,845
4	Google.Services	Allowed	288.10 GB	1,663,812
5	Facebook	Allowed	222.51 GB	156,949
6	SSL_TLSv1.3	Allowed	130.22 GB	779,754
7	Microsoft.Portal	Allowed	101.41 GB	2,794,603
8	SSL_TLSv1.3.PQC	Allowed	76.53 GB	347,259
9	SSL_TLSv1.2	Allowed	69.04 GB	892,130
10	WhatsApp_File.Transfer	Allowed	57.58 GB	98,360
11	TikTok	Allowed	57.52 GB	64,719
12	Microsoft.Teams_Video	Allowed	51.15 GB	517

#	Application	Action	Bytes	Session Count
13	QUIC	Allowed	49.46 GB	148,080
14	Microsoft.Teams	Allowed	48.33 GB	550,502
15	WhatsApp	Allowed	39.31 GB	125,257
16	Twitter	Allowed	32.33 GB	9,423
17	Microsoft.Loop	Allowed	32.07 GB	89,916
18	Adobe.Web	Allowed	26.11 GB	322,012
19	Microsoft.Authentication	Allowed	23.75 GB	692,934
20	Spotify	Allowed	21.52 GB	38,542
21	Google.Accounts	Allowed	13.05 GB	270,108
22	DTLS	Allowed	12.32 GB	960
23	WhatsApp_Web	Allowed	12.00 GB	164,209
24	Google.Docs	Allowed	11.86 GB	10,252
25	STUN	Allowed	11.21 GB	6,233
26	Disney+	Allowed	10.52 GB	893
27	Apple.Store	Allowed	8.56 GB	11,656
28	Google.Ads	Allowed	8.33 GB	232,968
29	Microsoft.Teams_Audio	Allowed	7.85 GB	402
30	HTTP.Segmented.Download	Allowed	6.77 GB	1,579
31	HTTP.Download.Accelerator	Allowed	6.60 GB	738
32	Steam	Blocked	6.38 GB	1,056,282
33	Facebook_Video.Play	Allowed	6.31 GB	2,063
34	Google.Play	Allowed	5.97 GB	97,094
35	Amazon.Services	Allowed	5.94 GB	7,730
36	Citrix.Services	Allowed	5.15 GB	203
37	Apple.Services	Allowed	4.57 GB	21,450
38	Zoom	Allowed	4.43 GB	1,585
39	WhatsApp_VoIP.Call	Allowed	4.17 GB	4,560
40	HTTP.BROWSER	Allowed	3.70 GB	35,440
41	Google.Chat	Allowed	2.46 GB	3,507
42	Instagram	Allowed	2.12 GB	18,707
43	Reddit	Allowed	1.99 GB	2,214
44	Pinterest	Allowed	1.32 GB	3,397
45	SSL	Blocked	1.24 GB	207,029
46	Zoom_Meeting	Allowed	1.24 GB	449
47	ArcGIS	Allowed	1.19 GB	5,010
48	Vimeo	Allowed	1.13 GB	275
49	Google.Chat_Video.Call	Allowed	1.12 GB	105
50	Skype.Portals	Allowed	1.06 GB	82,243
51	LinkedIn	Allowed	842.29 MB	8,163
52	ISAKMP	Allowed	753.39 MB	14,971
53	Microsoft.Forms	Allowed	741.28 MB	7,085
54	Windows.Push.Notification	Allowed	601.52 MB	31,113
55	Apple.Maps	Allowed	566.04 MB	9,037
56	Google.Meet	Allowed	487.93 MB	1,691
57	Google.Push.Notification	Allowed	452.36 MB	31,307
58	YouTube_Music	Allowed	444.37 MB	743
59	Yahoo.Services	Allowed	393.56 MB	8,486
60	Snapchat	Allowed	365.23 MB	1,113
61	Microsoft.PowerApps	Allowed	350.16 MB	380
62	Amazon.Ads	Allowed	323.57 MB	14,010

#	Application	Action	Bytes	Session Count
63	HTTP.BROWSER_Chrome	Allowed	314.33 MB	2,847
64	Microsoft.Store	Allowed	313.73 MB	12,639
65	CNN	Allowed	312.01 MB	666
66	Google.Messaging	Allowed	221.24 MB	4,781
67	Netflix	Allowed	219.67 MB	865
68	MQTT	Allowed	203.97 MB	468
69	SSL_TLSv1.1	Allowed	195.26 MB	9,070
70	Telegram	Allowed	190.74 MB	771
71	Apple.Push.Notification	Allowed	175.17 MB	3,425
72	Google.Data.Saver	Blocked	173.03 MB	24,396
73	RTCP	Allowed	155.98 MB	5
74	Ping	Allowed	143.95 MB	394,267
75	Yandex	Allowed	122.72 MB	1,777
76	DNS.Over.HTTPS	Allowed	117.11 MB	6,158
77	Google.Translate	Allowed	101.32 MB	2,069
78	Zello	Allowed	94.98 MB	3,101
79	Google.Calendar	Allowed	93.87 MB	1,281
80	HTTP.Video	Allowed	89.12 MB	24
81	NTLM.HTTP	Allowed	81.96 MB	2,599
82	SSL_TLSv1.0	Allowed	77.81 MB	1,522
83	New.York.Times	Allowed	77.76 MB	195
84	Microsoft.OneNote	Allowed	74.19 MB	5,550
85	Viva.Engage	Allowed	68.57 MB	882
86	SSL	Allowed	61.77 MB	20,173
87	Teredo	Allowed	59.76 MB	6,774
88	Microsoft.CDN	Allowed	46.99 MB	2,348
89	gRPC	Blocked	45.31 MB	29,534
90	Disqus	Allowed	38.58 MB	2,251
91	Wikipedia	Allowed	34.49 MB	220
92	Avast.Service	Allowed	33.49 MB	2,669
93	GoToMeeting	Allowed	33.06 MB	520
94	GoToWebinar	Allowed	32.63 MB	228
95	SoundCloud	Allowed	31.46 MB	229
96	HTTP.BROWSER_Firefox	Allowed	26.88 MB	4,143
97	SAP.Concur	Allowed	25.16 MB	519
98	BBC	Allowed	20.75 MB	291
99	HTTP.BROWSER_Edge	Allowed	20.60 MB	360
100	Google.Services	Blocked	20.49 MB	3,336
101	DNS.Over.TLS	Allowed	19.51 MB	2,811
102	Quora	Allowed	18.51 MB	96
103	Waze	Allowed	16.80 MB	25
104	Siri	Allowed	15.47 MB	1,533
105	RT.Noticias	Allowed	15.37 MB	32
106	Google.Translate_Websites	Allowed	15.16 MB	450
107	Apple.Messages	Allowed	13.96 MB	695
108	rednote	Allowed	13.19 MB	39
109	Epic.Games	Blocked	12.14 MB	2,190
110	Truecaller	Allowed	12.09 MB	1,338
111	OCSP	Allowed	11.35 MB	2,996

#	Application	Action	Bytes	Session Count
112	Dailymotion	Allowed	10.24 MB	556
113	WebSocket	Allowed	9.88 MB	83
114	Yahoo.Finance	Allowed	9.18 MB	29
115	Yahoo.Search	Allowed	9.13 MB	168
116	Xbox	Blocked	9.11 MB	1,460
117	DNS	Allowed	9.00 MB	55,340
118	Blogger	Allowed	8.62 MB	435
119	Microsoft.365	Allowed	8.17 MB	250
120	Realtor.Com	Allowed	8.00 MB	26
121	Baidu.Services	Allowed	7.62 MB	315
122	Imgur	Allowed	7.56 MB	55
123	ESP.UDP	Allowed	7.06 MB	10
124	Yandex.Maps	Allowed	6.52 MB	22
125	Kuaishou	Allowed	5.45 MB	273
126	IMDB	Allowed	5.15 MB	63
127	Traceroute	Allowed	5.06 MB	4,622
128	Monero.Cryptocurrency.Miner	Allowed	4.99 MB	2,536
129	SSL_TLSv1.3	Blocked	4.82 MB	1,141
130	NetFlow	Allowed	4.59 MB	3
131	NetBIOS.Name.Service	Allowed	4.10 MB	1,839
132	Duolingo	Allowed	3.98 MB	152
133	Atlassian.Cloud	Allowed	3.95 MB	5
134	NTP	Allowed	3.79 MB	21,355
135	UEFA	Allowed	3.44 MB	11
136	Microsoft.URL.Shortener	Allowed	3.18 MB	321
137	HTTP.Audio	Allowed	2.94 MB	3
138	Tencent.Services	Allowed	2.94 MB	204
139	Washington.Post	Allowed	2.88 MB	5
140	Bilibili	Allowed	2.74 MB	89
141	TuneIn	Allowed	2.63 MB	46
142	Yahoo.Accounts	Allowed	2.50 MB	172
143	Brightcove	Allowed	2.19 MB	70
144	Intel.Services	Allowed	2.06 MB	173
145	Taobao	Allowed	1.87 MB	130
146	WebSocket	Blocked	1.82 MB	780
147	Amazon.Mobile	Allowed	1.67 MB	19
148	Microsoft.ToDo	Allowed	1.66 MB	78
149	Prezi	Allowed	1.57 MB	39
150	Sina.Weibo	Allowed	1.50 MB	110
151	Discord	Allowed	1.43 MB	107
152	Tumblr	Allowed	1.40 MB	58
153	Univision	Allowed	1.35 MB	4
154	Microsoft.Portal	Blocked	1.30 MB	143
155	Flickr	Allowed	1.28 MB	15
156	VSCO	Allowed	1.22 MB	24
157	Apple.Game.Center	Blocked	1.13 MB	174
158	Amazon.Video	Allowed	1.04 MB	41
159	Dell.Service	Allowed	1,023.37 KB	29
160	HBO.Max	Allowed	1,009.17 KB	12

#	Application	Action	Bytes	Session Count
161	SNMP_V3	Allowed	1,006.03 KB	1,024
162	MPTCP	Allowed	954.84 KB	79
163	Apple.Services	Blocked	864.21 KB	158
164	DeviantArt	Allowed	813.39 KB	14
165	GRE	Allowed	784.44 KB	1,860
166	Eventbrite	Allowed	727.16 KB	1
167	SHOUTcast	Allowed	698.97 KB	2
168	QUIC	Blocked	628.99 KB	68
169	Google.Data.Saver	Allowed	601.13 KB	8
170	Google.Groups	Allowed	469.45 KB	3
171	WeChat	Allowed	444.03 KB	26
172	WHOIS	Allowed	440.43 KB	135
173	MLB.com	Allowed	422.89 KB	28
174	Last.FM	Allowed	365.16 KB	9
175	Deezer	Allowed	358.17 KB	1
176	DuckDuckGo.Search	Allowed	330.37 KB	8
177	IHeartRadio	Allowed	274.31 KB	3
178	FC2	Allowed	255.90 KB	30
179	Bitly	Allowed	253.67 KB	27
180	Mail.Ru_Moimir	Allowed	211.12 KB	2
181	Wattpad	Allowed	157.67 KB	1
182	Shazam	Allowed	153.81 KB	11
183	Adobe.Web	Blocked	149.36 KB	22
184	Vkontakte	Allowed	141.66 KB	13
185	HTTP.BROWSER	Blocked	137.48 KB	29
186	Douban	Allowed	121.33 KB	6
187	SNMP_GetRequest	Allowed	120.55 KB	5
188	Playstation.Network	Blocked	118.36 KB	20
189	SNMP_GetNextRequest	Allowed	117.46 KB	2
190	SNMP_Trap	Allowed	115.89 KB	20
191	Sina.Services	Allowed	105.50 KB	8
192	HTTP.BROWSER_IE	Allowed	94.92 KB	90
193	HTTP.BROWSER_Safari	Allowed	93.26 KB	8
194	WeChat_Web	Allowed	90.56 KB	3
195	ROBLOX	Blocked	69.64 KB	8
196	HM	Allowed	57.81 KB	4
197	HTTP.BROWSER_Chrome	Blocked	51.38 KB	14
198	QQ_Music	Allowed	44.77 KB	3
199	Youdao	Allowed	44.00 KB	3
200	Naver.Line	Allowed	40.71 KB	4
201	5ch	Allowed	39.37 KB	3
202	DNS_Dynamic.Update	Allowed	37.67 KB	140
203	Zhihu	Allowed	36.64 KB	3
204	Twitch	Allowed	36.45 KB	3
205	gRPC	Allowed	29.73 KB	3
206	SSL_TLSv1.2	Blocked	29.25 KB	9
207	Youku	Allowed	27.74 KB	2
208	Flipp	Allowed	27.03 KB	2
209	Odnoklassniki	Allowed	21.06 KB	2
210	FC2	Blocked	20.49 KB	3

#	Application	Action	Bytes	Session Count
211	Naver.Blog	Allowed	19.60 KB	2
212	HTTP.BROWSER_Opera	Allowed	18.22 KB	7
213	Facebook_Messenger.VoIP.Call	Allowed	14.40 KB	2
214	Stream.Media	Allowed	12.90 KB	1
215	Vine	Allowed	10.30 KB	1
216	Toutiao	Allowed	9.30 KB	1
217	Wikidot	Allowed	8.91 KB	2
218	Sohu	Allowed	8.69 KB	1
219	Unreal.Engine	Blocked	8.34 KB	1
220	LDAP	Allowed	8.18 KB	17
221	Craigslist	Allowed	7.95 KB	11
222	Battle.Net	Blocked	7.32 KB	1
223	Docker	Allowed	7.03 KB	1
224	Signal.Private.Messenger	Allowed	7.01 KB	2
225	Slack	Allowed	6.52 KB	1
226	5ch	Blocked	6.20 KB	1
227	Blogger	Blocked	5.79 KB	4
228	Aruba.PAPI	Allowed	5.67 KB	1
229	Microsoft.RPC	Allowed	5.37 KB	4
230	NNTP	Allowed	3.95 KB	1
231	HTTP.Segmented.Download	Blocked	2.91 KB	1
232	Syslog	Allowed	2.83 KB	23
233	HTTP.BROWSER_Firefox	Blocked	2.49 KB	1
234	BOOTP	Allowed	2.36 KB	2
235	Windows.File.Sharing	Allowed	2.18 KB	6
236	HTTP.BROWSER_Safari	Blocked	2.12 KB	1

*Note: The above list presents the application **combined total usage** for the time period of this report.*

Risk 1: Reduced Risk Categories

(Business, Update)

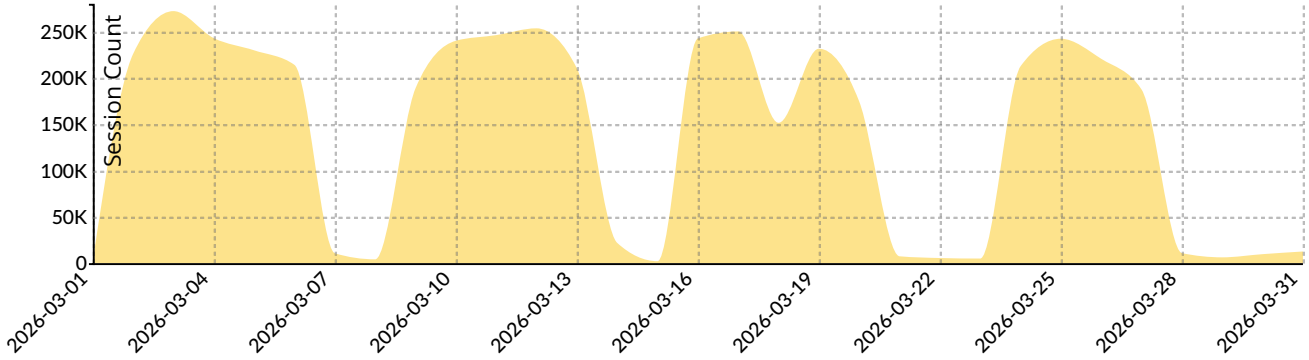
Applications in these categories have been identified as being purely related to business conduct or software updates and as such, their risk level are low.

Sample applications in these combined categories:

- MS.Windows.Update, Google.Chrome.Update, Firefox.Update
- Oracle.TNS, MySQL, Google.Analytics

For more information, visit http://www.fortiguard.com.

Session History Graph



Note: The above graph presents the application category's usage during the time period category, ***hourly****, up to a maximum resolution of 20 days (500 time periods).*

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	Adobe.Update	Allowed	65.60 GB	13,523
2	Microsoft.Windows.Update	Blocked	46.74 GB	4,177,865
3	Google.Analytics	Allowed	5.09 GB	51,393
4	Sophos.Update	Allowed	1.30 GB	25,472
5	Root.Certificate.URL	Allowed	909.70 MB	38,024
6	Shopify	Allowed	622.88 MB	1,183
7	UserVoice	Allowed	442.52 MB	5,025
8	Microsoft.Power.BI	Allowed	218.16 MB	244
9	Bitdefender.Update	Allowed	179.50 MB	557
10	Alibaba	Allowed	175.08 MB	2,288
11	Microsoft.Azure.Application.Insights	Allowed	174.92 MB	806
12	Dynatrace	Allowed	134.14 MB	5,407
13	Apple.Software.Update	Allowed	43.57 MB	3,075
14	New.Relic	Allowed	32.30 MB	1,104
15	Uber	Allowed	31.74 MB	40
16	Microsoft.Office.Update	Allowed	24.35 MB	66
17	Zoho	Allowed	23.56 MB	903
18	GetResponse	Allowed	22.20 MB	1,623
19	Firefox.Update	Allowed	18.88 MB	2,504
20	Arkoselabs.Captcha	Allowed	15.90 MB	16
21	Bitdefender.Service	Allowed	15.07 MB	1,409
22	Hubspot	Allowed	13.20 MB	1,002
23	Crashlytics	Allowed	12.07 MB	1,387
24	PayPal	Allowed	6.33 MB	49
25	Avast.Update	Allowed	4.61 MB	36
26	Yelp	Allowed	3.43 MB	33
27	Salesforce	Allowed	2.47 MB	97
28	Zendesk	Allowed	1.22 MB	104
29	Alipay	Allowed	850.67 KB	82
30	McAfee.Update	Allowed	635.12 KB	59
31	Google.Classroom	Allowed	351.00 KB	24
32	Splunk.Cloud	Allowed	293.21 KB	22
33	Google.Surveys	Allowed	104.91 KB	3
34	ActiveCampaign	Allowed	58.45 KB	5
35	Tencent.Beacon	Allowed	31.04 KB	4
36	Microsoft.Product.Activation	Allowed	22.88 KB	1
37	TrendMicro.Update	Allowed	17.66 KB	2
38	JotForm	Allowed	12.33 KB	1
39	Microsoft.Windows.Update	Allowed	11.42 KB	3
40	Grab	Allowed	8.53 KB	1

*Note: The above list presents the application **combined total usage** for the time period of this report.*

Browser Usage Breakdown

Application Bandwidth Usage

#	Application	Action	Bytes	Session Count
1	HTTP.BROWSER	Allowed	3.70 GB	35,440
2	HTTP.BROWSER_Chrome	Allowed	314.33 MB	2,847
3	Google.Data.Saver	Blocked	173.03 MB	24,396
4	HTTP.BROWSER_Firefox	Allowed	26.88 MB	4,143
5	HTTP.BROWSER_Edge	Allowed	20.60 MB	360
6	Google.Data.Saver	Allowed	601.13 KB	8
7	HTTP.BROWSER	Blocked	137.48 KB	29
8	HTTP.BROWSER_IE	Allowed	94.92 KB	90
9	HTTP.BROWSER_Safari	Allowed	93.26 KB	8
10	HTTP.BROWSER_Chrome	Blocked	51.38 KB	14
11	HTTP.BROWSER_Opera	Allowed	18.22 KB	7
12	HTTP.BROWSER_Firefox	Blocked	2.49 KB	1
13	HTTP.BROWSER_Safari	Blocked	2.12 KB	1

Appendix A

Devices (10)

BR-SERPRO10941-JER-Jerico
BR-SERPRO11032-ADN-Andes
BR-SERPRO11098-SAR-SantaRosa
BR-SERPRO11135-EBG-El_Bagre
BR-SERPRO11136-STF-SantaFe_Ant
BR-SERPRO47319-VEG-Vegachi
BR-SERPRO47325-MDE-SantaElena
FAZVMSTM25005880
H1-SERPRO47324-MDE-Centro
H2-SERPRO11031-CAQ-Caucasia

FORTINET | FortiAnalyzer

FortiGate Performance Statistics Report

Report Date: April 1, 2026 10:20

Data Range: 2026-03-01 00:00:00 2026-03-31 23:59:59COT



Table of Contents

Resource Usage Summary - Average 4
Resource Usage Summary - Peak 4
Resource Usage Details - H1-SERPRO47324-MDE-Centro 4
- CPU Usage 5
- Memory Usage 5
- Disk Usage 5
- Logs per second 5
- Sessions 6
- Bandwidth Rate 6

Resource Usage Details - H1-SERPRO47324-MDE-Centro 7
- CPU Usage 7
- Memory Usage 7
- Disk Usage 7
- Logs per second 8
- Sessions 8
- Bandwidth Rate 8

Resource Usage Details - BR-SERPRO10941-JER-Jerico 9
- CPU Usage 9
- Memory Usage 9
- Disk Usage 9
- Logs per second 10
- Sessions 10
- Bandwidth Rate 10

Resource Usage Details - BR-SERPRO47319-VEG-Vegachi 11
- CPU Usage 11
- Memory Usage 11
- Disk Usage 11
- Logs per second 12
- Sessions 12
- Bandwidth Rate 12

Resource Usage Details - BR-SERPRO10941-JER-Jerico 13
- CPU Usage 13
- Memory Usage 13
- Disk Usage 13
- Logs per second 14
- Sessions 14
- Bandwidth Rate 14

Resource Usage Details - BR-SERPRO11136-STF-SantaFe_Ant 15
- CPU Usage 15
- Memory Usage 15
- Disk Usage 15
- Logs per second 16
- Sessions 16
- Bandwidth Rate 16

Resource Usage Details - BR-SERPRO11135-EBG-El_Bagre 17
- CPU Usage 17
- Memory Usage 17
- Disk Usage 17
- Logs per second 18
- Sessions 18
- Bandwidth Rate 18

Resource Usage Details - BR-SERPRO11032-ADN-Andes 19
CPU Usage 19
Memory Usage 19
Disk Usage 19
Logs per second 20
Sessions 20
Bandwidth Rate 20

Resource Usage Details - BR-SERPRO11032-ADN-Andes 21
CPU Usage 21
Memory Usage 21
Disk Usage 21
Logs per second 22
Sessions 22
Bandwidth Rate 22

Resource Usage Details - BR-SERPRO11136-STF-SantaFe_Ant 23
CPU Usage 23
Memory Usage 23
Disk Usage 23
Logs per second 24
Sessions 24
Bandwidth Rate 24

Resource Usage Details - BR-SERPRO11098-SAR-SantaRosa 25
CPU Usage 25
Memory Usage 25
Disk Usage 25
Logs per second 26
Sessions 26
Bandwidth Rate 26

Resource Usage Details - H2-SERPRO11031-CAQ-Caucasia 27
CPU Usage 27
Memory Usage 27
Disk Usage 27
Logs per second 28
Sessions 28
Bandwidth Rate 28

Resource Usage Details - H2-SERPRO11031-CAQ-Caucasia 29
CPU Usage 29
Memory Usage 29
Disk Usage 29
Logs per second 30
Sessions 30
Bandwidth Rate 30

Resource Usage Details - BR-SERPRO47325-MDE-SantaElena 31
CPU Usage 31
Memory Usage 31
Disk Usage 31
Logs per second 32
Sessions 32
Bandwidth Rate 32

Resource Usage Details - BR-SERPRO47325-MDE-SantaElena 33
CPU Usage 33
Memory Usage 33
Disk Usage 33
Logs per second 34

Sessions 34
Bandwidth Rate 34

Resource Usage Details - BR-SERPRO47319-VEG-Vegachi 35
CPU Usage 35
Memory Usage 35
Disk Usage 35
Logs per second 36
Sessions 36
Bandwidth Rate 36

Resource Usage Details - BR-SERPRO11098-SAR-SantaRosa 37
CPU Usage 37
Memory Usage 37
Disk Usage 37
Logs per second 38
Sessions 38
Bandwidth Rate 38

Appendix A 39
Devices (10) 39

Resource Usage Summary - Average

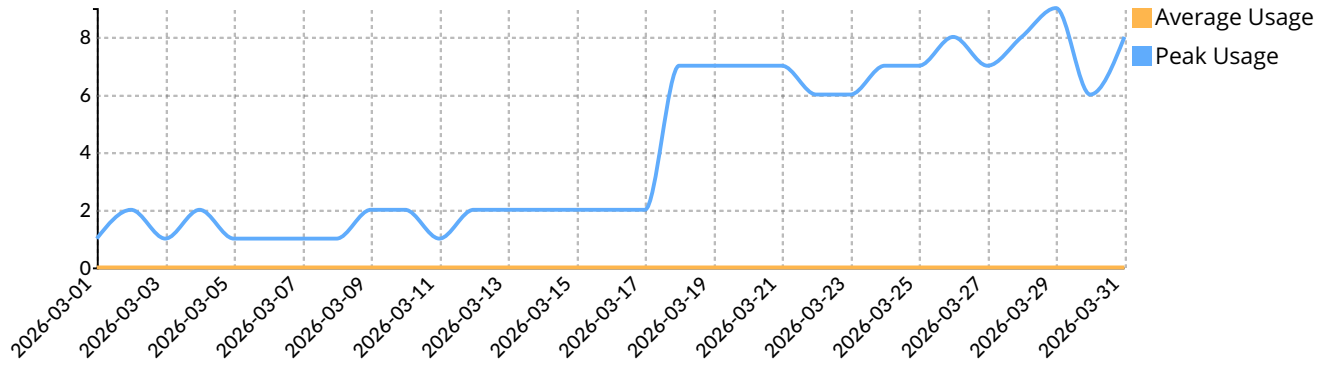
#	Device Name	Role	CPU	Memory	Disk	Logs Per Second	Sessions	Bandwidth Rate (kbps) Sent Received
1	H1-SERPRO47324-MDE-Centro		0%	29%	0%	20	1,601	58,795
2	H1-SERPRO47324-MDE-Centro		0%	28%	0%	0	231	120
3	BR-SERPRO10941-JER-Jerico		0%	63%	0%	9	249	4,576
4	BR-SERPRO47319-VEG-Vegachi		0%	62%	0%	9	532	37,862
5	BR-SERPRO10941-JER-Jerico		0%	56%	0%	0	106	122
6	BR-SERPRO11136-STF-SantaFe_Ant		0%	60%	0%	9	439	9,884
7	BR-SERPRO11135-EBG-El_Bagre		0%	55%	0%	2	25	812
8	BR-SERPRO11032-ADN-Andes		0%	60%	0%	0	182	94
9	BR-SERPRO11032-ADN-Andes		0%	64%	0%	9	457	8,447
10	BR-SERPRO11136-STF-SantaFe_Ant		0%	54%	0%	0	192	118

Resource Usage Summary - Peak

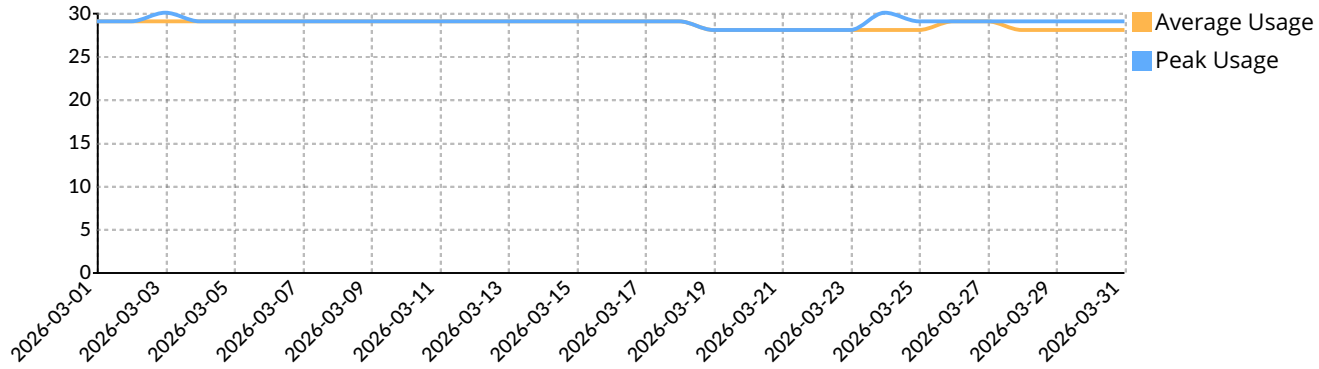
#	Device Name	Role	CPU	Memory	Disk	Logs Per Second	Sessions	Bandwidth Rate (kbps)
1	H1-SERPRO47324-MDE-Centro		9%	30%	0%	3,501	42,672	438,647
2	H1-SERPRO47324-MDE-Centro		5%	28%	0%	5	3,406	747
3	BR-SERPRO10941-JER-Jerico		17 %	71%	0%	2,113	4,441	122,198
4	BR-SERPRO47319-VEG-Vegachi		19 %	69%	0%	4,134	11,321	201,894
5	BR-SERPRO10941-JER-Jerico		13 %	60%	0%	3	929	114,443
6	BR-SERPRO11136-STF-SantaFe_Ant		13 %	62%	0%	6,742	8,277	1,078,645
7	BR-SERPRO11135-EBG-El_Bagre		24 %	60%	0%	409	880	70,839
8	BR-SERPRO11032-ADN-Andes		21 %	70%	0%	3	1,296	45,151
9	BR-SERPRO11032-ADN-Andes		25 %	67%	0%	1,029	8,412	158,247
10	BR-SERPRO11136-STF-SantaFe_Ant		20 %	62%	0%	3	1,582	70,689

Resource Usage Details - H1-SERPRO47324-MDE-Centro

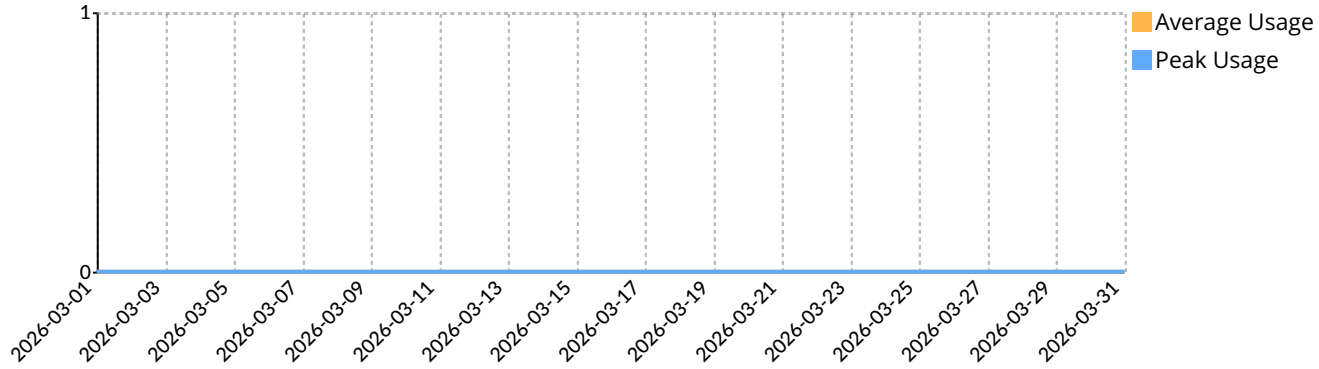
CPU Usage



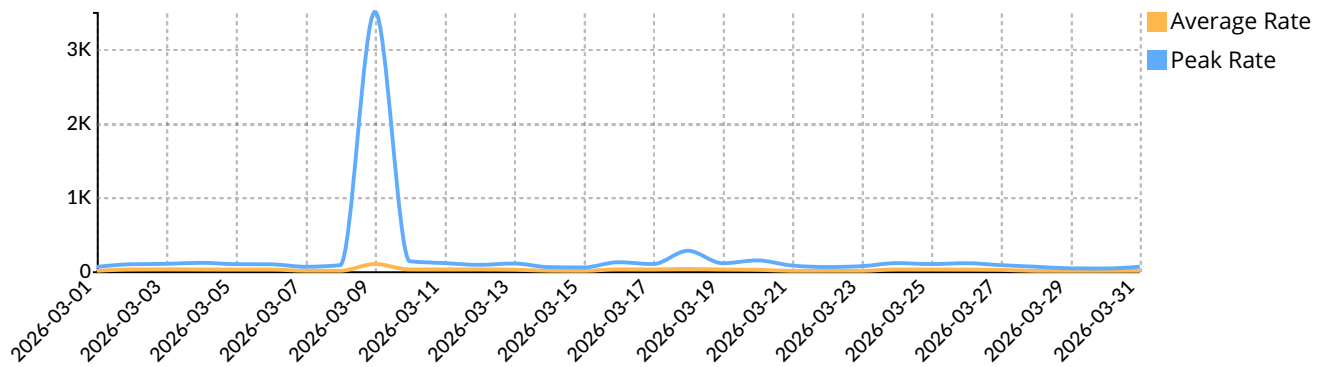
Memory Usage



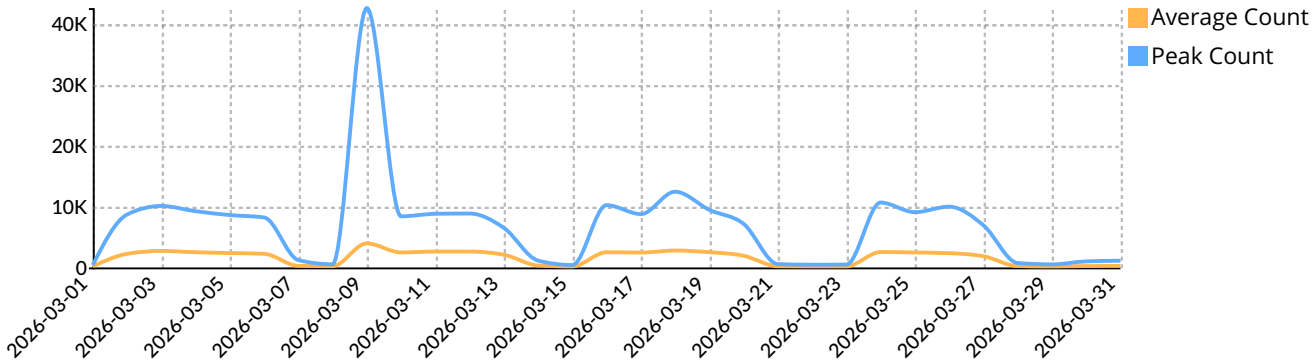
Disk Usage



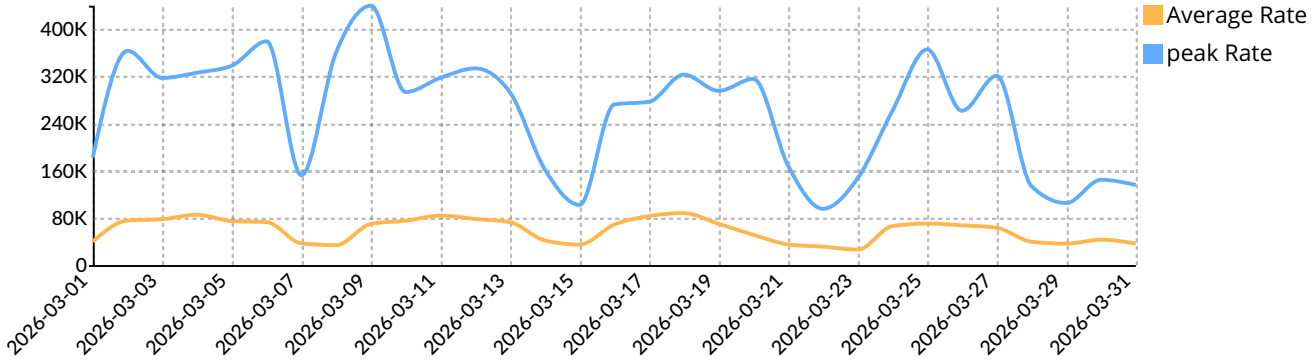
Logs per second



Sessions

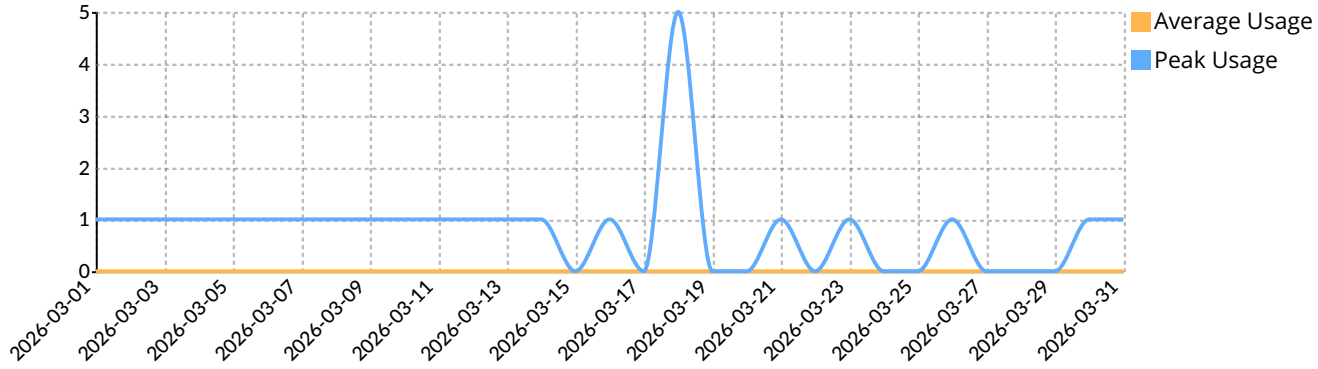


Bandwidth Rate

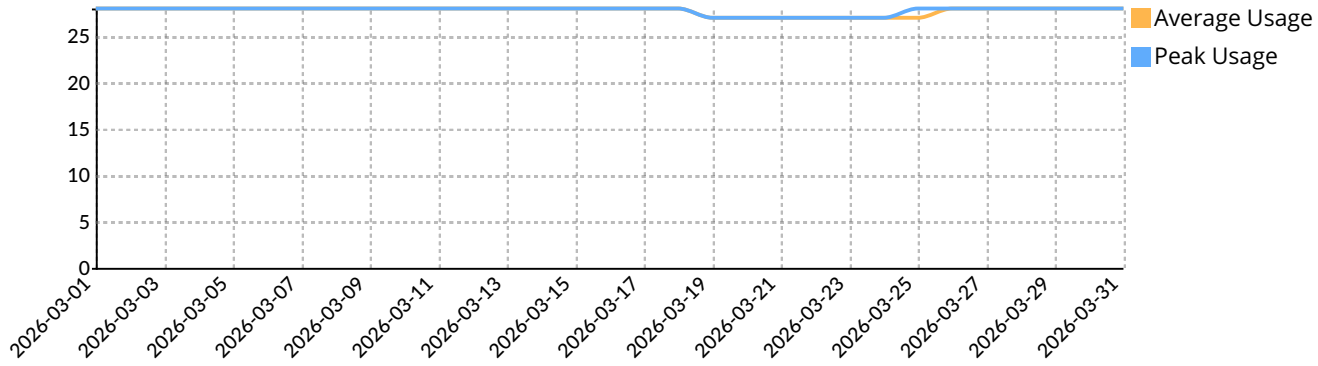


Resource Usage Details - H1-SERPRO47324-MDE-Centro

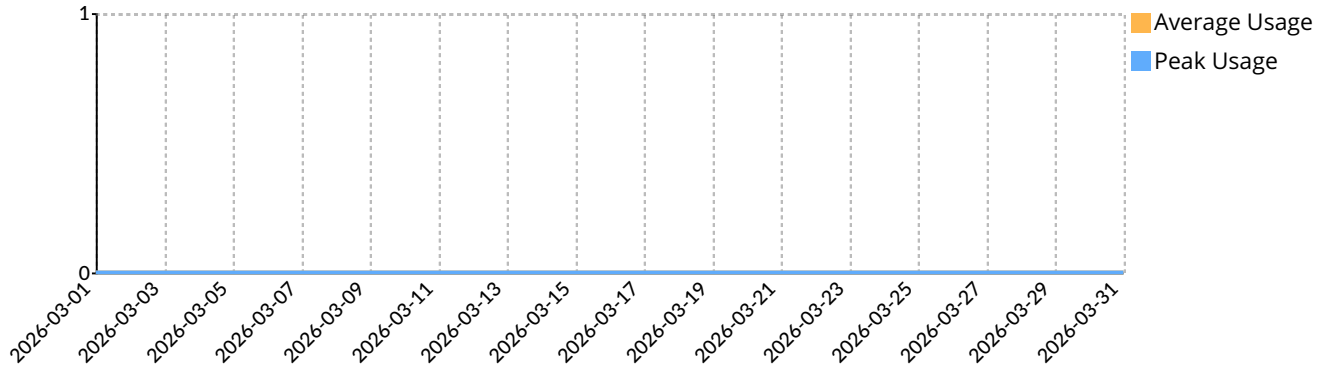
CPU Usage



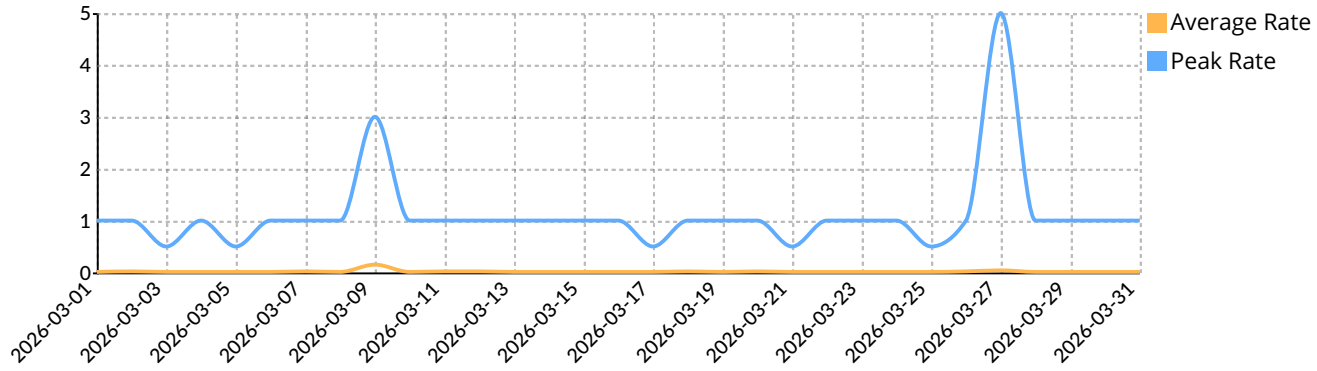
Memory Usage



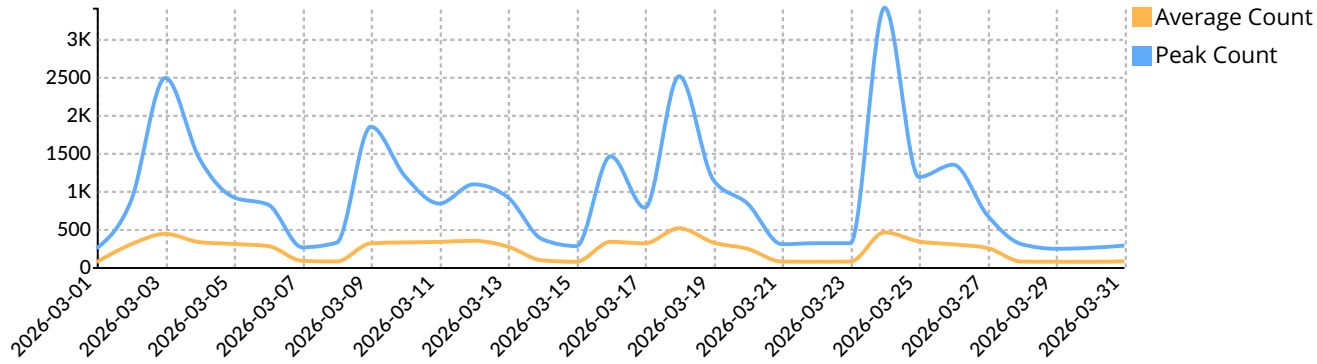
Disk Usage



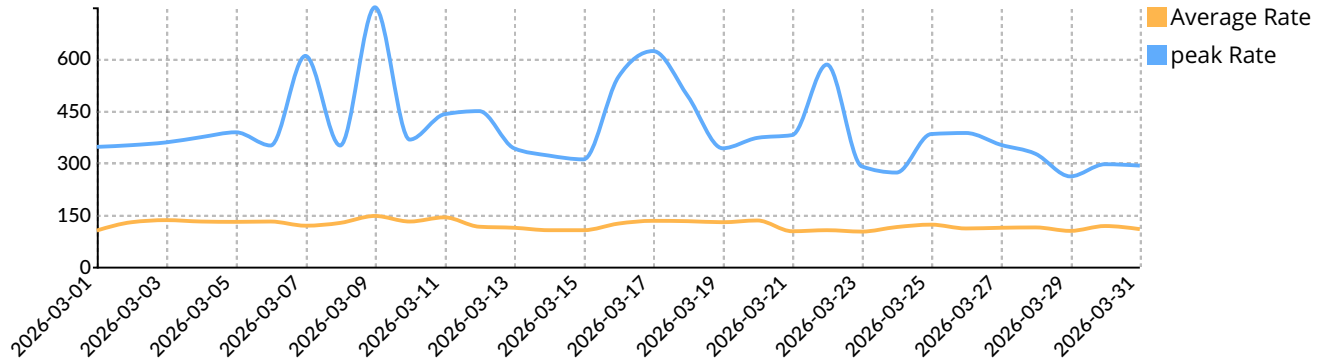
Logs per second



Sessions

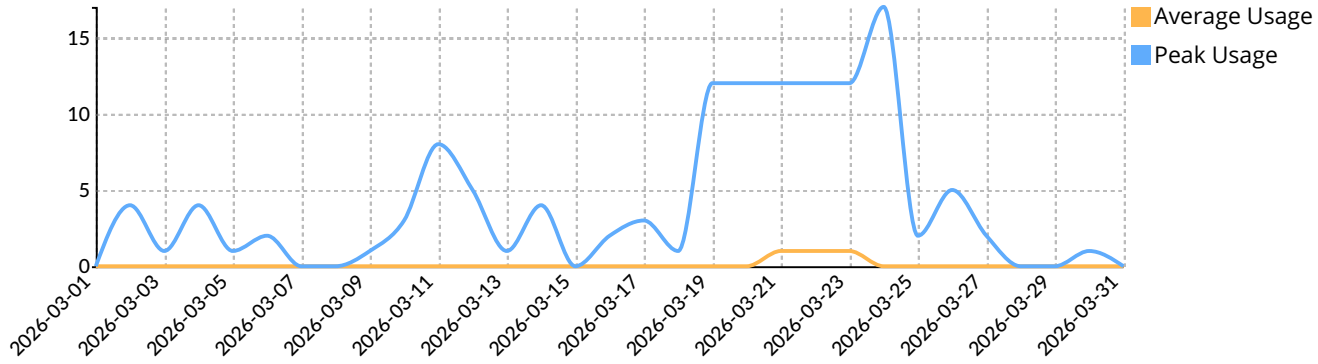


Bandwidth Rate

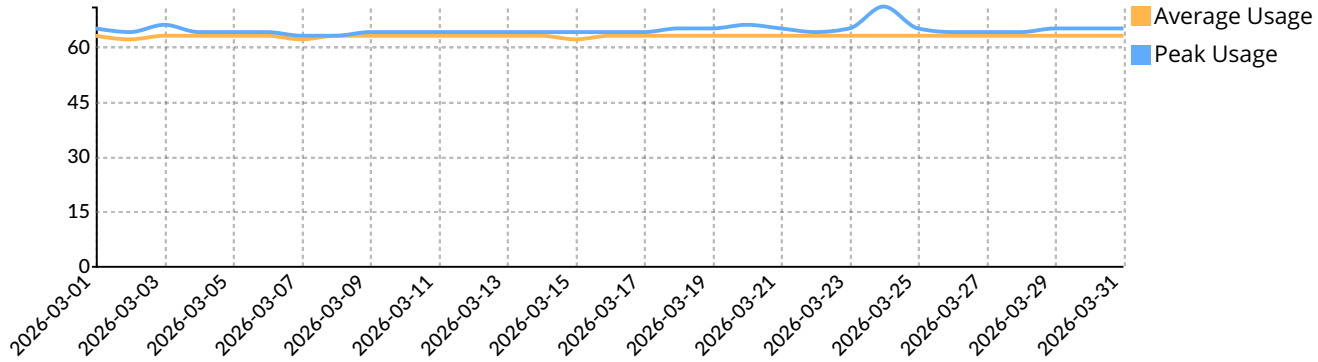


Resource Usage Details - BR-SERPRO10941-JER-Jerico

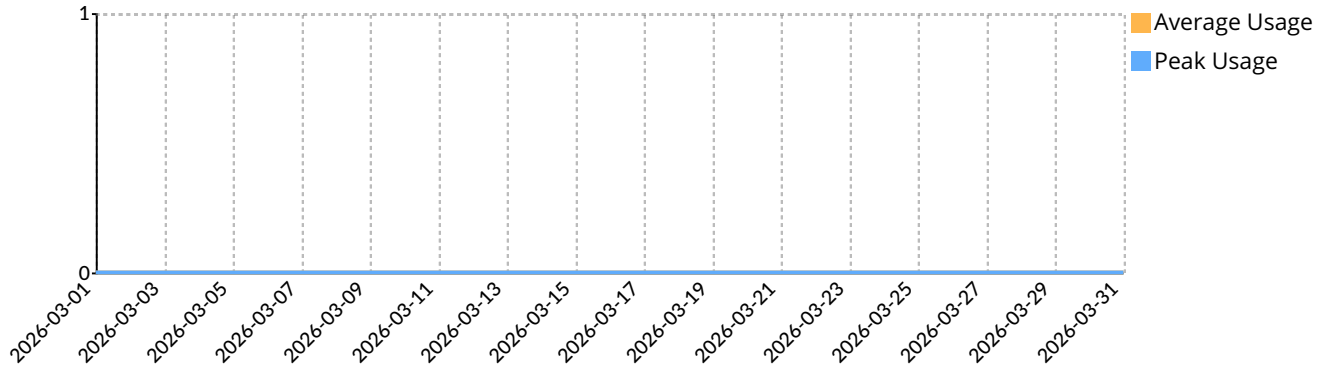
CPU Usage



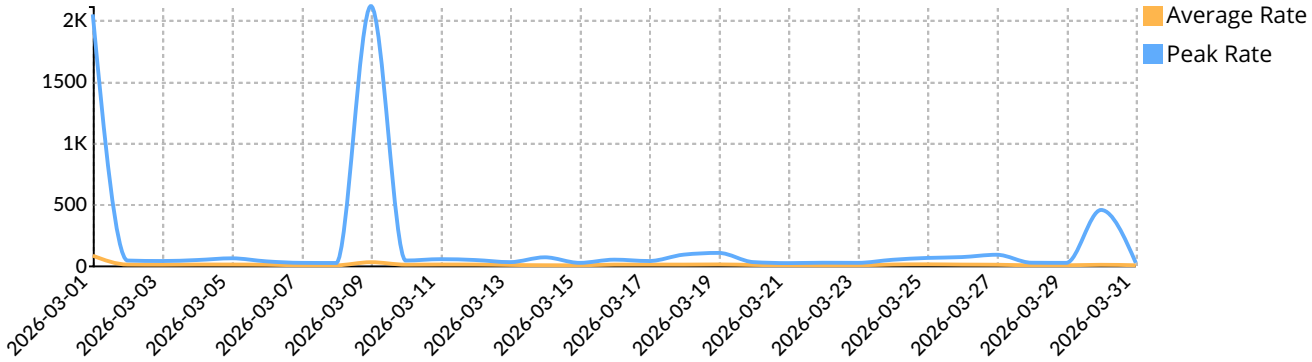
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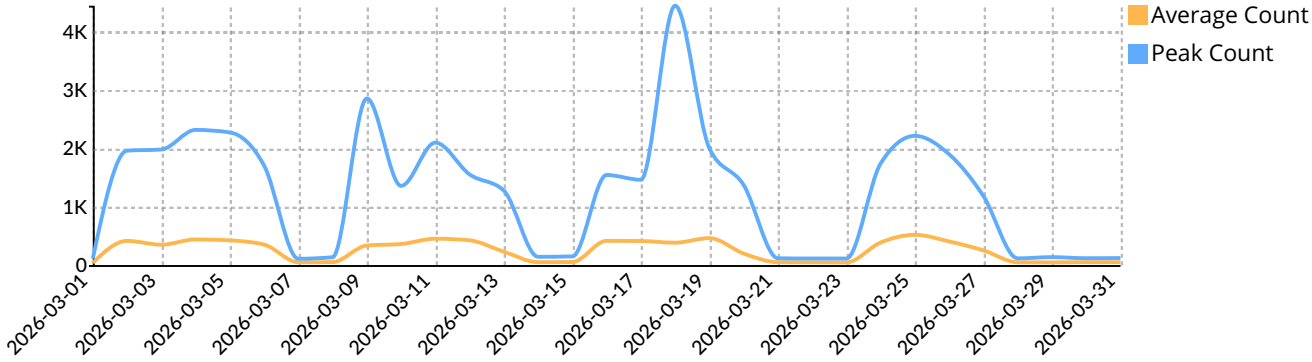
Disk Usage



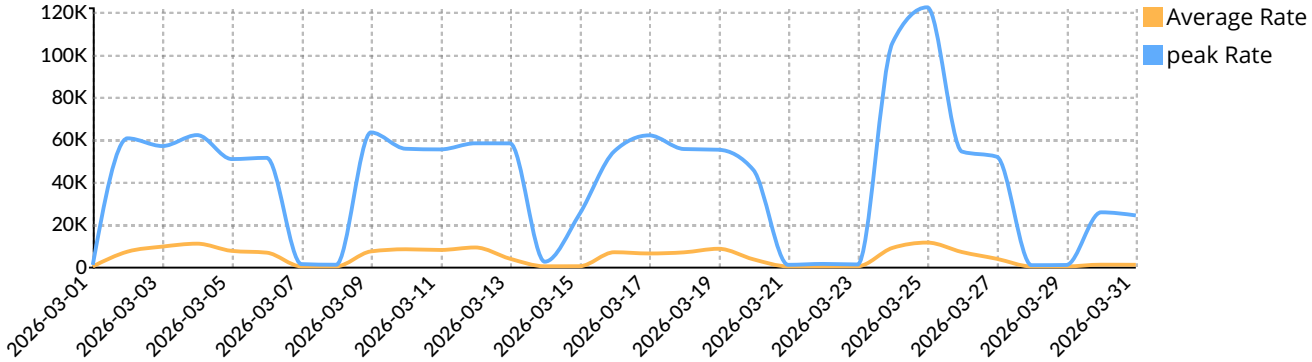
Logs per second



Sessions

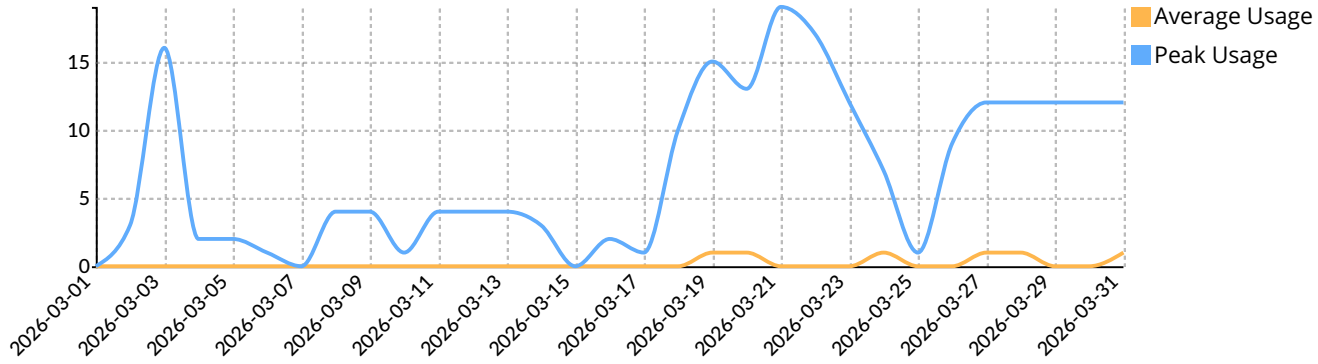


Bandwidth Rate

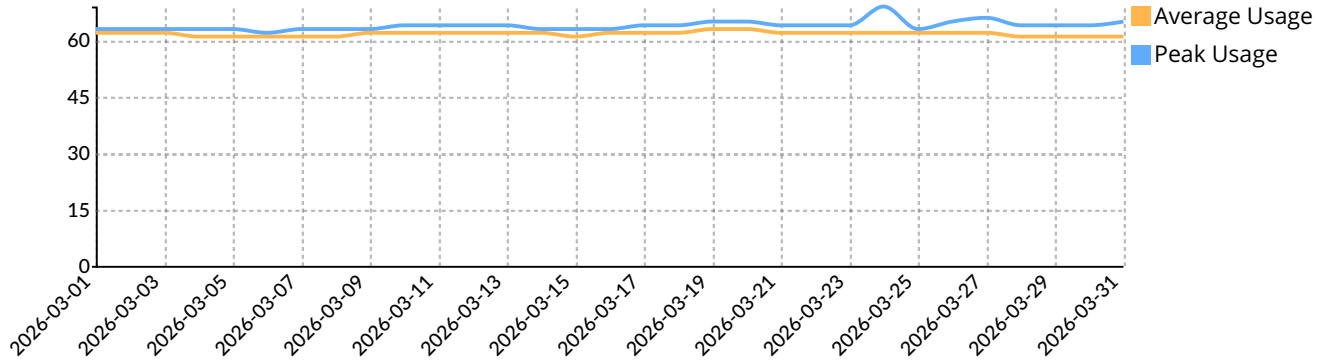


Resource Usage Details - BR-SERPRO47319-VEG-Vegachi

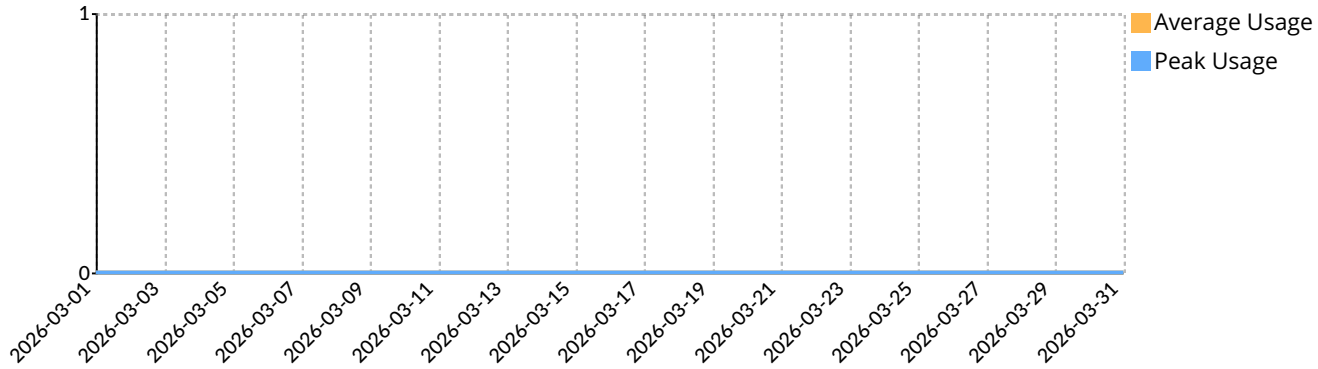
CPU Usage



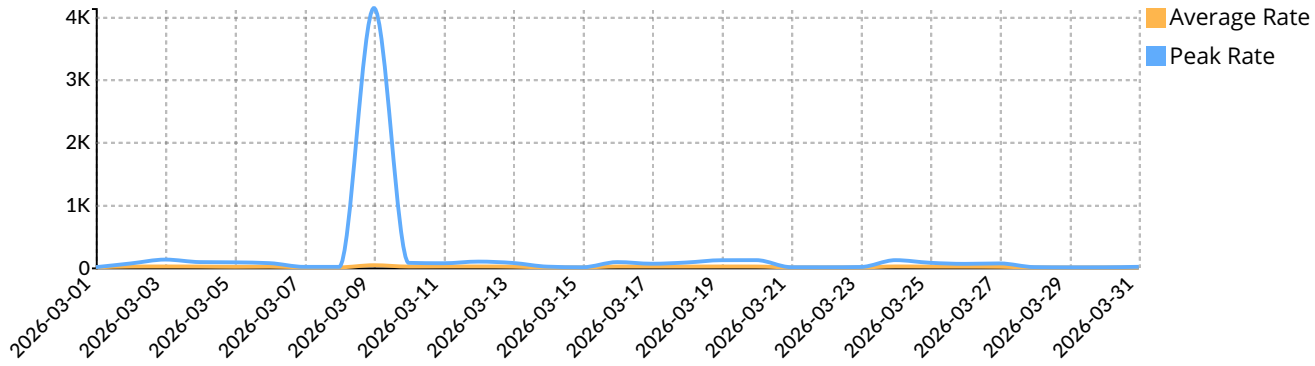
Memory Usage



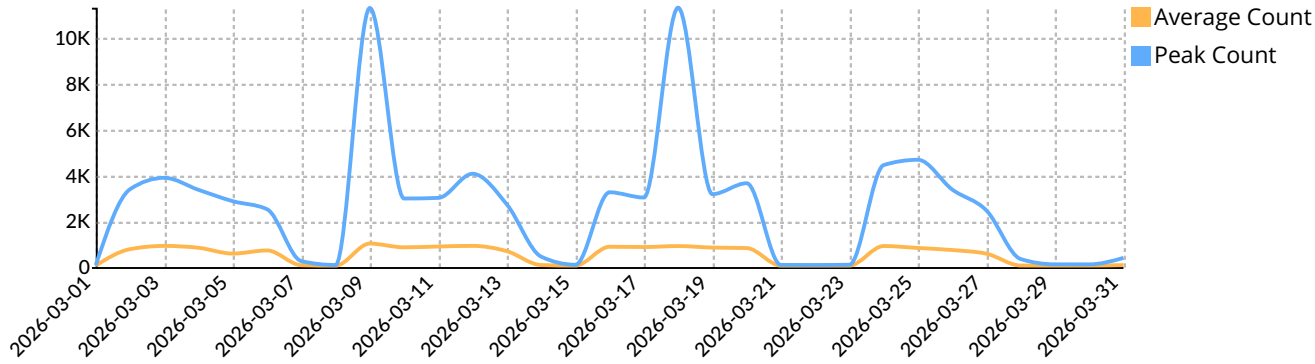
Disk Usage



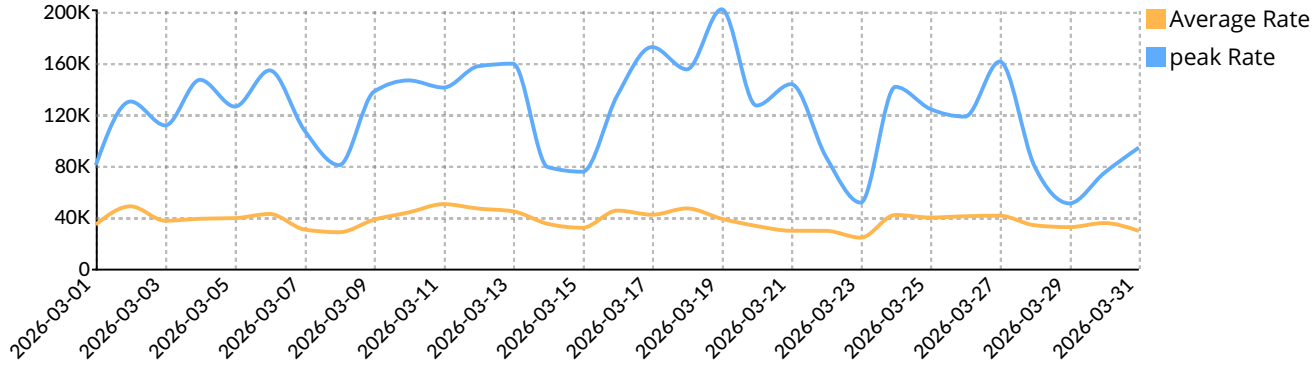
Logs per second



Sessions

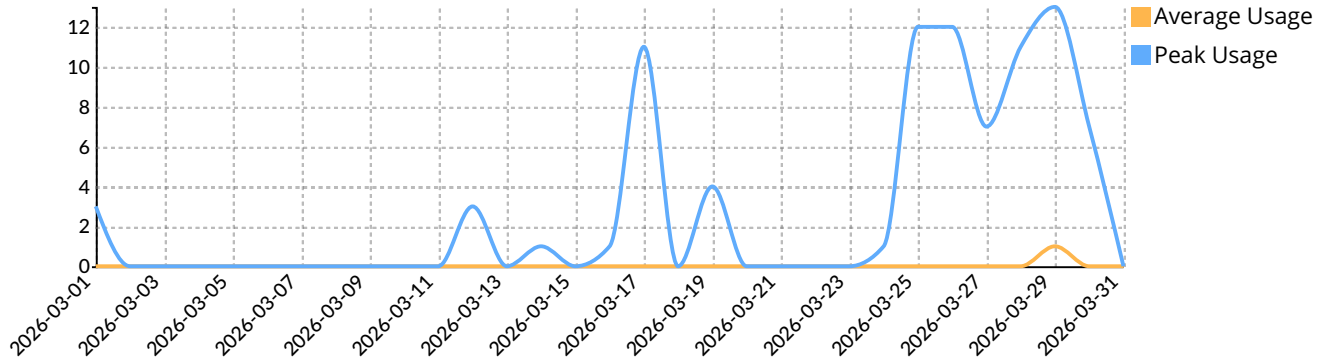


Bandwidth Rate

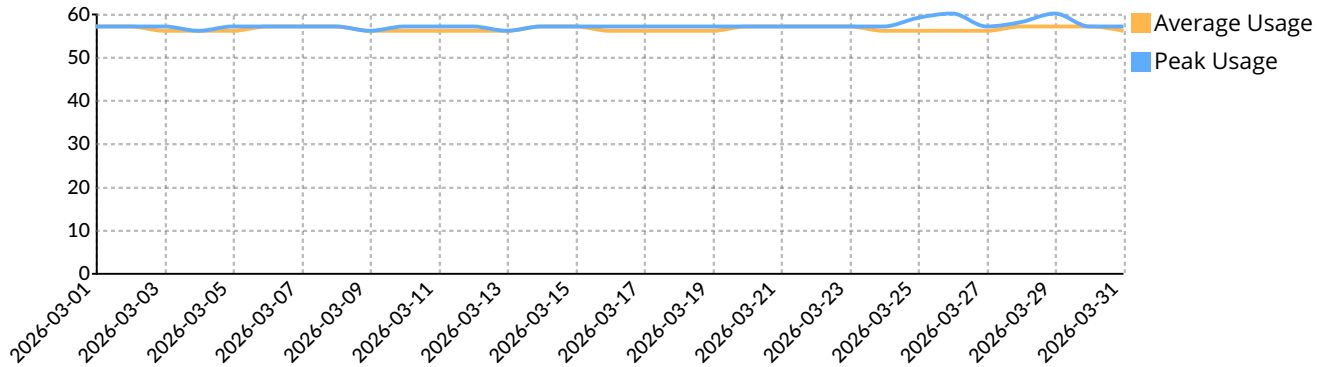


Resource Usage Details - BR-SERPRO10941-JER-Jerico

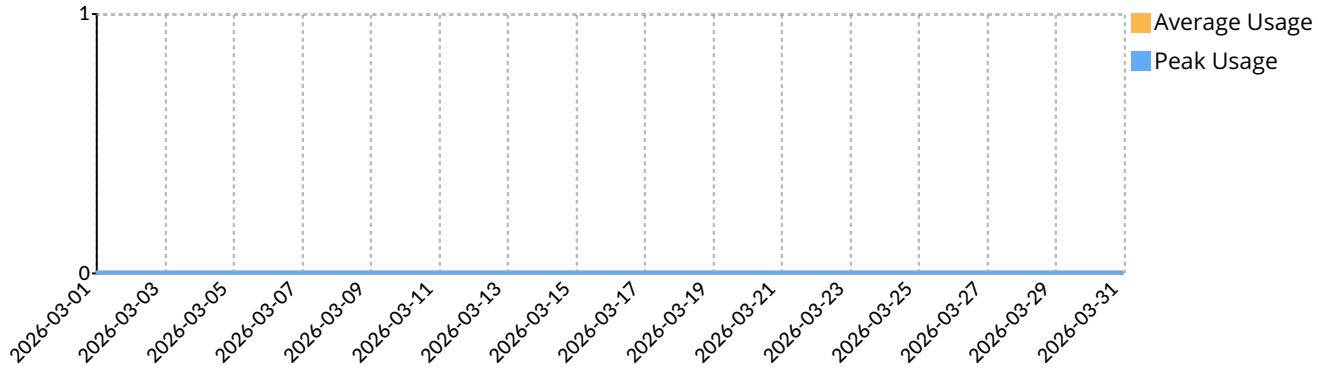
CPU Usage



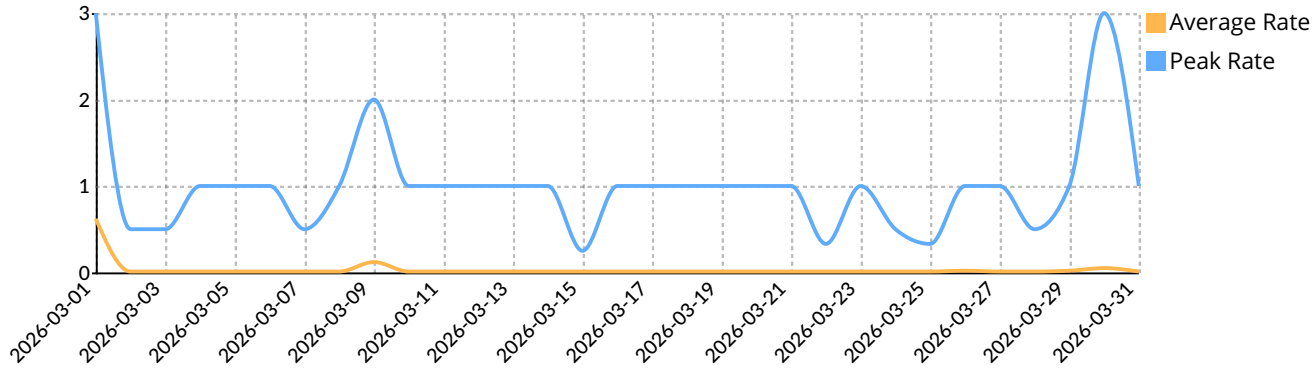
Memory Usage



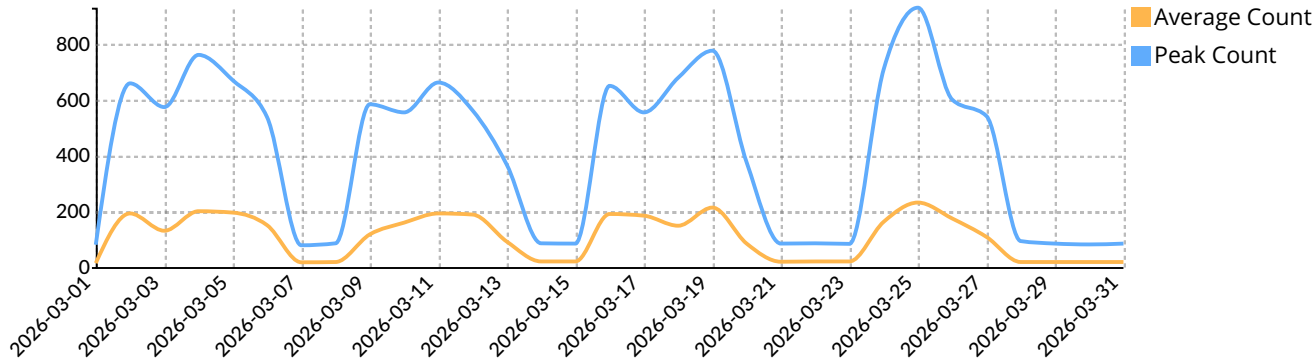
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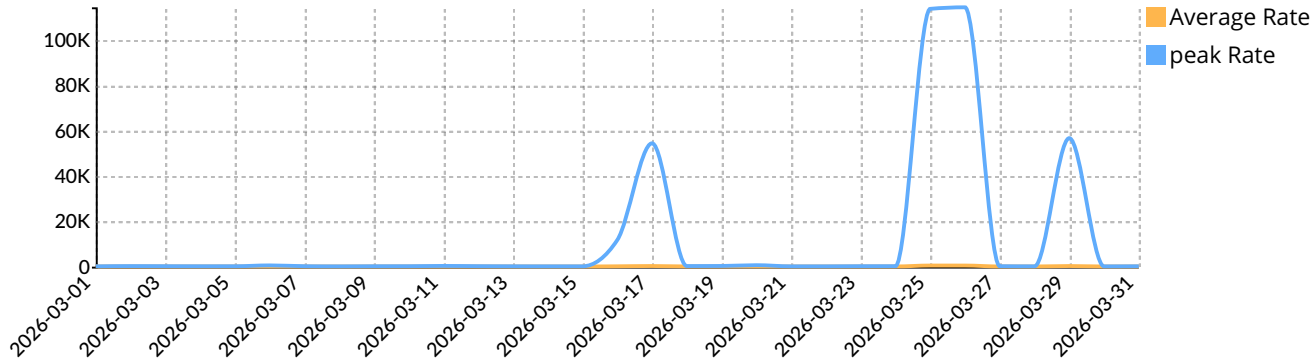
Logs per second



Sessions

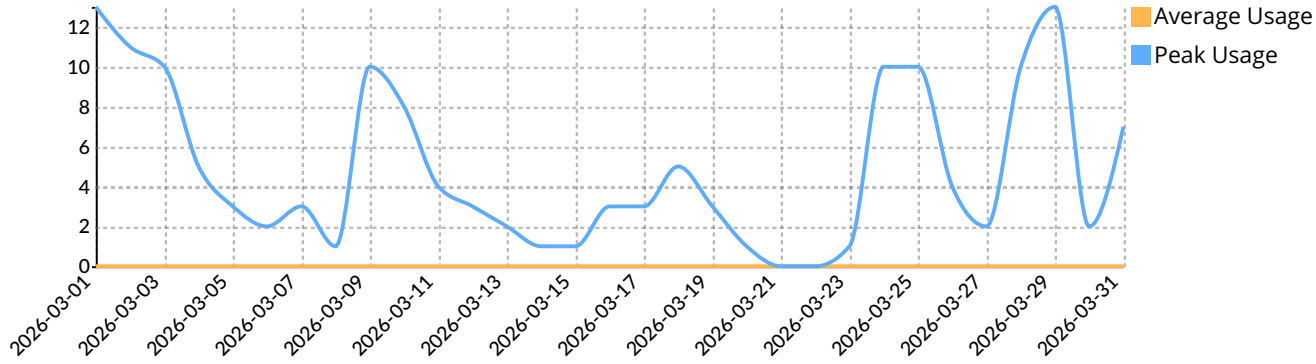


Bandwidth Rate

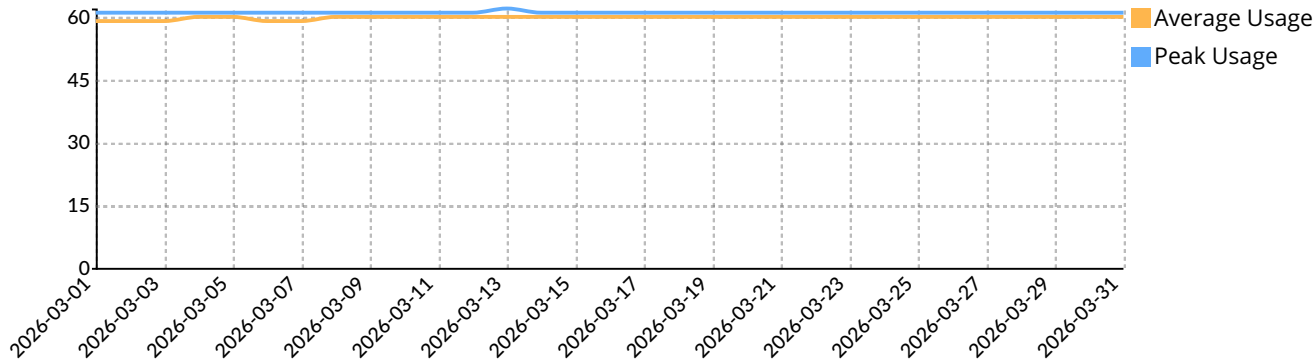


Resource Usage Details - BR-SERPRO11136-STF-SantaFe_Ant

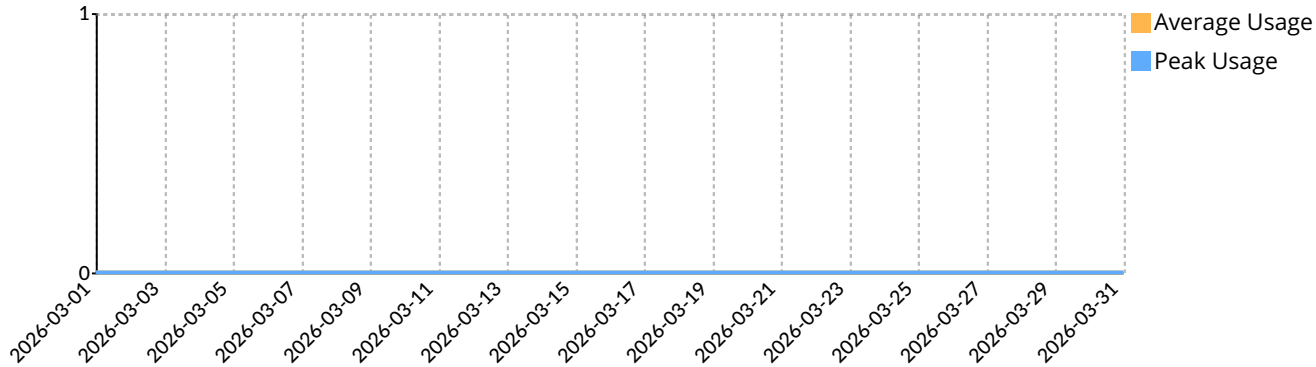
CPU Usage



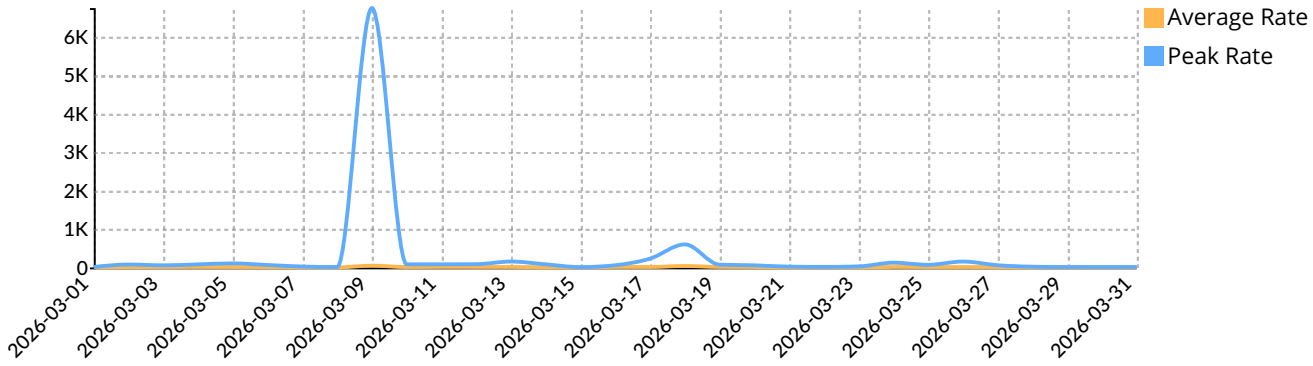
Memory Usage



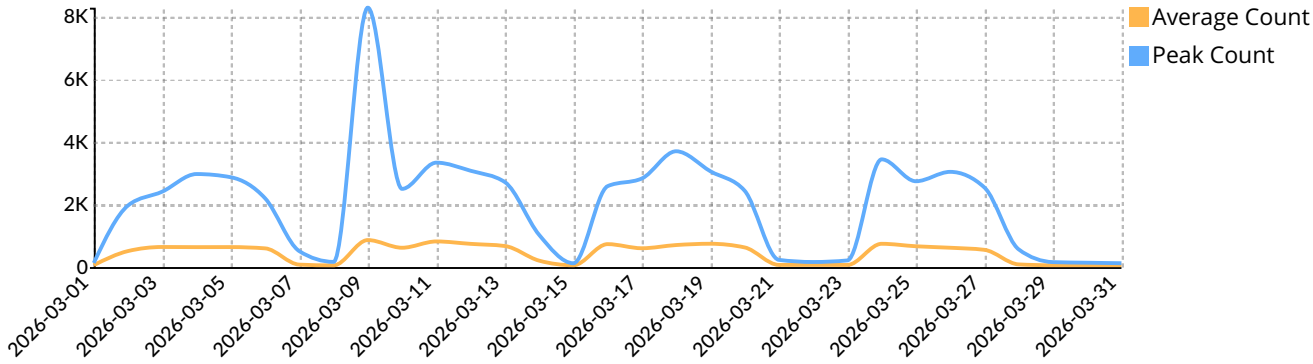
Disk Usage



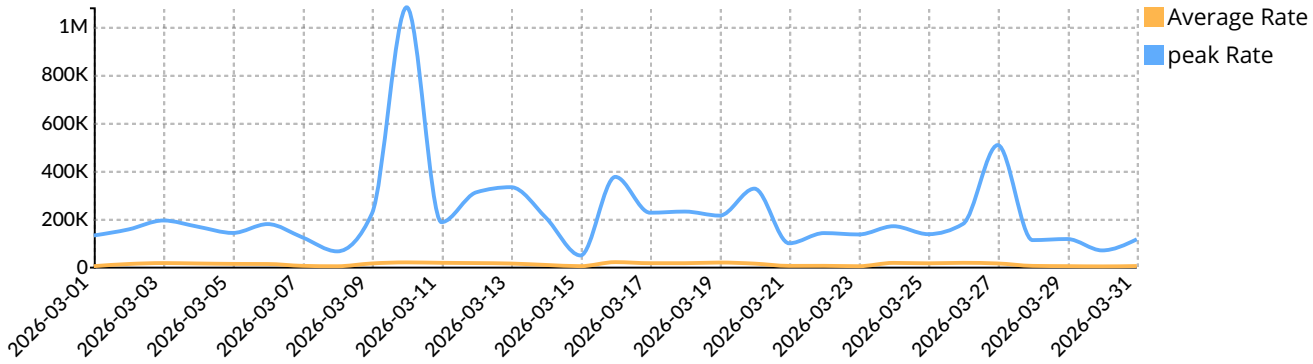
Logs per second



Sessions

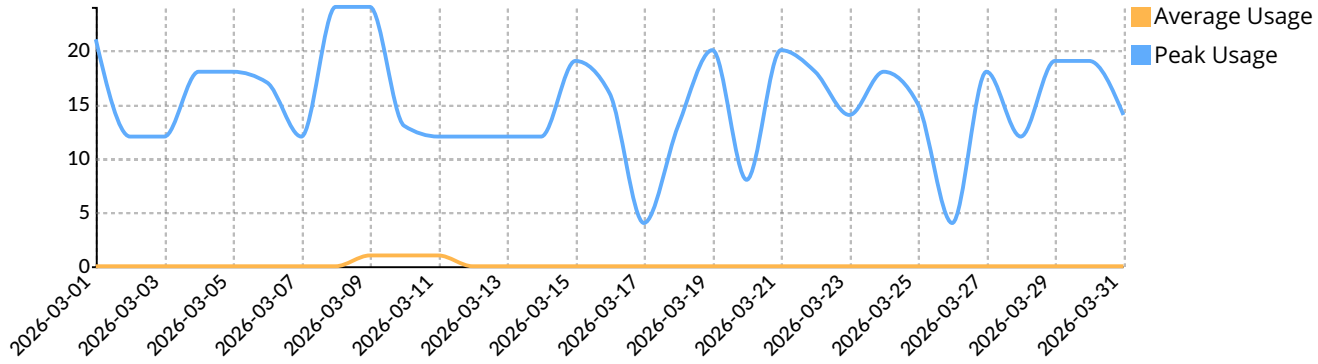


Bandwidth Rate

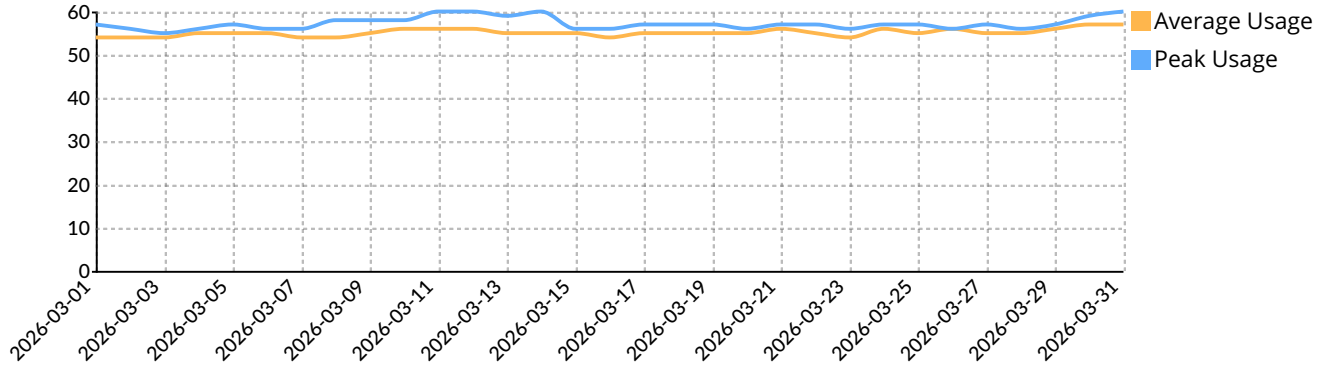


Resource Usage Details - BR-SERPRO11135-EBG-El_Bagre

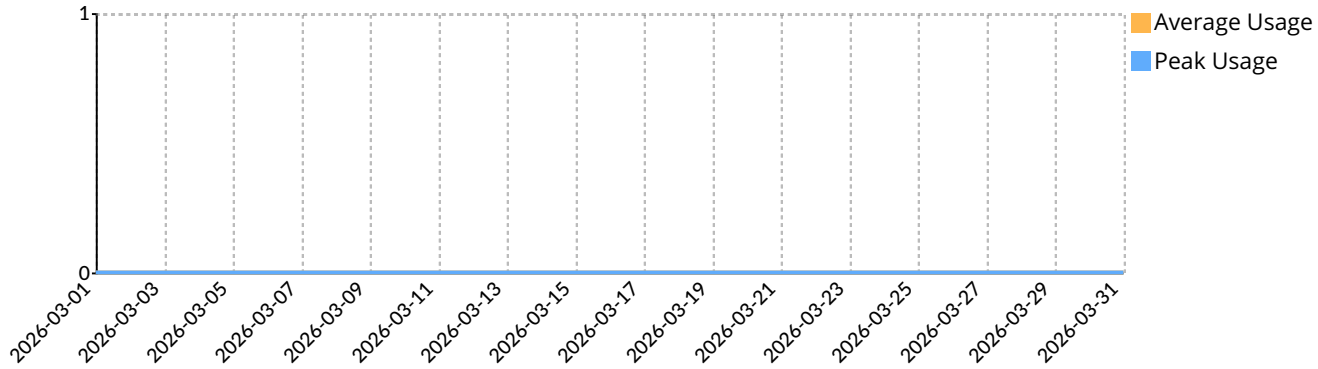
CPU Usage



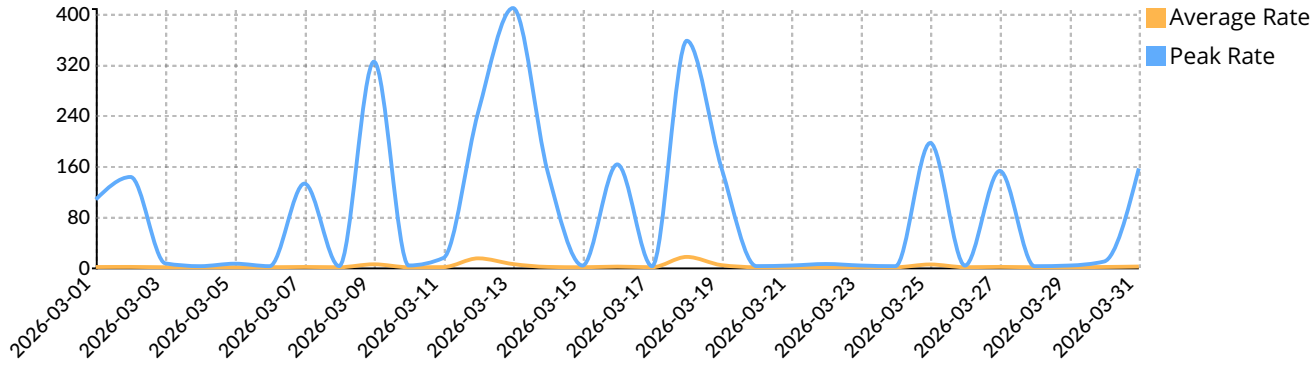
Memory Usage



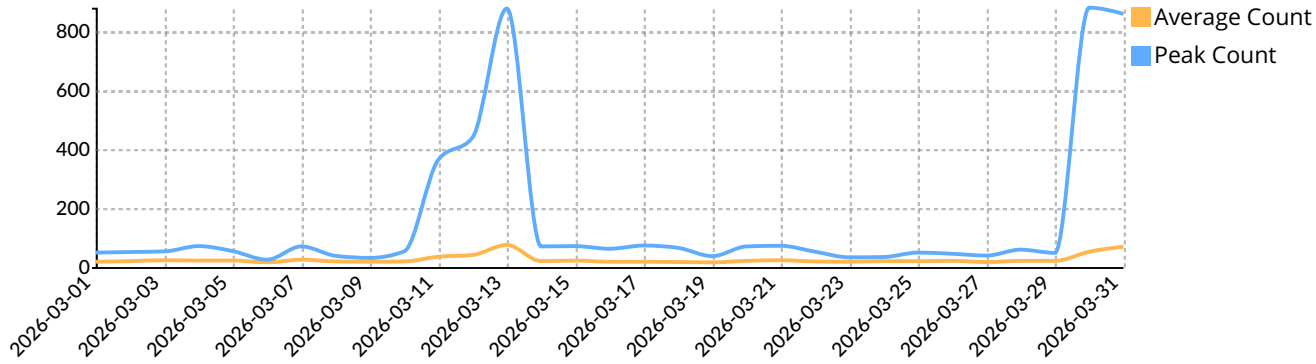
Disk Usage



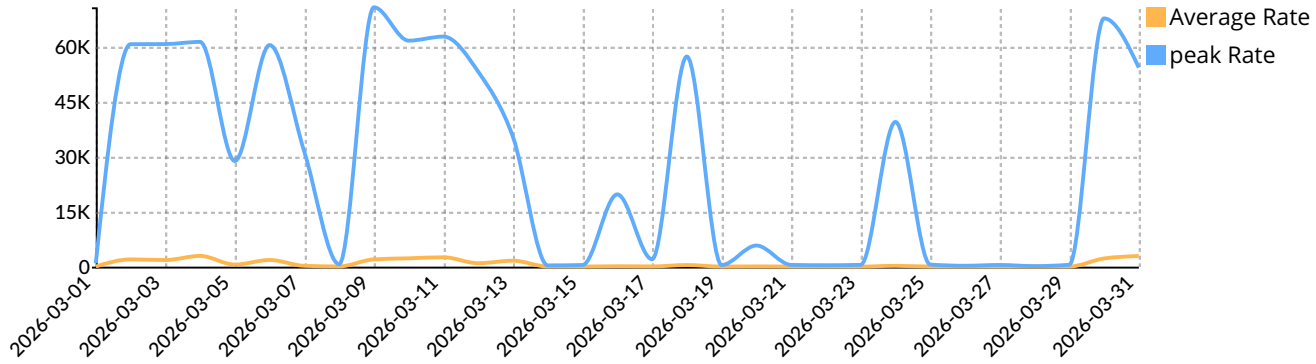
Logs per second



Sessions

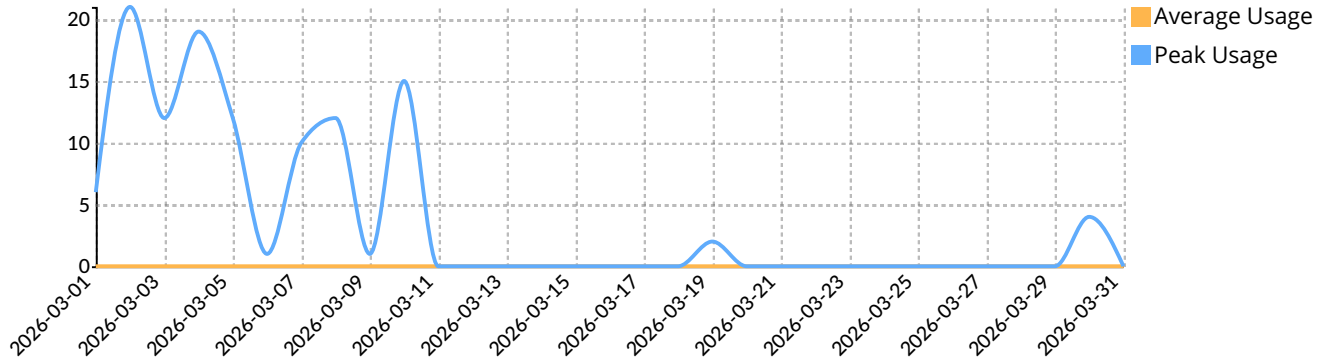


Bandwidth Rate

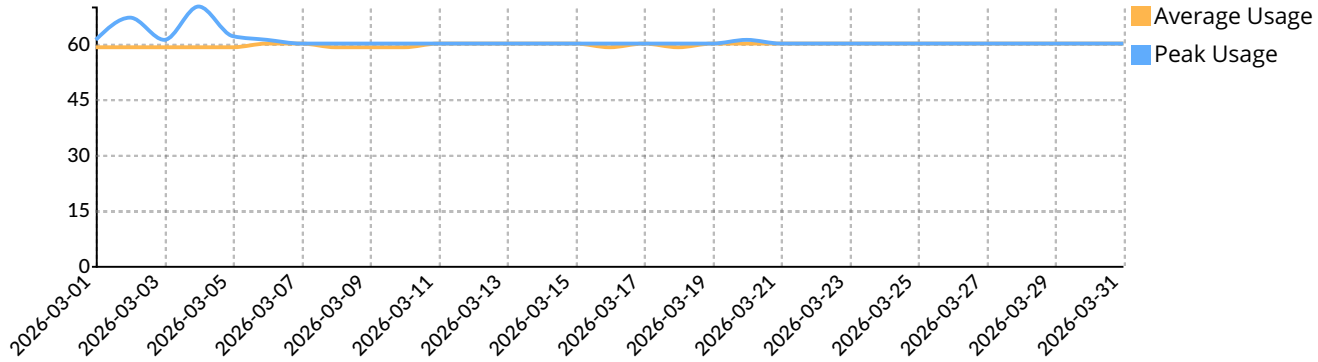


Resource Usage Details - BR-SERPRO11032-ADN-Andes

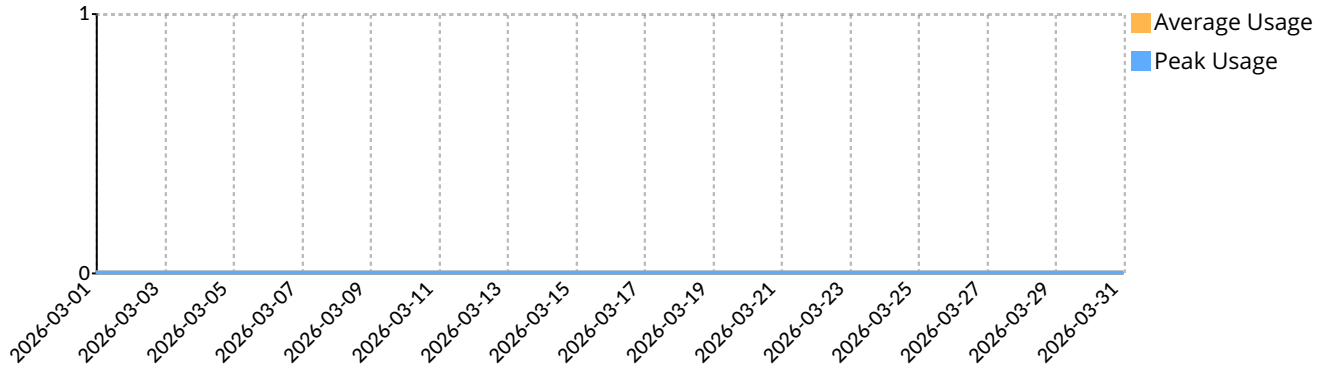
CPU Usage



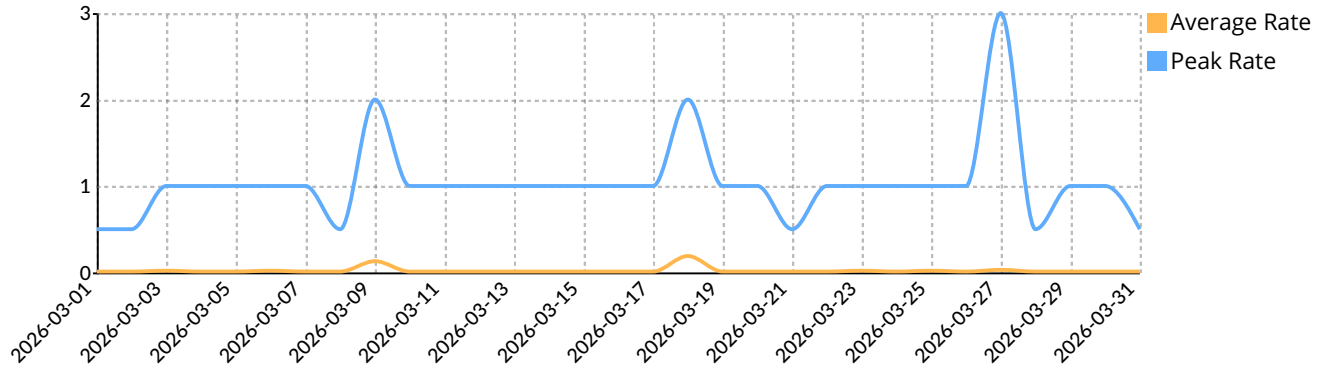
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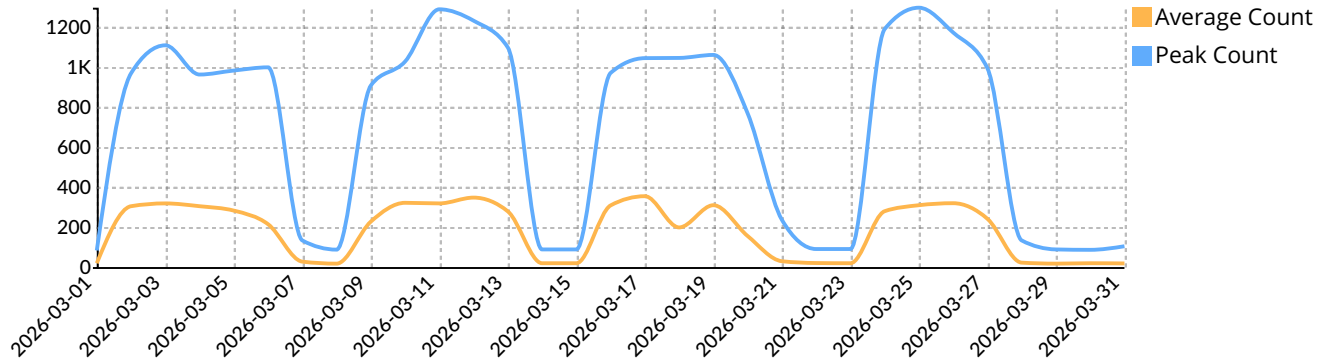
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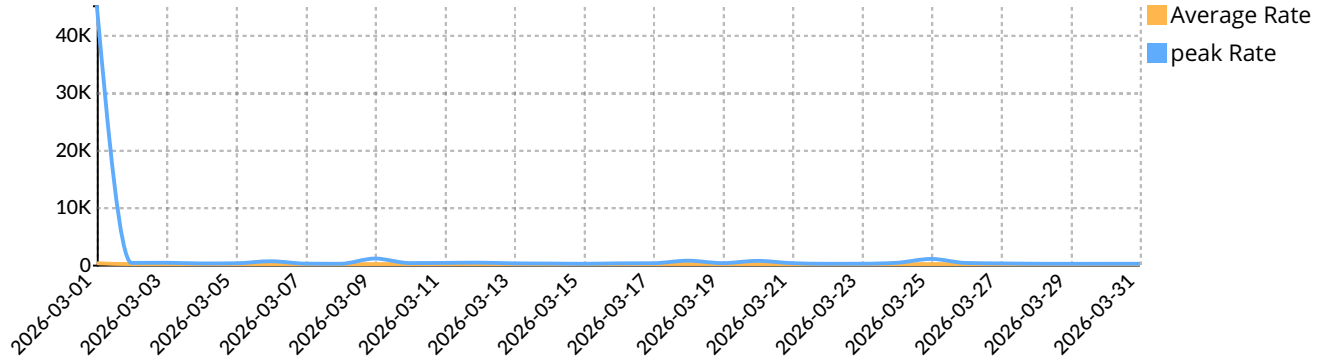
Logs per second



Sessions

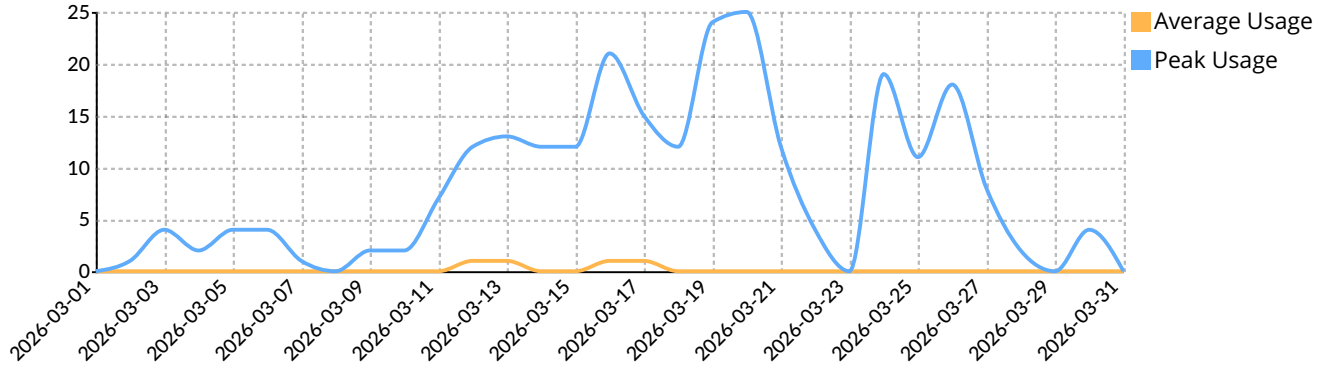


Bandwidth Rate

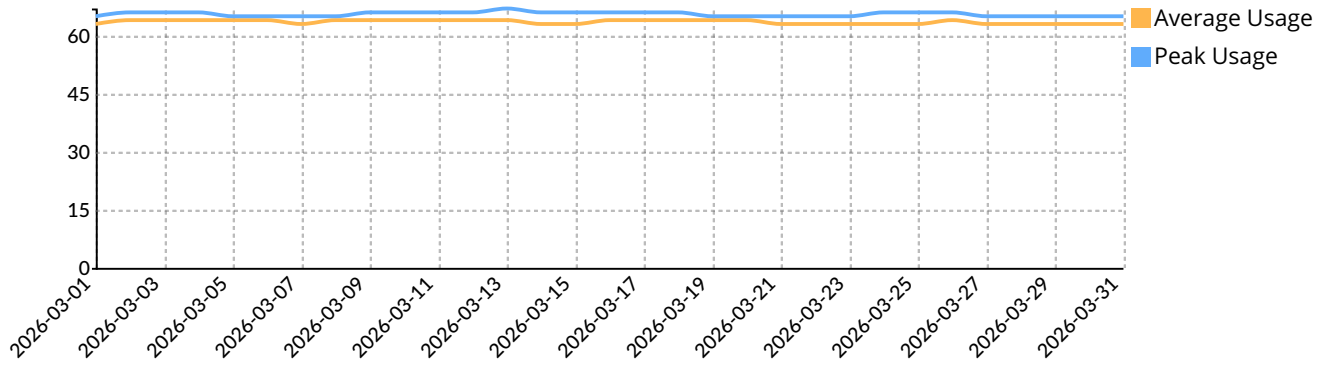


Resource Usage Details - BR-SERPRO11032-ADN-Andes

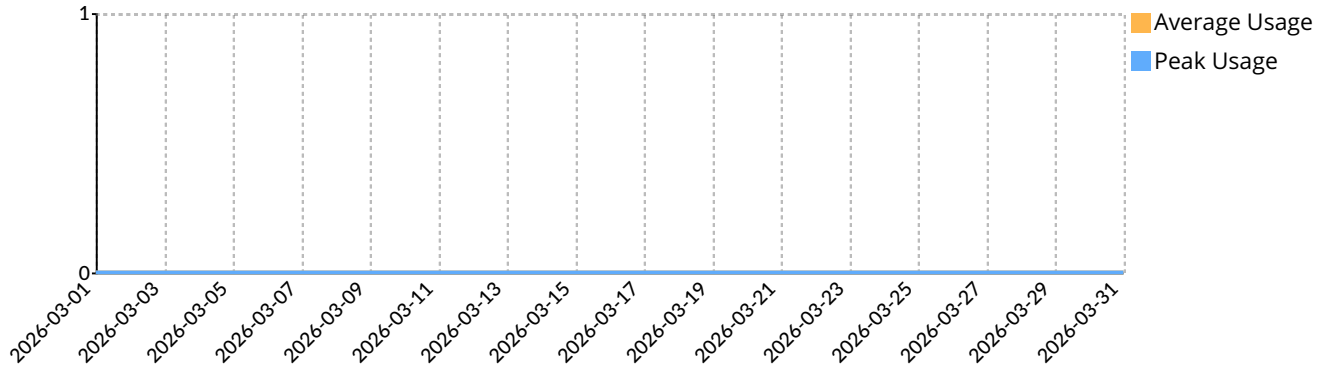
CPU Usage



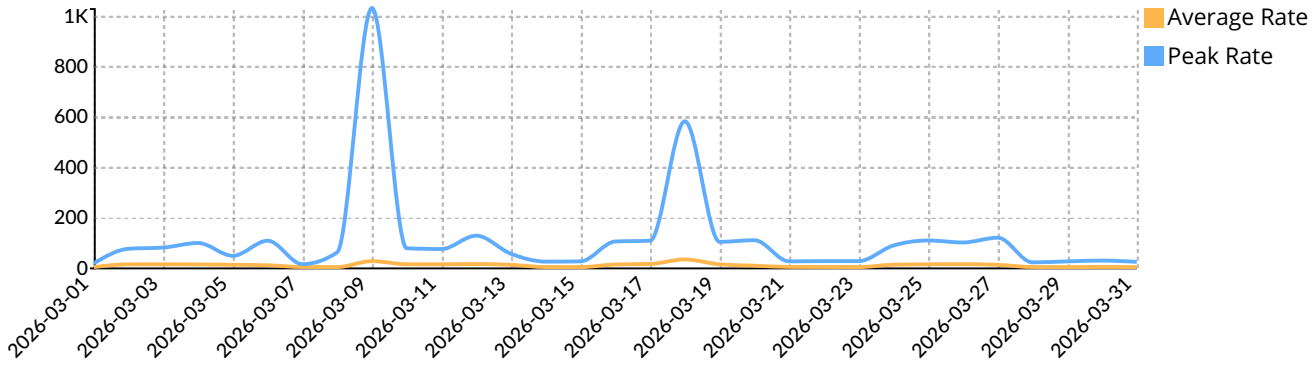
Memory Usage



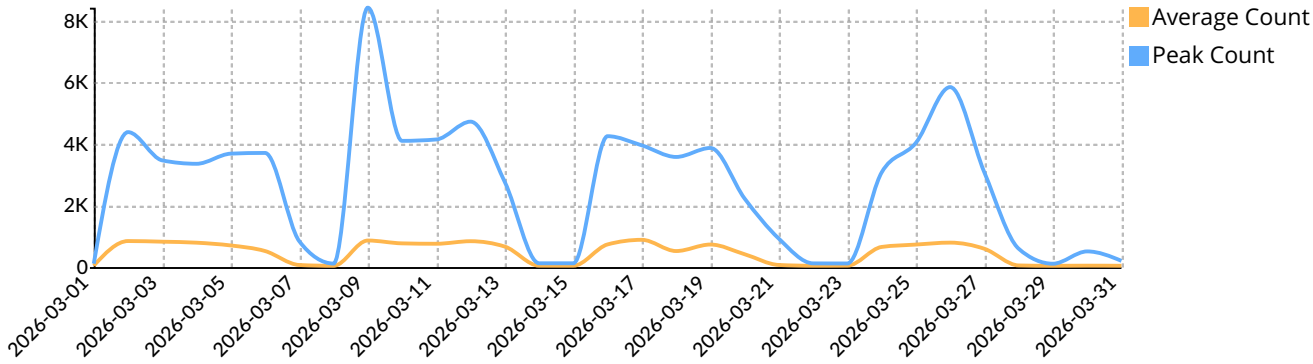
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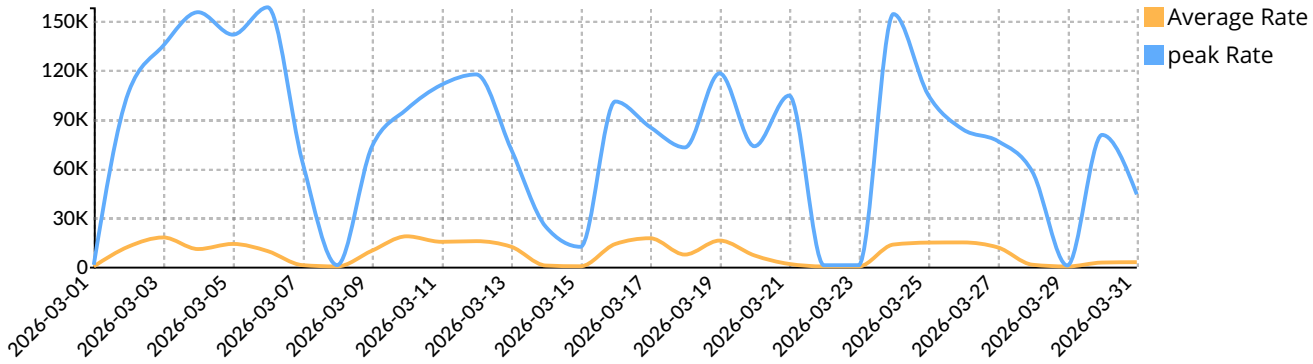
Logs per second



Sessions

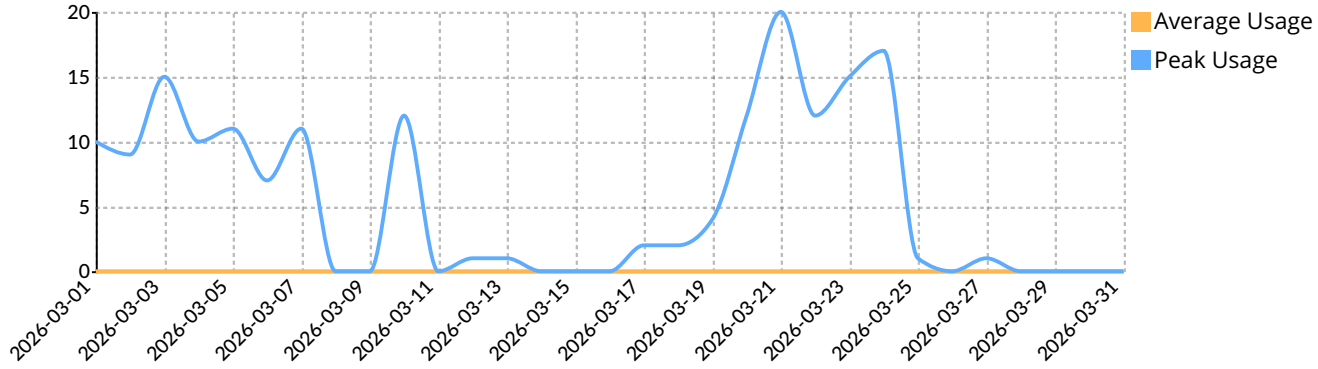


Bandwidth Rate

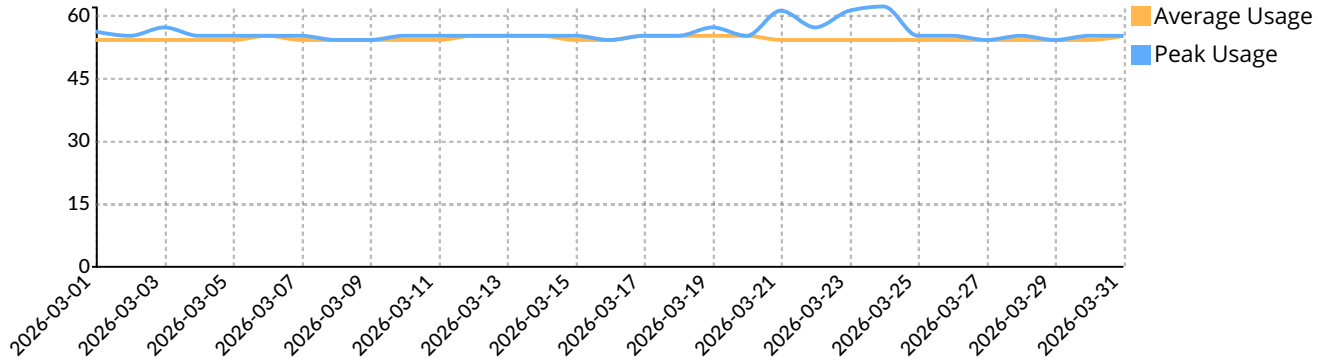


Resource Usage Details - BR-SERPRO11136-STF-SantaFe_Ant

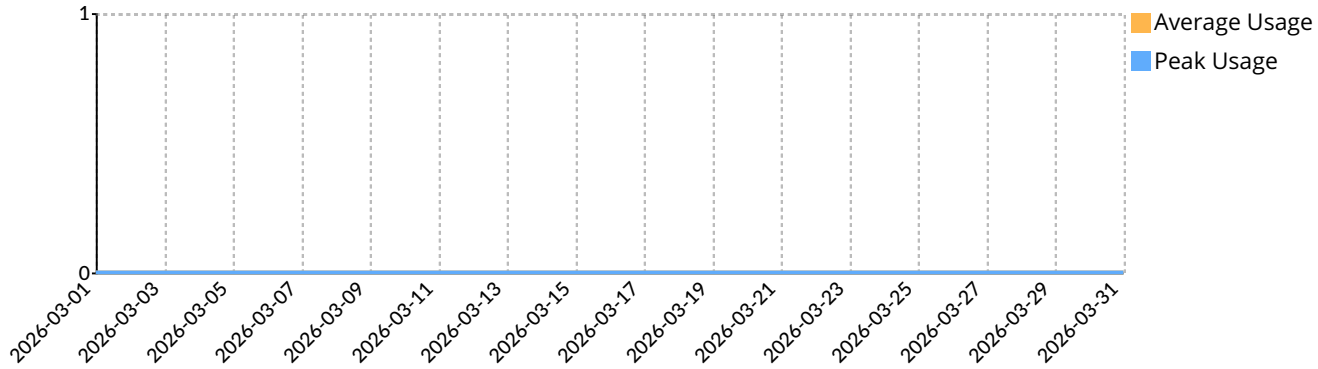
CPU Usage



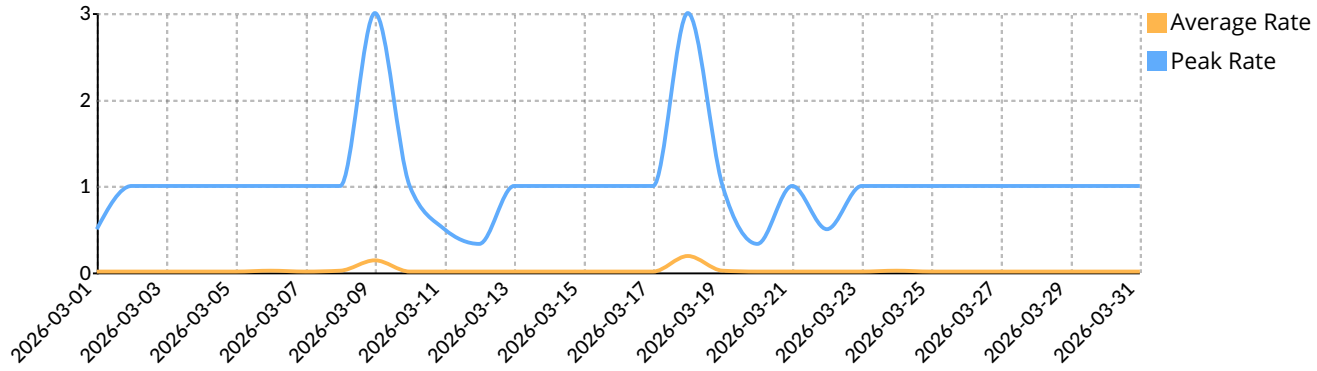
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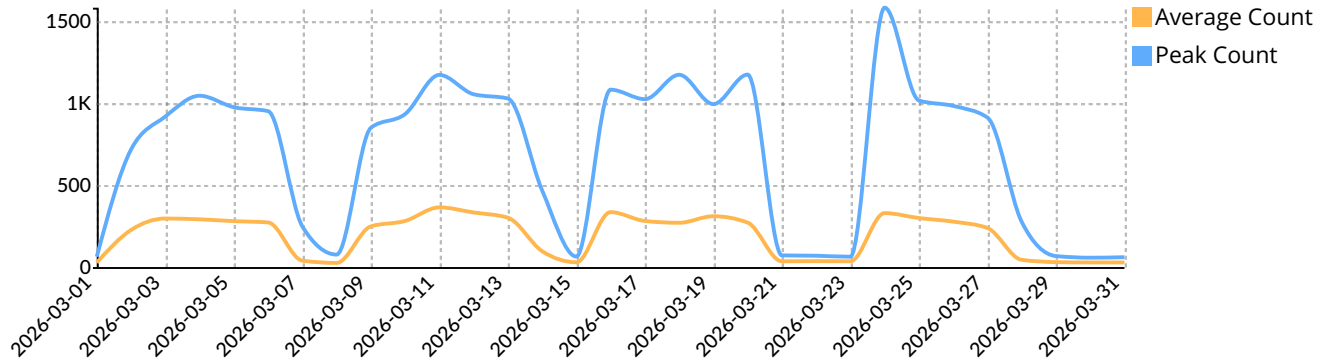
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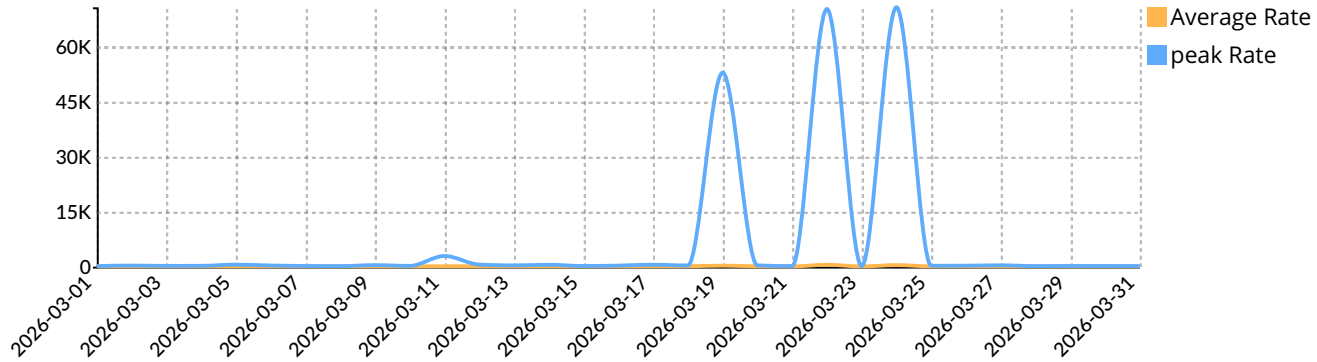
Logs per second



Sessions

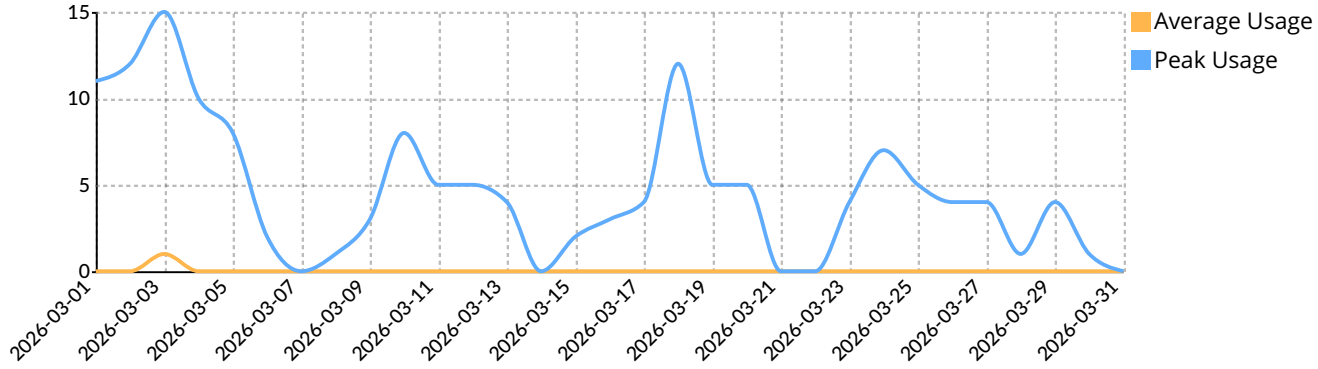


Bandwidth Rate

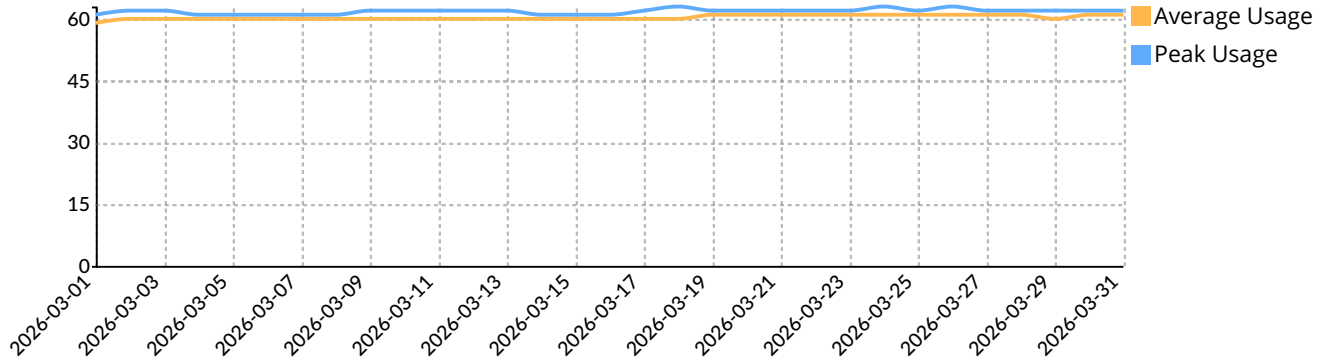


Resource Usage Details - BR-SERPRO11098-SAR-SantaRosa

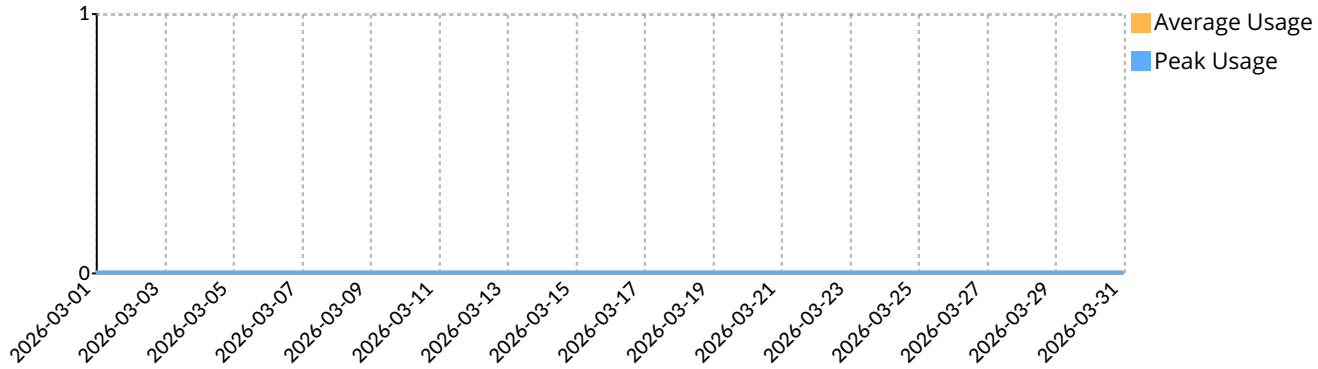
CPU Usage



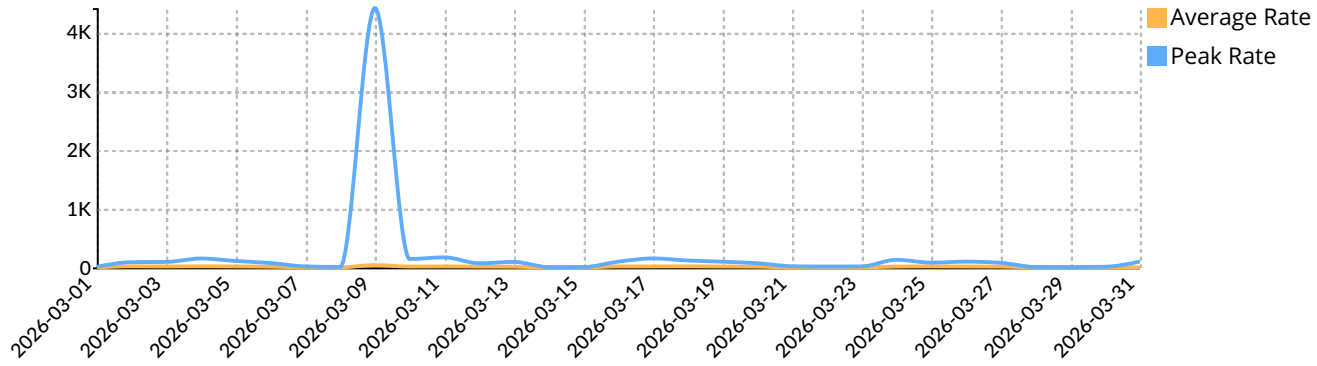
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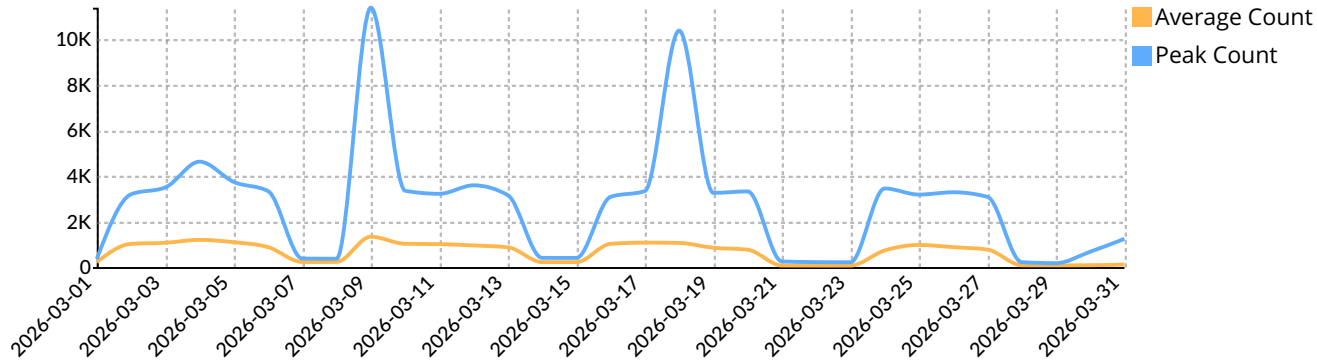
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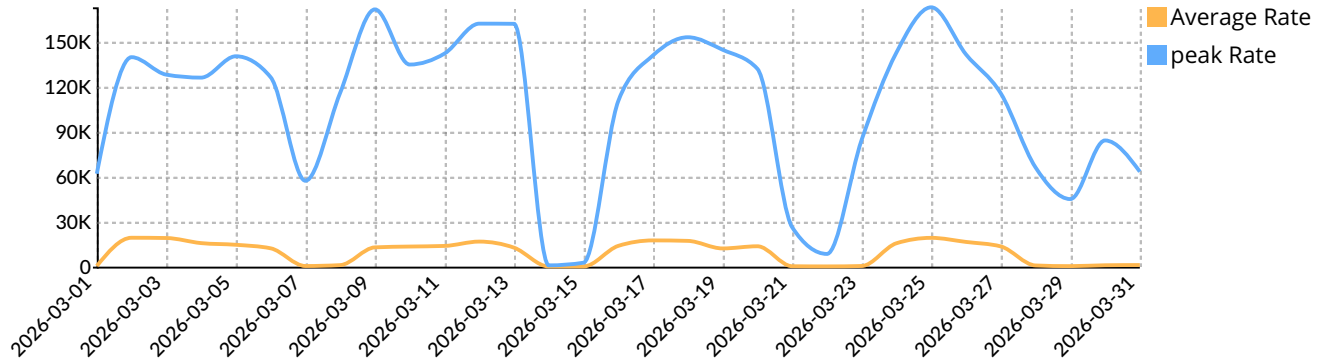
Logs per second



Sessions

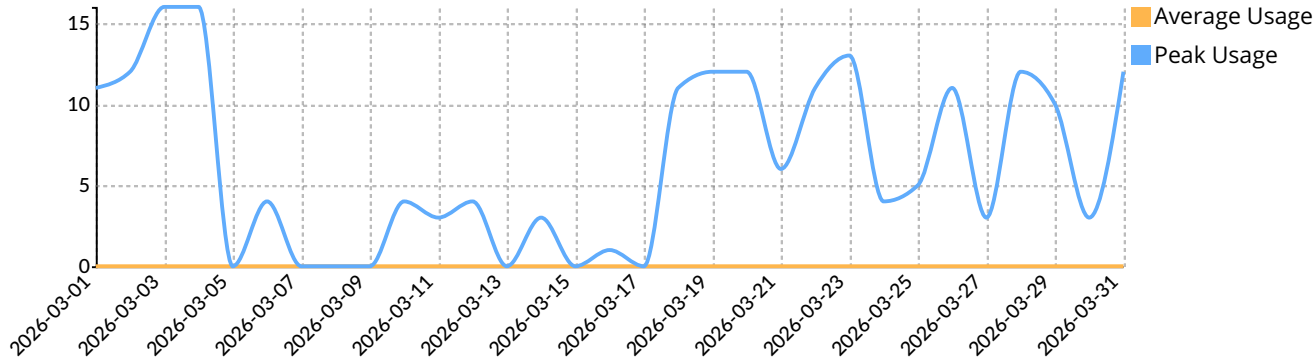


Bandwidth Rate

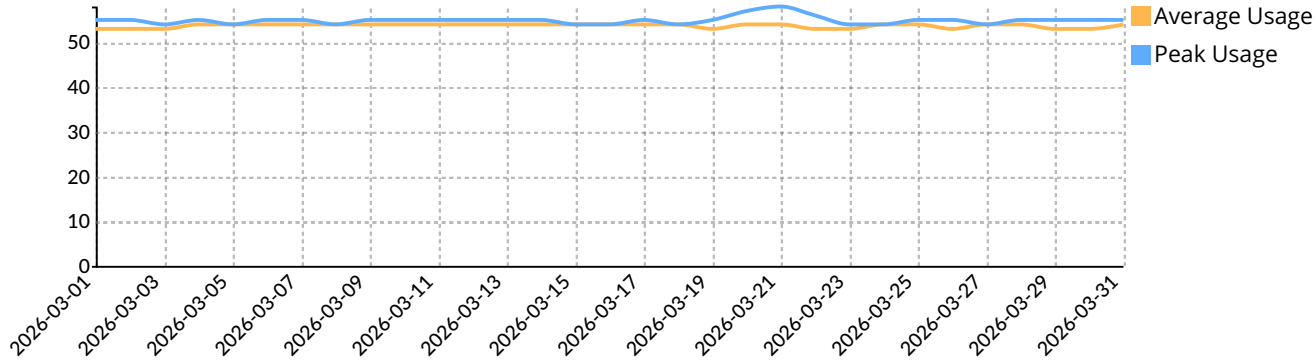


Resource Usage Details - H2-SERPRO11031-CAQ-Caucasia

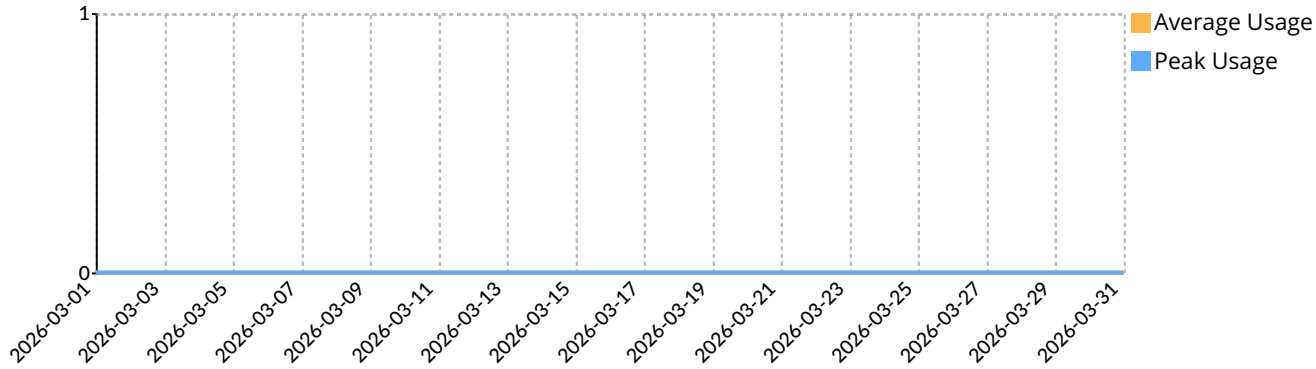
CPU Usage



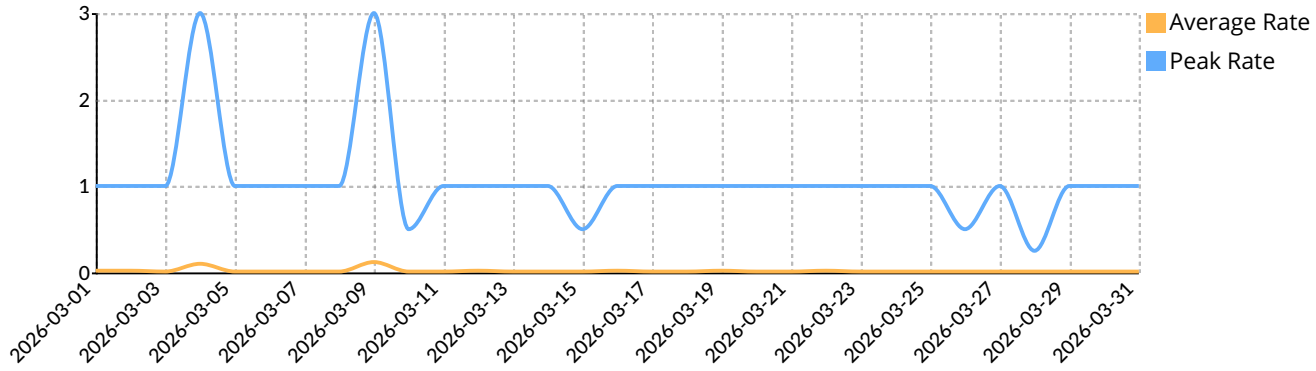
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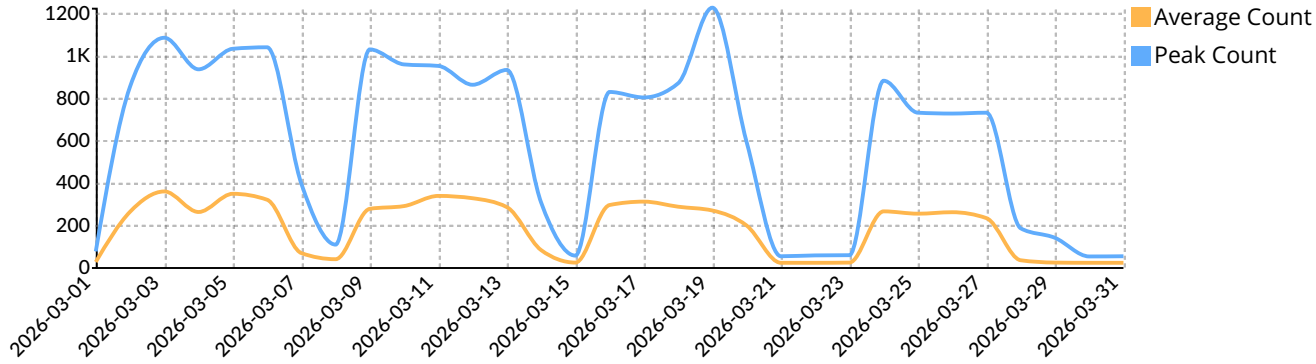
Disk Usage



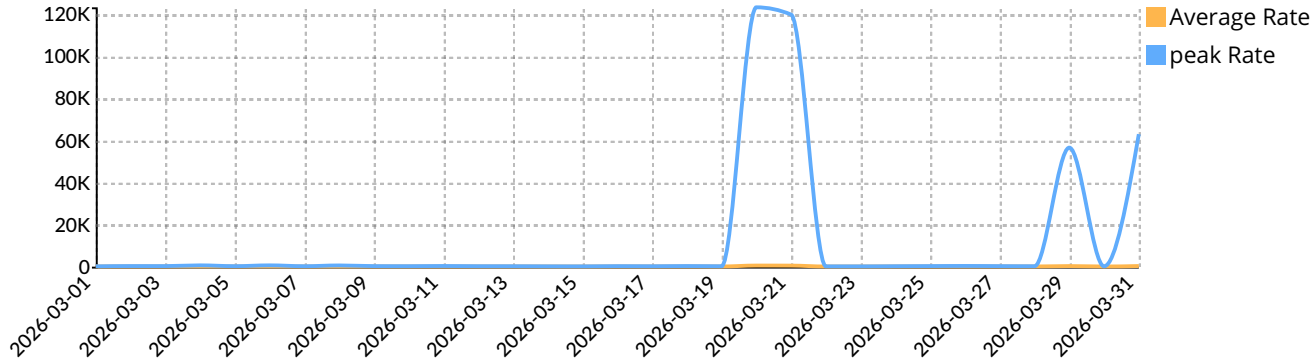
Logs per second



Sessions

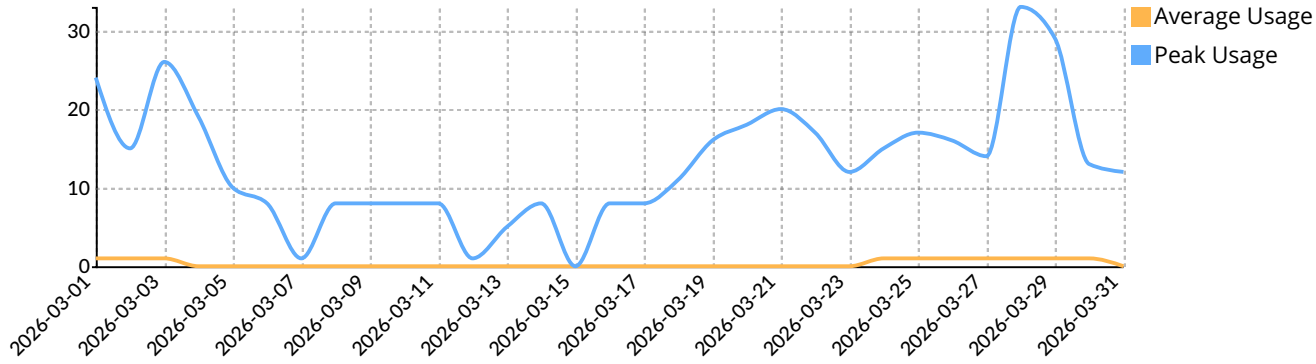


Bandwidth Rate

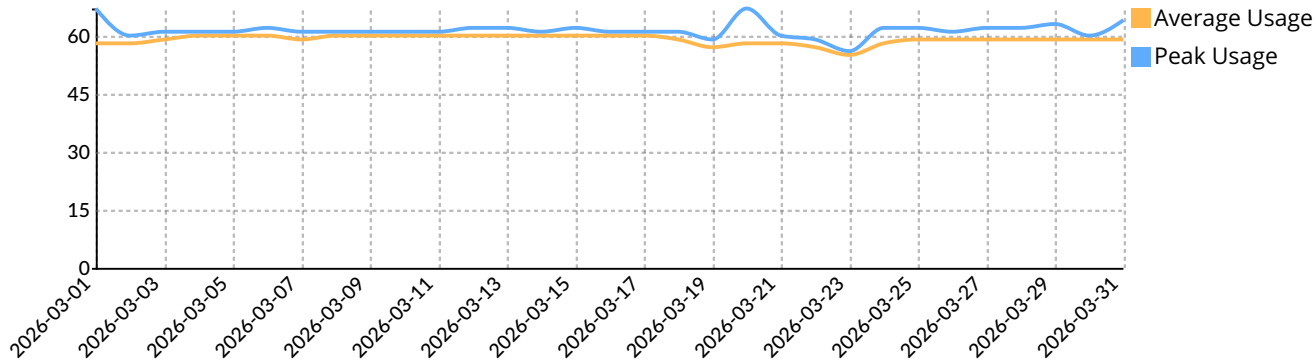


Resource Usage Details - H2-SERPRO11031-CAQ-Caucasia

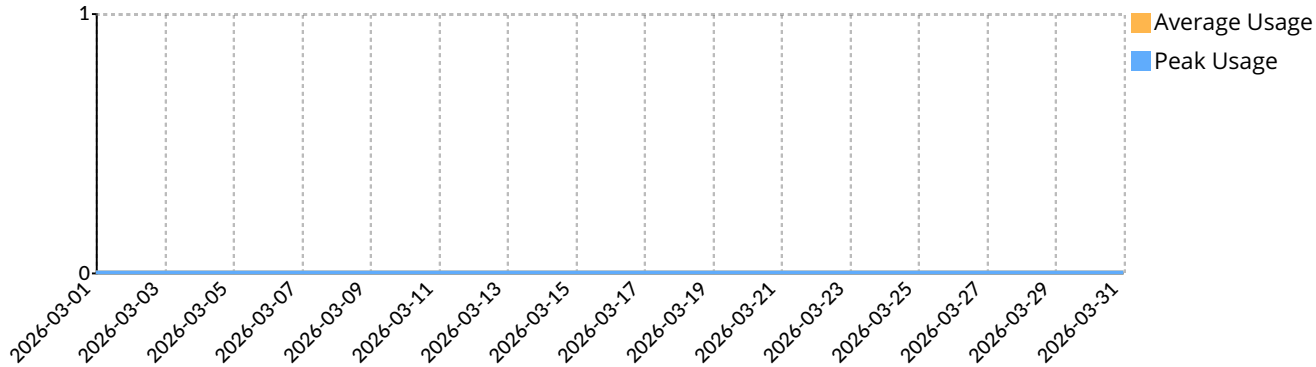
CPU Usage



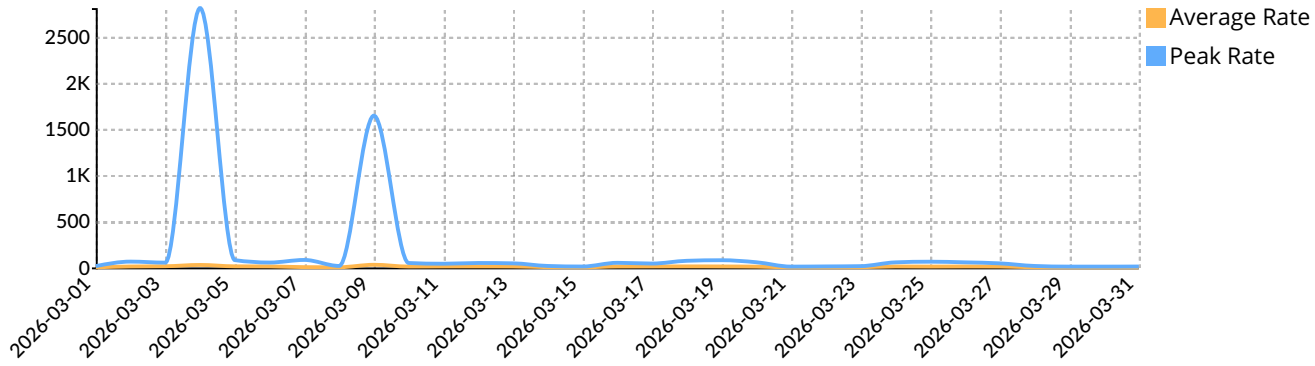
Memory Usage



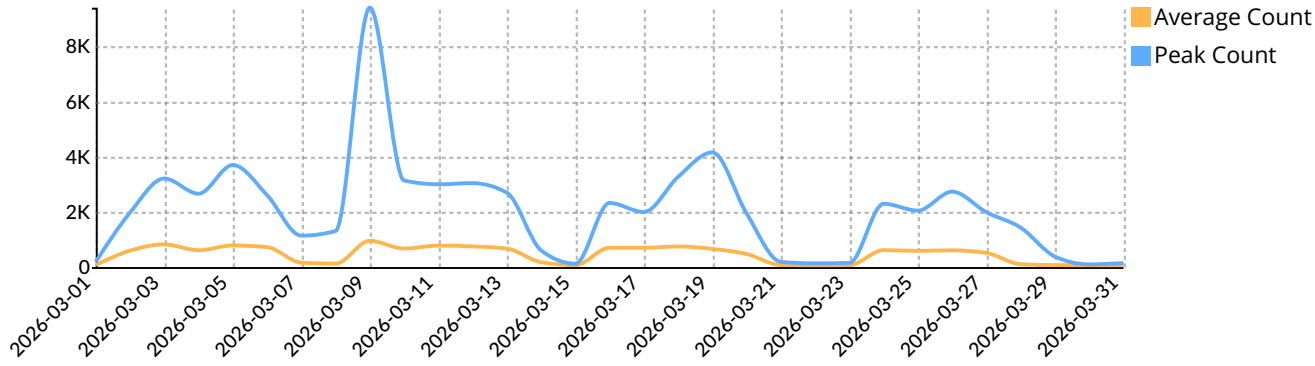
Disk Usage



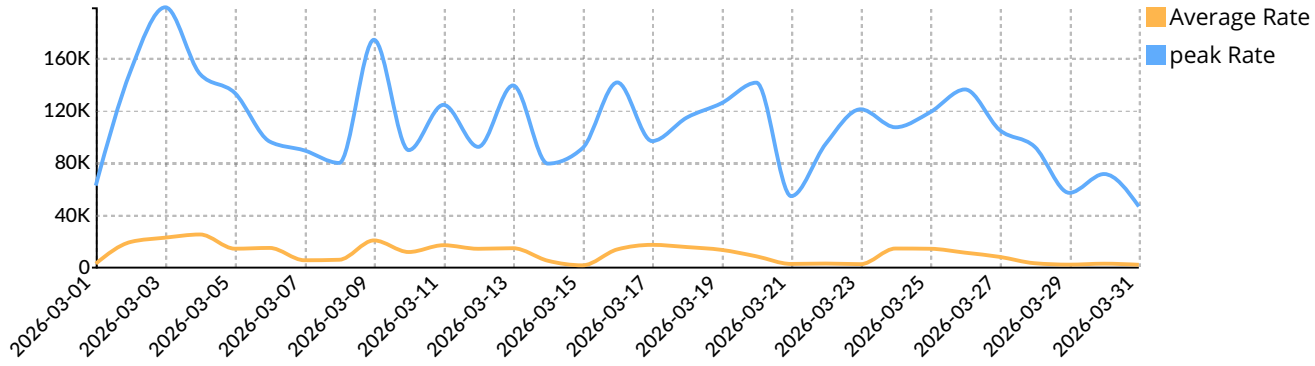
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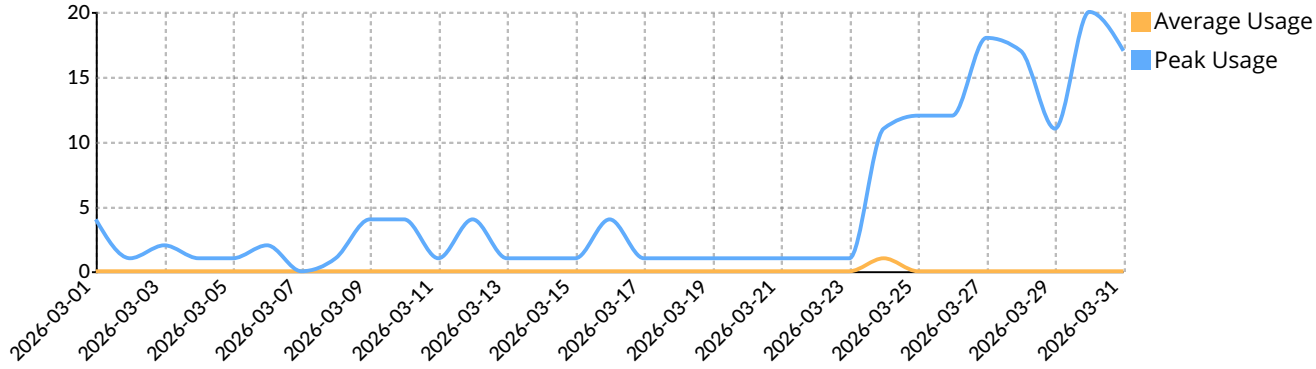


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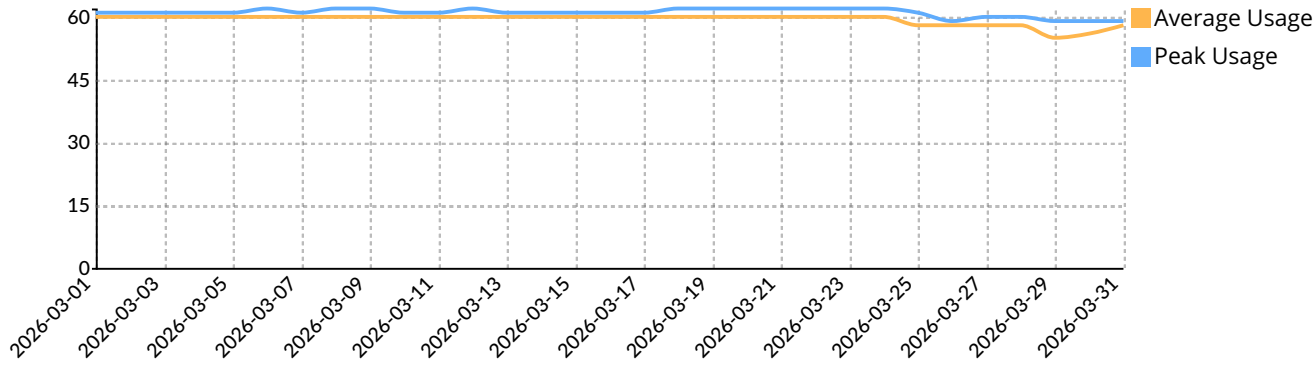


Resource Usage Details - BR-SERPRO47325-MDE-SantaElena

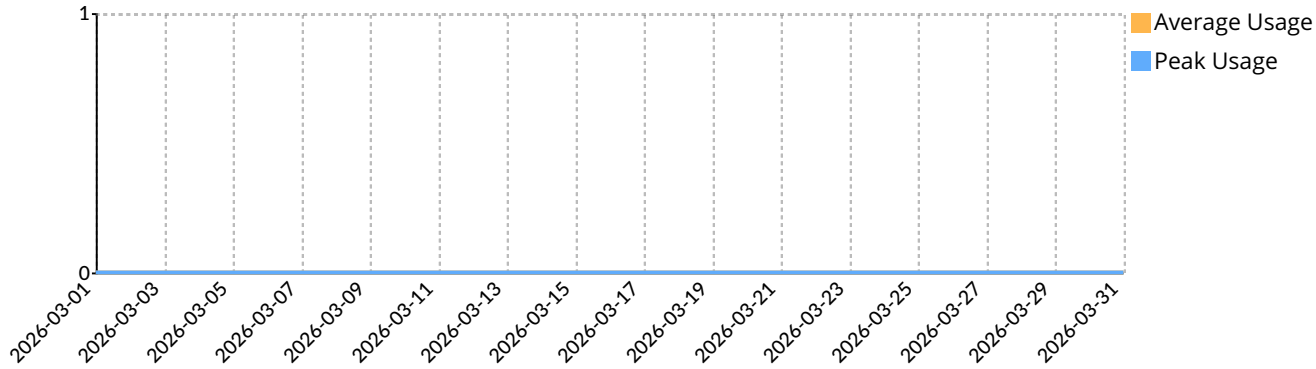
CPU Usage



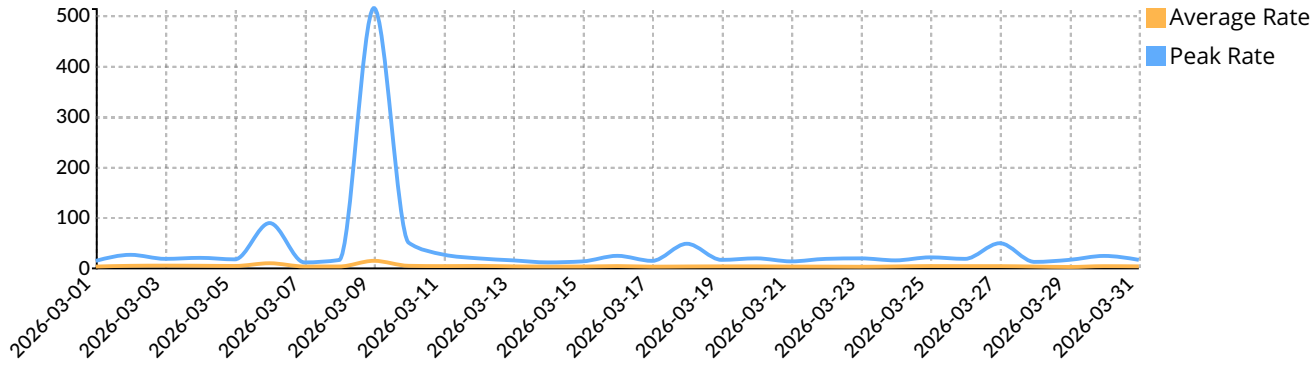
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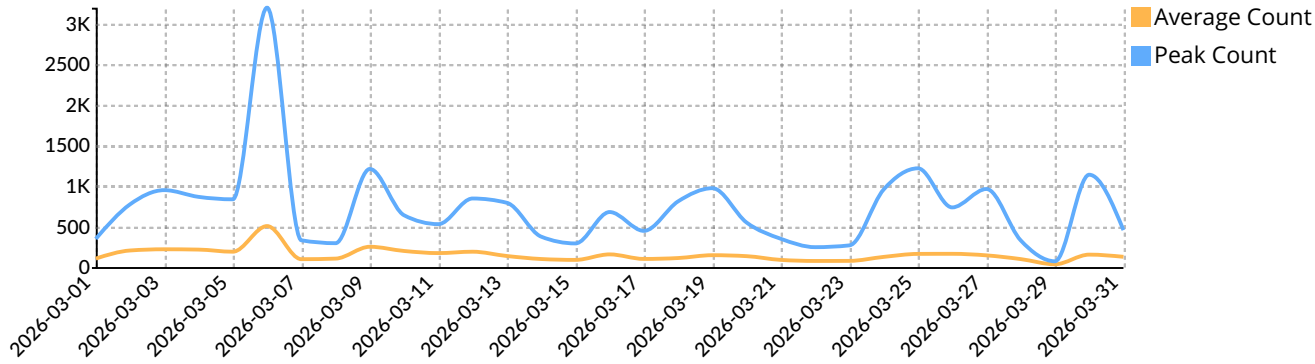
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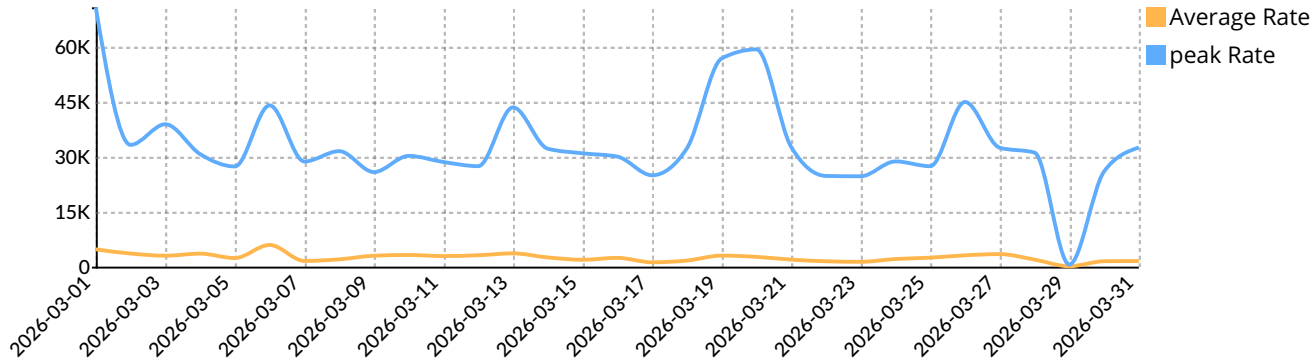
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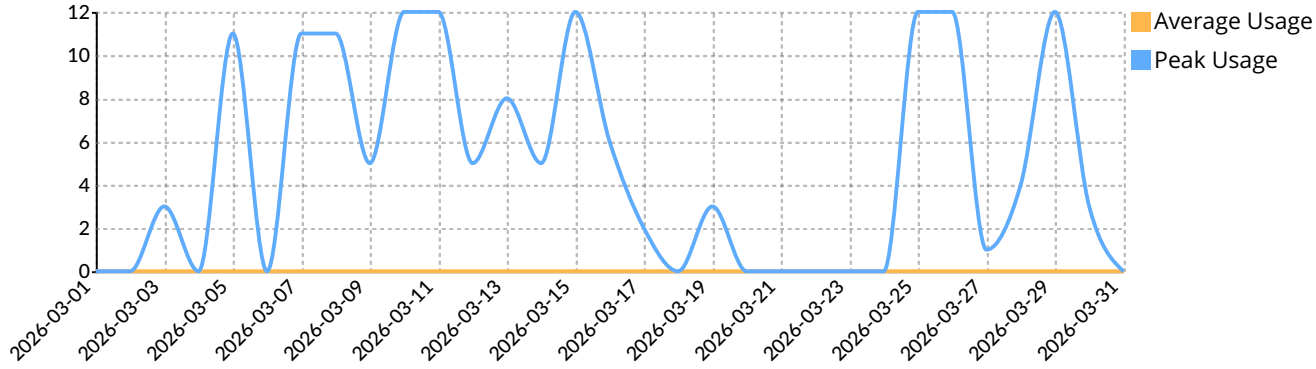


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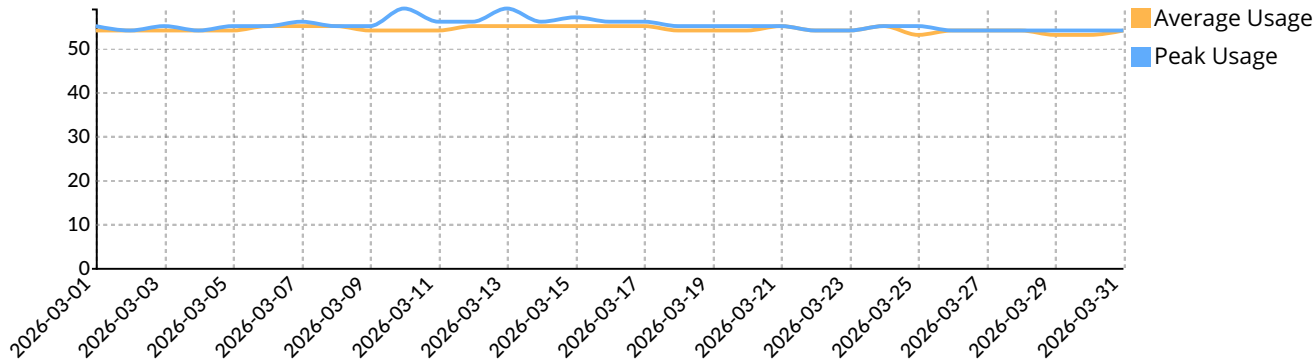


Resource Usage Details - BR-SERPRO47325-MDE-SantaElena

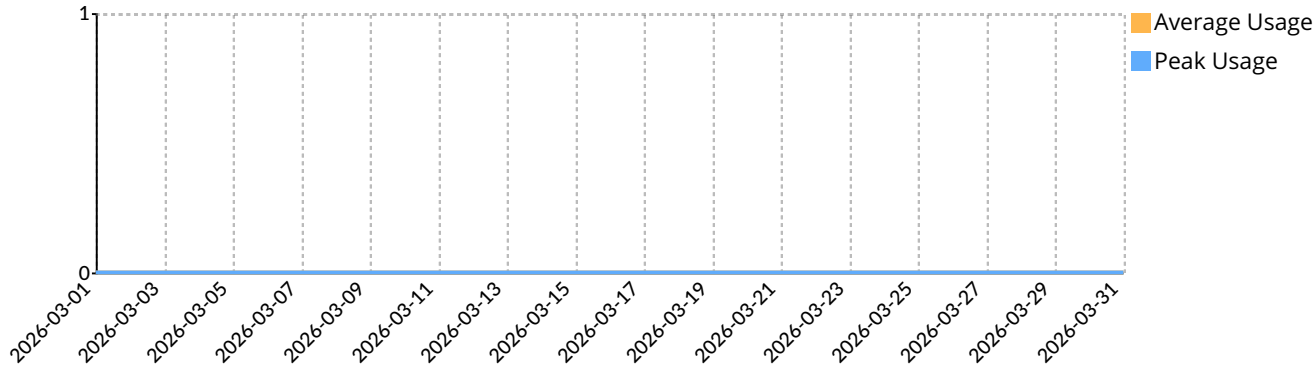
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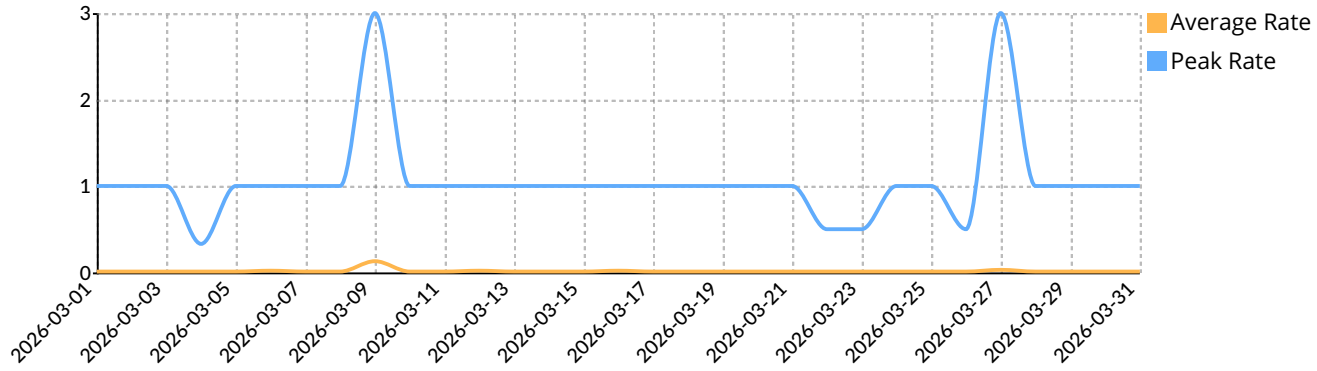
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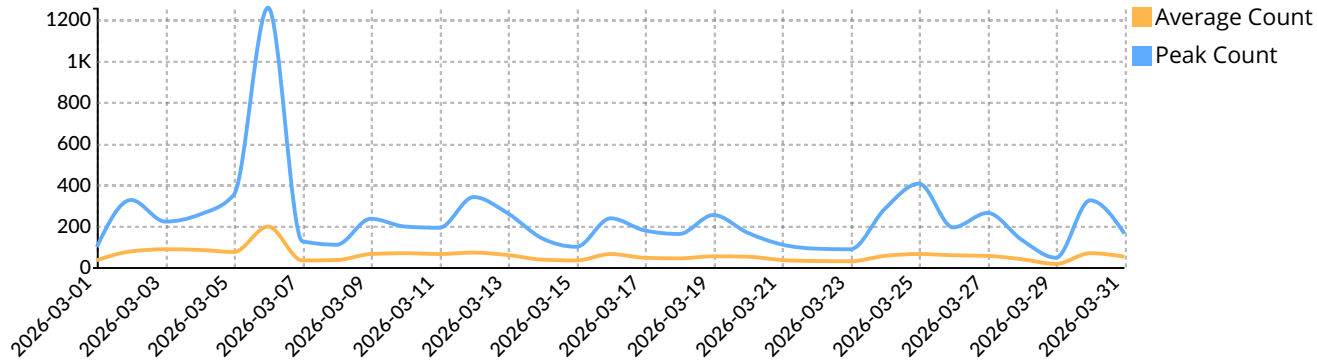
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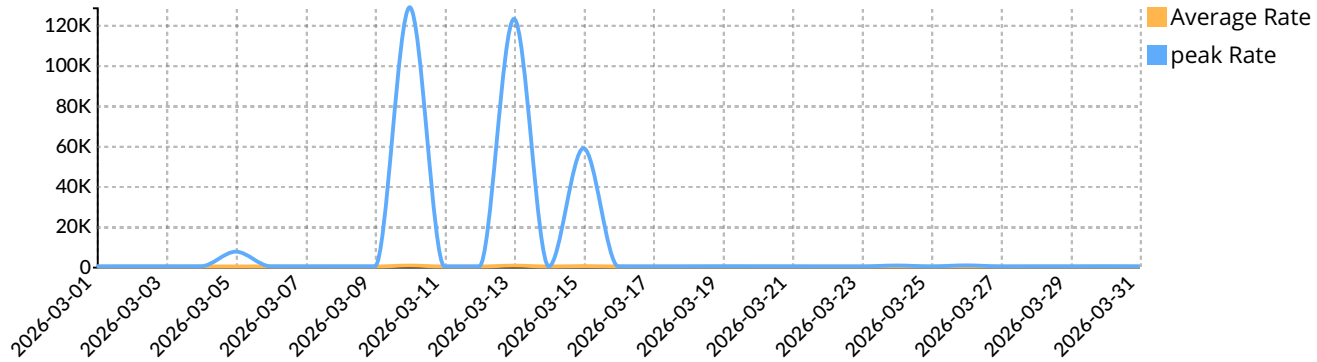
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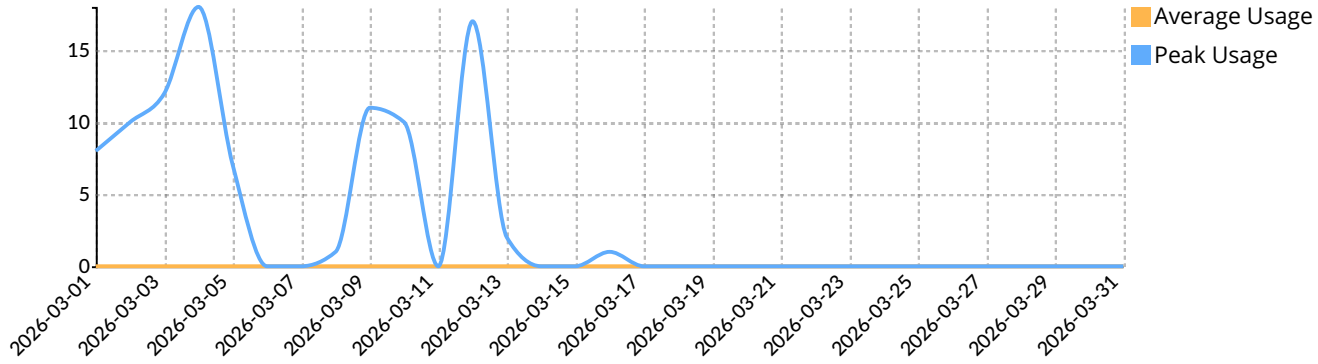


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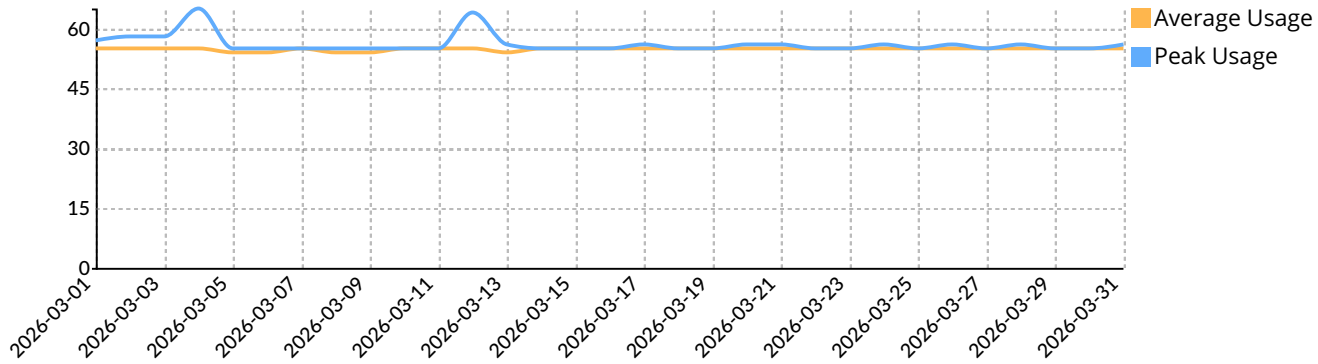


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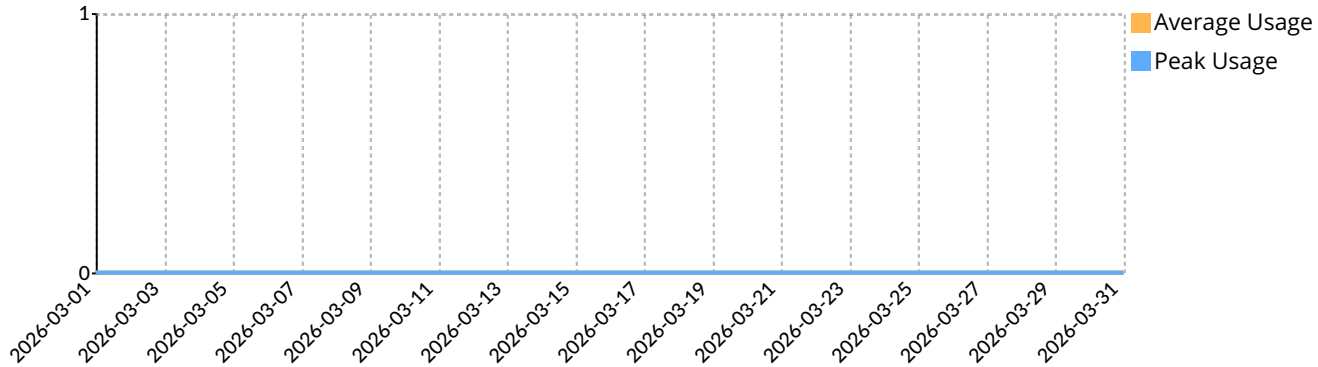
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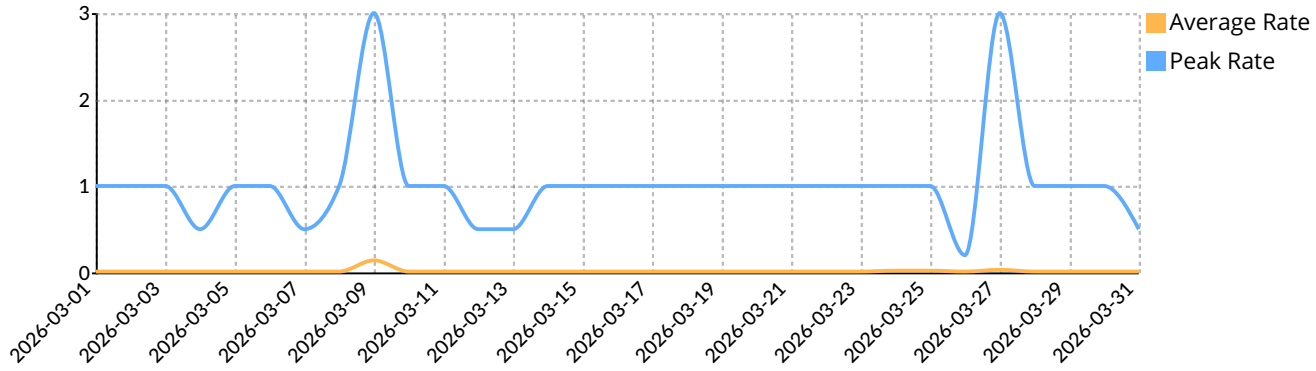
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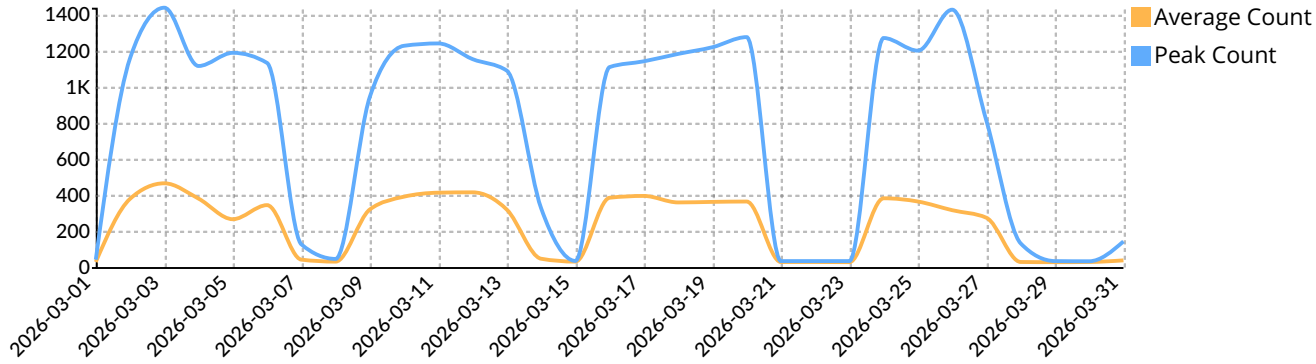
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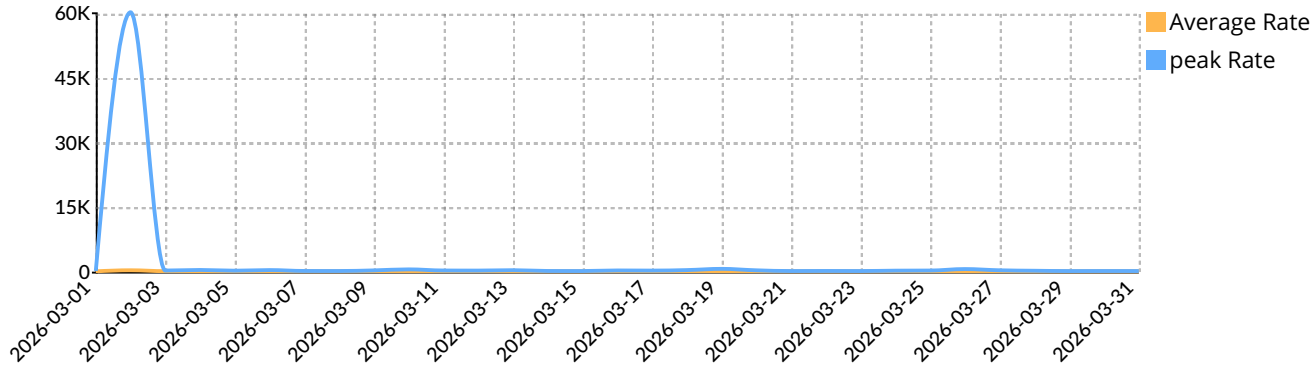
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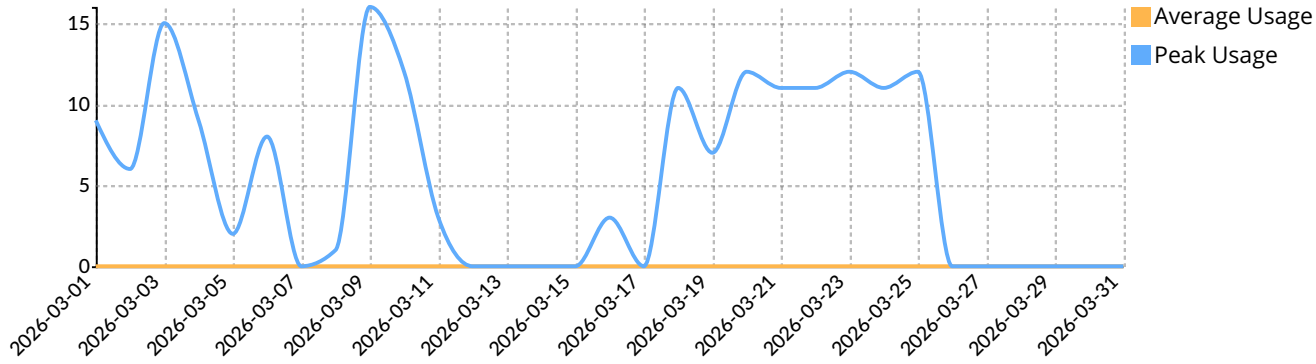


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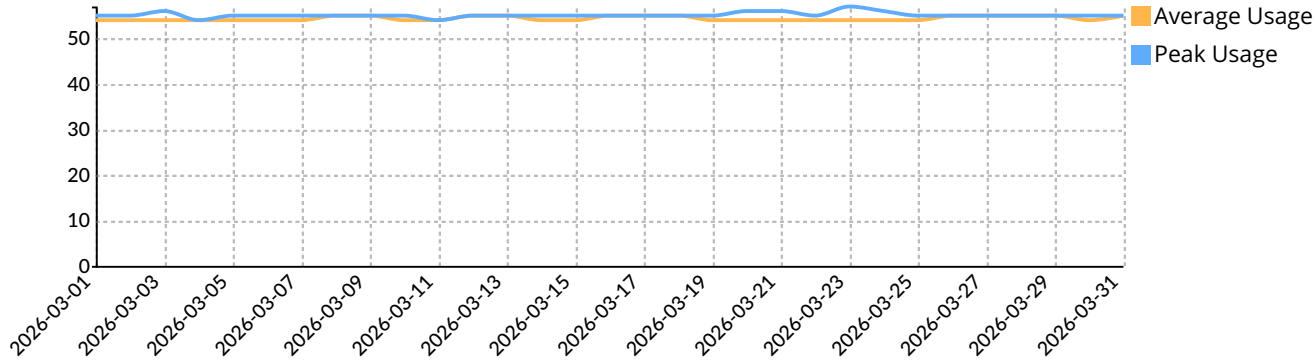


Resource Usage Details - BR-SERPRO11098-SAR-SantaRosa

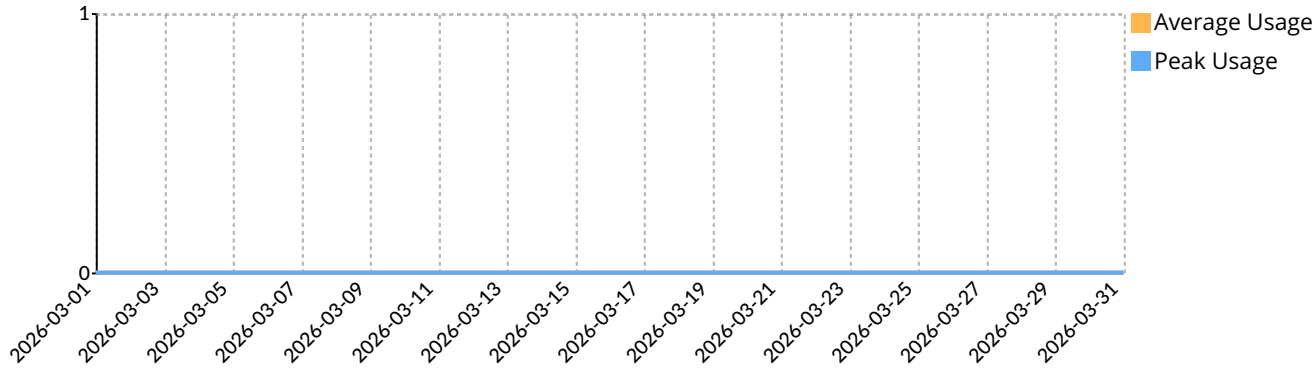
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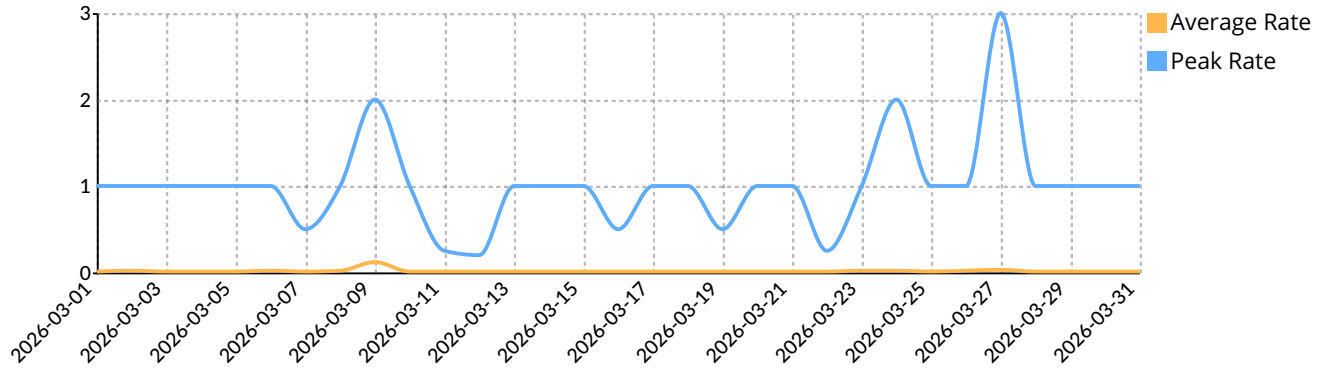
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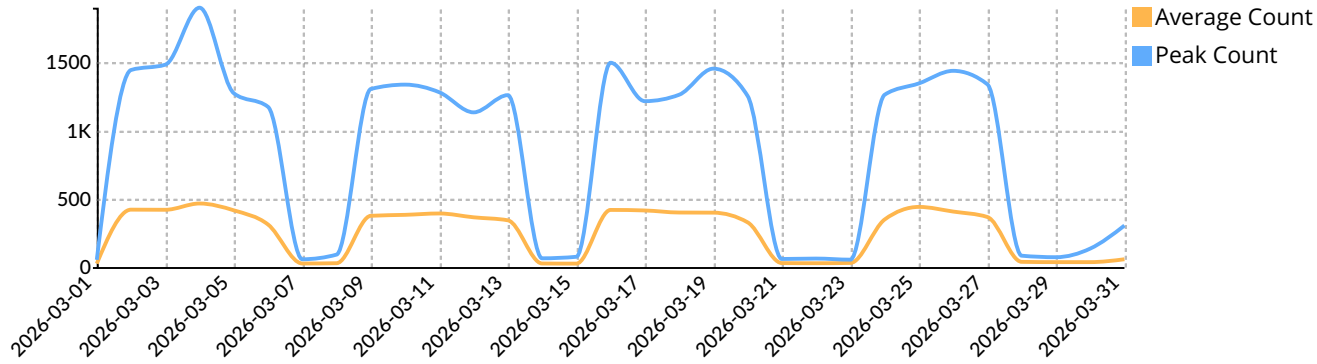
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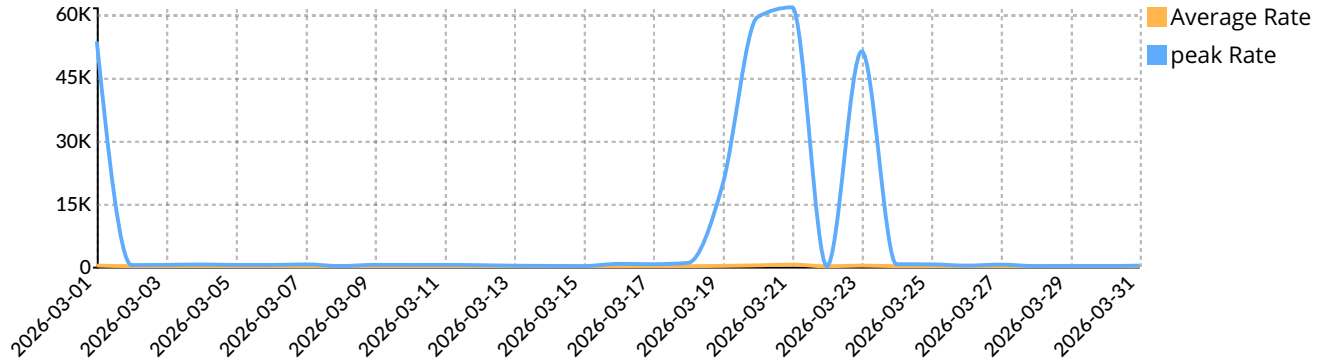
Logs per second



Sessions



Bandwidth Rate



Appendix A

Devices (10)

BR-SERPRO10941-JER-Jerico
BR-SERPRO11032-ADN-Andes
BR-SERPRO11098-SAR-SantaRosa
BR-SERPRO11135-EBG-El_Bagre
BR-SERPRO11136-STF-SantaFe_Ant
BR-SERPRO47319-VEG-Vegachi
BR-SERPRO47325-MDE-SantaElena
FAZVMSTM25005880
H1-SERPRO47324-MDE-Centro
H2-SERPRO11031-CAQ-Caucasia



NIT	NUMERO INCIDENTE	CHA RECEPCI	FECHA DE SOLUCION	RAZON SOCIA	IMPUTABLE	TIPO DE PROBLEMA	RESOLUCIÓN	PRIORIDAD	DEPARTAMENTO	MUNICIPIO	DIRECCION	IDENTIFICADOR	NEA PRODUC	INDISPONIBILIDAD EN MINUTOS	INDISPONIBILIDA	% DISPONIBILIDAD

NIT	NUMERO INCIDENTE	FECHA RECEI	FECHA DE SOLUCION	RAZON SOCIA	IMPUTABLE	TIPO DE PROBLEMA	DETALLE	PRIORIDAD	DEPARTAMENTO	MUNICIPIO	DIRECCION	IDENTIFICADOR	LINEA PROD.	CALCULO MINUTOS INDISP	CALCULO PORC IN	CALCULO PORC DI	Columna1	Columna2	Columna3
811000231	INC000000621326	18/03/2026	19/03/2026 02:18:44	CORPORACIO	Tigo UNE	Servicio caido	La causa fue: Apagado de la ruta de backup entre nodos IAPL	Alta	Antioquia	Caucasia	CL 9 A CR 24	213621911	Conectividad	431,0	1	99			
811000231	INC000000618699	17/03/2026	19/03/2026 12:08:0	CORPORACIO	Cliente	Servicio caido	La causa fue: sin afectacion a nivel de red TIGO. La solucion fi	Alta	Antioquia	Medellin	6.214663, -7	213624688	Conectividad	88,35	0,0	100			



Secure SD-WAN Report

Report Date: April 1, 2026 03:08

Data Range: 2026-03-01 00:00:00 2026-03-31 23:59:59COT

Table of Contents

Introduction Secure SD-WAN 6
SD-WAN Performance 8
Overview of Device - BR-SERPRO47319-VEG-Vegachi 8
SD-WAN Availability 8
Latency After SD-WAN Implementation (ms) 8
Jitter After SD-WAN Implementation (ms) 9
Packet Loss After SD-WAN Implementation 9
Overview of Device - H1-SERPRO47324-MDE-Centro 9
SD-WAN Availability 9
Latency After SD-WAN Implementation (ms) 10
Jitter After SD-WAN Implementation (ms) 10
Packet Loss After SD-WAN Implementation 10
Overview of Device - H2-SERPRO11031-CAQ-Caucasia 10
SD-WAN Availability 10
Latency After SD-WAN Implementation (ms) 11
Jitter After SD-WAN Implementation (ms) 11
Packet Loss After SD-WAN Implementation 11
Overview of Device - BR-SERPRO11136-STF-SantaFe_Ant 12
SD-WAN Availability 12
Latency After SD-WAN Implementation (ms) 12
Jitter After SD-WAN Implementation (ms) 13
Packet Loss After SD-WAN Implementation 13
Overview of Device - BR-SERPRO11032-ADN-Andes 13
SD-WAN Availability 13
Latency After SD-WAN Implementation (ms) 14
Jitter After SD-WAN Implementation (ms) 14
Packet Loss After SD-WAN Implementation 15
Overview of Device - BR-SERPRO11098-SAR-SantaRosa 15
SD-WAN Availability 15
Latency After SD-WAN Implementation (ms) 16
Jitter After SD-WAN Implementation (ms) 16
Packet Loss After SD-WAN Implementation 16
Overview of Device - BR-SERPRO10941-JER-Jerico 17
SD-WAN Availability 17
Latency After SD-WAN Implementation (ms) 17
Jitter After SD-WAN Implementation (ms) 18
Packet Loss After SD-WAN Implementation 18
Overview of Device - BR-SERPRO11135-EBG-El_Bagre 18
SD-WAN Availability 18
Latency After SD-WAN Implementation (ms) 19
Jitter After SD-WAN Implementation (ms) 19
Packet Loss After SD-WAN Implementation 19
Overview of Device - BR-SERPRO47325-MDE-SantaElena 20
SD-WAN Availability 20
Latency After SD-WAN Implementation (ms) 20
Jitter After SD-WAN Implementation (ms) 21
Packet Loss After SD-WAN Implementation 21
Overview of Device - BR-SERPRO47319-VEG-Vegachi 21
SD-WAN Availability 21
Latency After SD-WAN Implementation (ms) 22
Jitter After SD-WAN Implementation (ms) 22

Packet Loss After SD-WAN Implementation 22

SD-WAN Link Health Status 22
SD-WAN Link Quality 29
Device - BR-SERPRO47319-VEG-Vegachi 30
Latency by WAN Link Over Time (ms) 30
Jitter by WAN Link Over Time (ms) 30
Packet Loss by WAN Link Over Time 30

Device - H1-SERPRO47324-MDE-Centro 31
Latency by WAN Link Over Time (ms) 31
Jitter by WAN Link Over Time (ms) 31
Packet Loss by WAN Link Over Time 31

Device - H2-SERPRO11031-CAQ-Caucasia 32
Latency by WAN Link Over Time (ms) 32
Jitter by WAN Link Over Time (ms) 32
Packet Loss by WAN Link Over Time 32

Device - BR-SERPRO11136-STF-SantaFe_Ant 33
Latency by WAN Link Over Time (ms) 33
Jitter by WAN Link Over Time (ms) 33
Packet Loss by WAN Link Over Time 33

Device - BR-SERPRO11032-ADN-Andes 34
Latency by WAN Link Over Time (ms) 34
Jitter by WAN Link Over Time (ms) 34
Packet Loss by WAN Link Over Time 34

Device - BR-SERPRO11098-SAR-SantaRosa 35
Latency by WAN Link Over Time (ms) 35
Jitter by WAN Link Over Time (ms) 35
Packet Loss by WAN Link Over Time 35

Device - BR-SERPRO10941-JER-Jerico 36
Latency by WAN Link Over Time (ms) 36
Jitter by WAN Link Over Time (ms) 36
Packet Loss by WAN Link Over Time 36

Device - BR-SERPRO11135-EBG-El_Bagre 37
Latency by WAN Link Over Time (ms) 37
Jitter by WAN Link Over Time (ms) 37
Packet Loss by WAN Link Over Time 37

Device - BR-SERPRO47325-MDE-SantaElena 38
Latency by WAN Link Over Time (ms) 38
Jitter by WAN Link Over Time (ms) 38
Packet Loss by WAN Link Over Time 38

Device - BR-SERPRO47319-VEG-Vegachi 39
Latency by WAN Link Over Time (ms) 39
Jitter by WAN Link Over Time (ms) 39
Packet Loss by WAN Link Over Time 39

Service Level Agreements (SLAs) 40
Device - BR-SERPRO47319-VEG-Vegachi 40
SLA Rules Link Percentage Within Latency Threshold 40
SLA Rules Link Percentage Within Jitter Threshold 40
SLA Rules Link Percentage Within Packet Loss Threshold 40
Latency by Link and SLA Rule Over Time (ms) 41
Jitter by Link and SLA Rule Over Time (ms) 41
Packet Loss by Link and SLA Rule Over Time 41

Device - H1-SERPRO47324-MDE-Centro 41
SLA Rules Link Percentage Within Latency Threshold 41

SLA Rules Link Percentage Within Jitter Threshold 41
SLA Rules Link Percentage Within Packet Loss Threshold 42
Latency by Link and SLA Rule Over Time (ms) 42
Jitter by Link and SLA Rule Over Time (ms) 42
Packet Loss by Link and SLA Rule Over Time 42

Device - H2-SERPRO11031-CAQ-Caucasia 42
SLA Rules Link Percentage Within Latency Threshold 42
SLA Rules Link Percentage Within Jitter Threshold 43
SLA Rules Link Percentage Within Packet Loss Threshold 43
Latency by Link and SLA Rule Over Time (ms) 43
Jitter by Link and SLA Rule Over Time (ms) 43
Packet Loss by Link and SLA Rule Over Time 43

Device - BR-SERPRO11136-STF-SantaFe_Ant 44
SLA Rules Link Percentage Within Latency Threshold 44
SLA Rules Link Percentage Within Jitter Threshold 44
SLA Rules Link Percentage Within Packet Loss Threshold 44
Latency by Link and SLA Rule Over Time (ms) 44
Jitter by Link and SLA Rule Over Time (ms) 44
Packet Loss by Link and SLA Rule Over Time 45

Device - BR-SERPRO11032-ADN-Andes 45
SLA Rules Link Percentage Within Latency Threshold 45
SLA Rules Link Percentage Within Jitter Threshold 45
SLA Rules Link Percentage Within Packet Loss Threshold 45
Latency by Link and SLA Rule Over Time (ms) 46
Jitter by Link and SLA Rule Over Time (ms) 46
Packet Loss by Link and SLA Rule Over Time 46

Device - BR-SERPRO11098-SAR-SantaRosa 46
SLA Rules Link Percentage Within Latency Threshold 46
SLA Rules Link Percentage Within Jitter Threshold 47
SLA Rules Link Percentage Within Packet Loss Threshold 47
Latency by Link and SLA Rule Over Time (ms) 47
Jitter by Link and SLA Rule Over Time (ms) 47
Packet Loss by Link and SLA Rule Over Time 48

Device - BR-SERPRO10941-JER-Jerico 48
SLA Rules Link Percentage Within Latency Threshold 48
SLA Rules Link Percentage Within Jitter Threshold 48
SLA Rules Link Percentage Within Packet Loss Threshold 48
Latency by Link and SLA Rule Over Time (ms) 49
Jitter by Link and SLA Rule Over Time (ms) 49
Packet Loss by Link and SLA Rule Over Time 49

Device - BR-SERPRO11135-EBG-El_Bagre 49
SLA Rules Link Percentage Within Latency Threshold 49
SLA Rules Link Percentage Within Jitter Threshold 49
SLA Rules Link Percentage Within Packet Loss Threshold 50
Latency by Link and SLA Rule Over Time (ms) 50
Jitter by Link and SLA Rule Over Time (ms) 50
Packet Loss by Link and SLA Rule Over Time 50

Device - BR-SERPRO47325-MDE-SantaElena 51
SLA Rules Link Percentage Within Latency Threshold 51
SLA Rules Link Percentage Within Jitter Threshold 51
SLA Rules Link Percentage Within Packet Loss Threshold 51
Latency by Link and SLA Rule Over Time (ms) 51
Jitter by Link and SLA Rule Over Time (ms) 51
Packet Loss by Link and SLA Rule Over Time 52

Device - BR-SERPRO47319-VEG-Vegachi 52
SLA Rules Link Percentage Within Latency Threshold 52

SLA Rules Link Percentage Within Jitter Threshold 52
SLA Rules Link Percentage Within Packet Loss Threshold 52
Latency by Link and SLA Rule Over Time (ms) 52
Jitter by Link and SLA Rule Over Time (ms) 53
Packet Loss by Link and SLA Rule Over Time 53

SD-WAN Utilization 53
Device - BR-SERPRO47319-VEG-Vegachi 53
Traffic Utilization by SD-WAN Rule 53

Device - H1-SERPRO47324-MDE-Centro 54
Traffic Utilization by SD-WAN Rule 54

Device - H2-SERPRO11031-CAQ-Caucasia 54
Traffic Utilization by SD-WAN Rule 54

Device - BR-SERPRO11136-STF-SantaFe_Ant 54
Traffic Utilization by SD-WAN Rule 54

Device - BR-SERPRO11032-ADN-Andes 54
Traffic Utilization by SD-WAN Rule 54

Device - BR-SERPRO11098-SAR-SantaRosa 55
Traffic Utilization by SD-WAN Rule 55

Device - BR-SERPRO10941-JER-Jerico 55
Traffic Utilization by SD-WAN Rule 55

Device - BR-SERPRO11135-EBG-El_Bagre 55
Traffic Utilization by SD-WAN Rule 55

Device - BR-SERPRO47325-MDE-SantaElena 55
Traffic Utilization by SD-WAN Rule 55

Device - BR-SERPRO47319-VEG-Vegachi 55
SD-WAN Applications 56
Traffic Distribution Over Application 56
SD-WAN Top Applications by Traffic Volume and Session 56
Device - BR-SERPRO47319-VEG-Vegachi 57
SD-WAN Device Traffic Distribution by Interface and Application 57

Device - H1-SERPRO47324-MDE-Centro 58
SD-WAN Device Traffic Distribution by Interface and Application 58

Device - H2-SERPRO11031-CAQ-Caucasia 59
SD-WAN Device Traffic Distribution by Interface and Application 59

Device - BR-SERPRO11136-STF-SantaFe_Ant 60
SD-WAN Device Traffic Distribution by Interface and Application 60

Device - BR-SERPRO11032-ADN-Andes 61
SD-WAN Device Traffic Distribution by Interface and Application 61

Device - BR-SERPRO11098-SAR-SantaRosa 62
SD-WAN Device Traffic Distribution by Interface and Application 62

Device - BR-SERPRO10941-JER-Jerico 63
SD-WAN Device Traffic Distribution by Interface and Application 63

Device - BR-SERPRO11135-EBG-El_Bagre 64
SD-WAN Device Traffic Distribution by Interface and Application 64

Device - BR-SERPRO47325-MDE-SantaElena 65
SD-WAN Device Traffic Distribution by Interface and Application 65

Device - BR-SERPRO47319-VEG-Vegachi 65
SD-WAN Users 65

SD-WAN Top Source by Traffic Volume 66
SD-WAN Top Source by Application and Traffic Volume 66
Appendix A 68
Devices (10) 68

Introduction Secure SD-WAN

As the use of business-critical, cloud-based applications and tools continue to increase, distributed organizations with multiple remote offices are switching from performance inhibited WANs to SD-WAN architectures. SD-WAN offers business application steering, cost savings, and performance for Software-as-a-Service (SaaS) applications, as well as unified communication services. However, SD-WAN has its own shortcomings—especially when it comes to security with direct internet access.

While the highlights are listed below, a more detailed information of each device follows.



99.09%

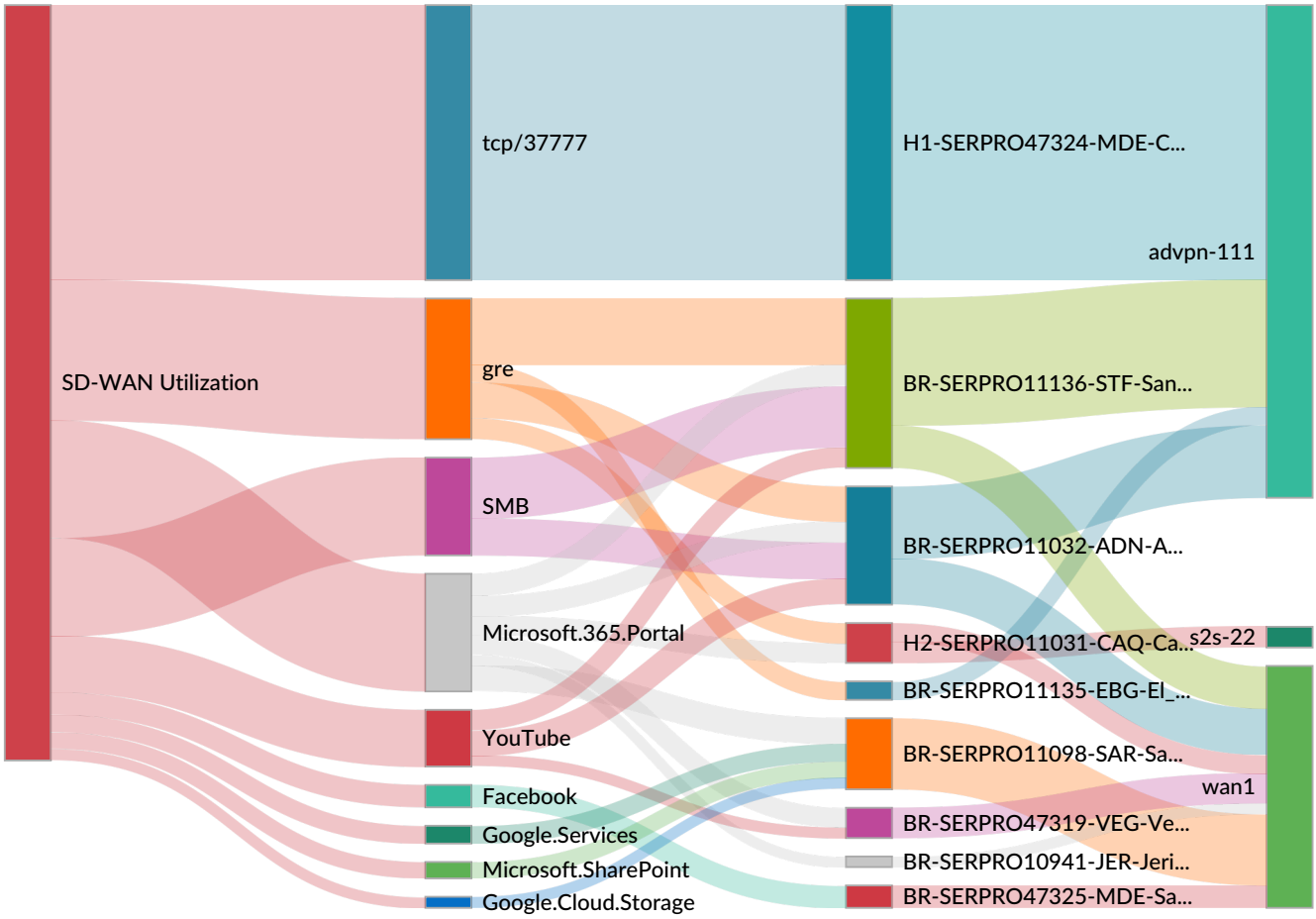
SD-WAN Availability



7.18 TB

SD-WAN Bandwidth

Application usage should have a strong influence on your network architecture. Understanding which types of applications are used and specifically business application performance can improve user experience and productivity. Following chart illustrates a breakout of applications specific to your network as ranked by traffic volume. These applications can be prioritized by leveraging SD-WAN application steering strategies and Service Level Agreements (SLAs) in order to engineer their optimal path to the Internet.

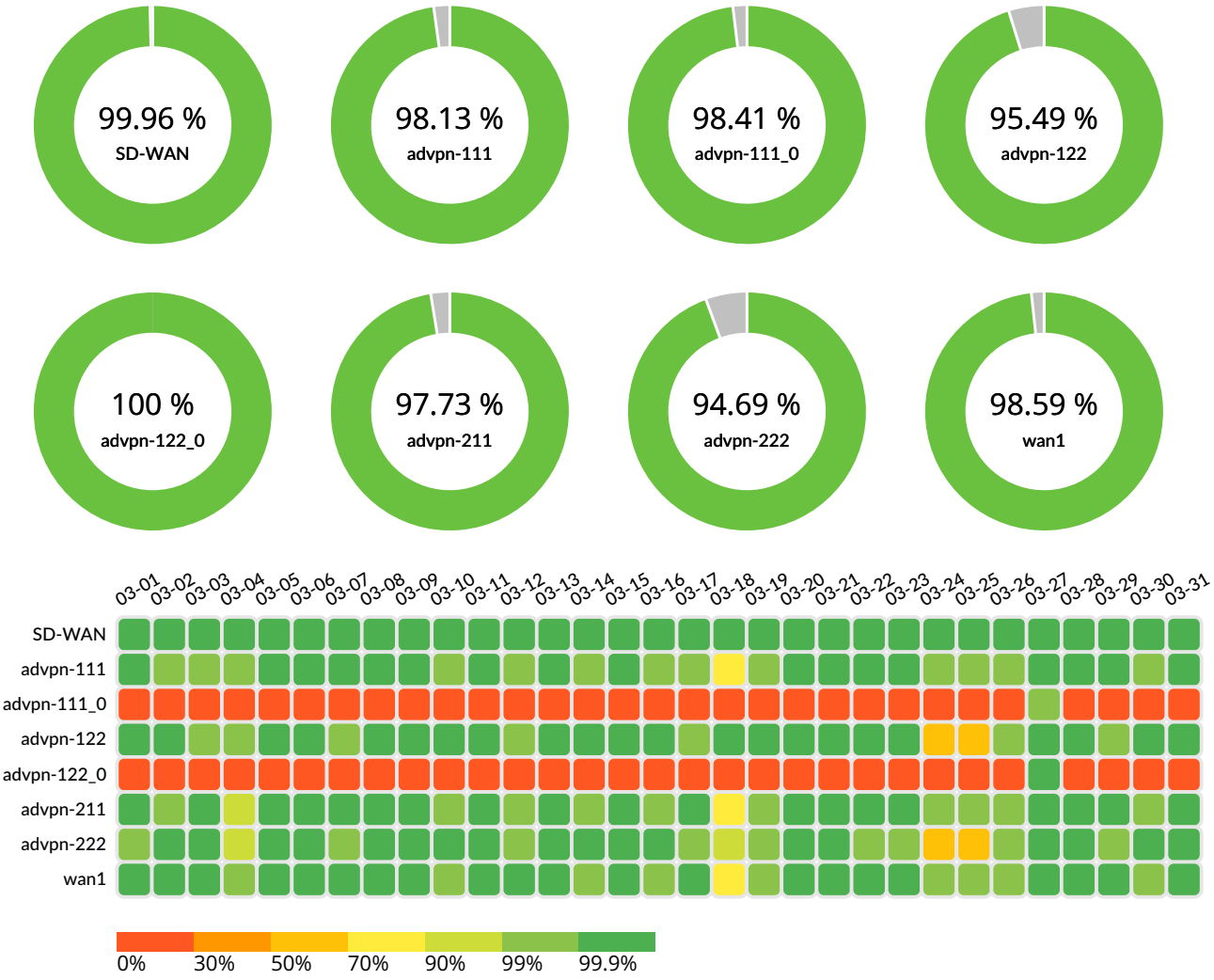

SD-WAN Utilization
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SMB
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Facebook
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advpn-111
BR-SERPRO11136-STF-San...
BR-SERPRO11032-ADN-A...
H2-SERPRO11031-CAQ-Ca...
s2s-22
BR-SERPRO11135-EBG-El_...
BR-SERPRO11098-SAR-Sa...
wan1
BR-SERPRO47319-VEG-Ve...
BR-SERPRO10941-JER-Jeri...
BR-SERPRO47325-MDE-Sa...

SD-WAN Performance

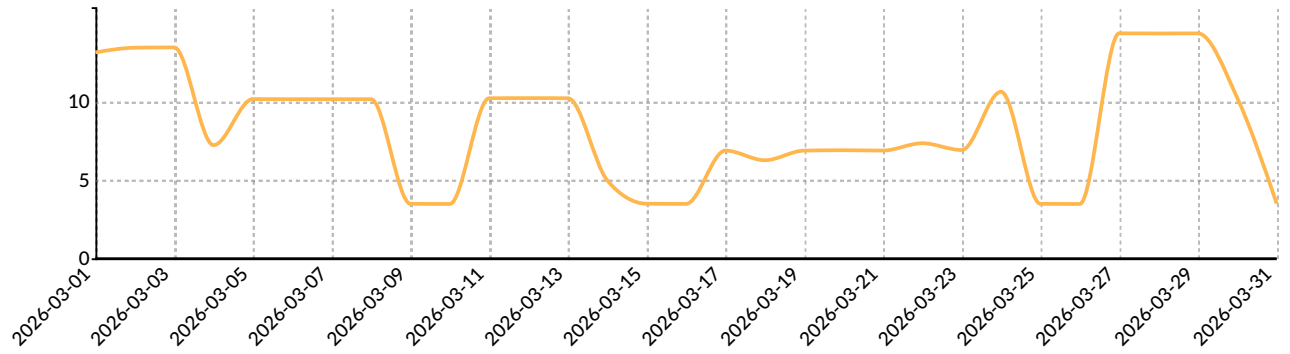
Multi-path technology can automatically fail over to the best available link when the primary WAN path degrades. This automation is built into the FortiGate, which reduces complexity for end-users while improving their experience and productivity.

Overview of Device - BR-SERPRO47319-VEG-Vegachi

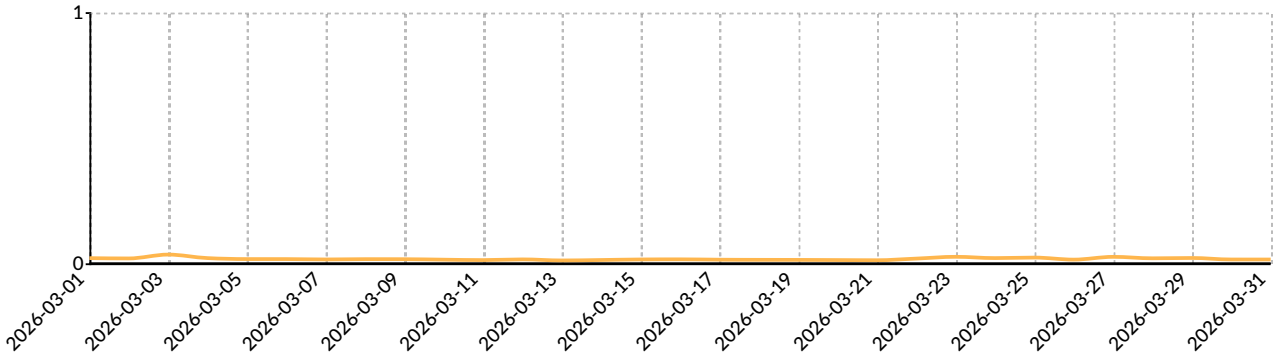
SD-WAN Availability



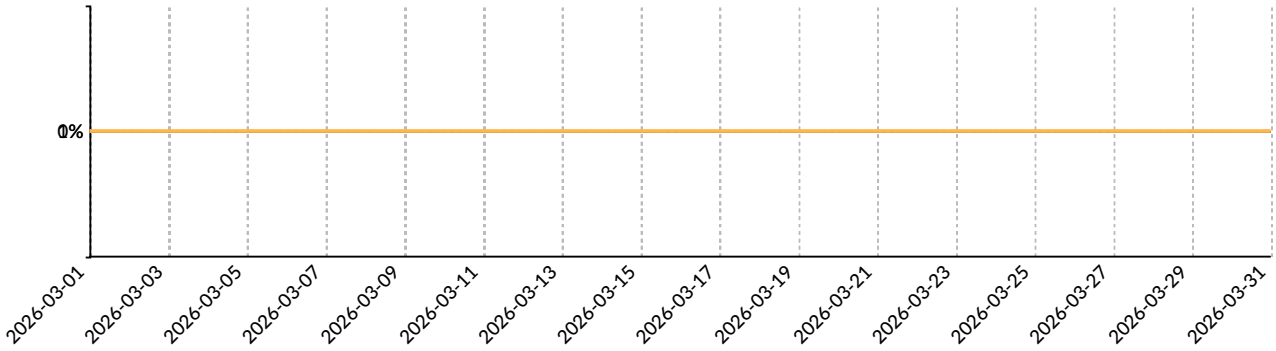
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

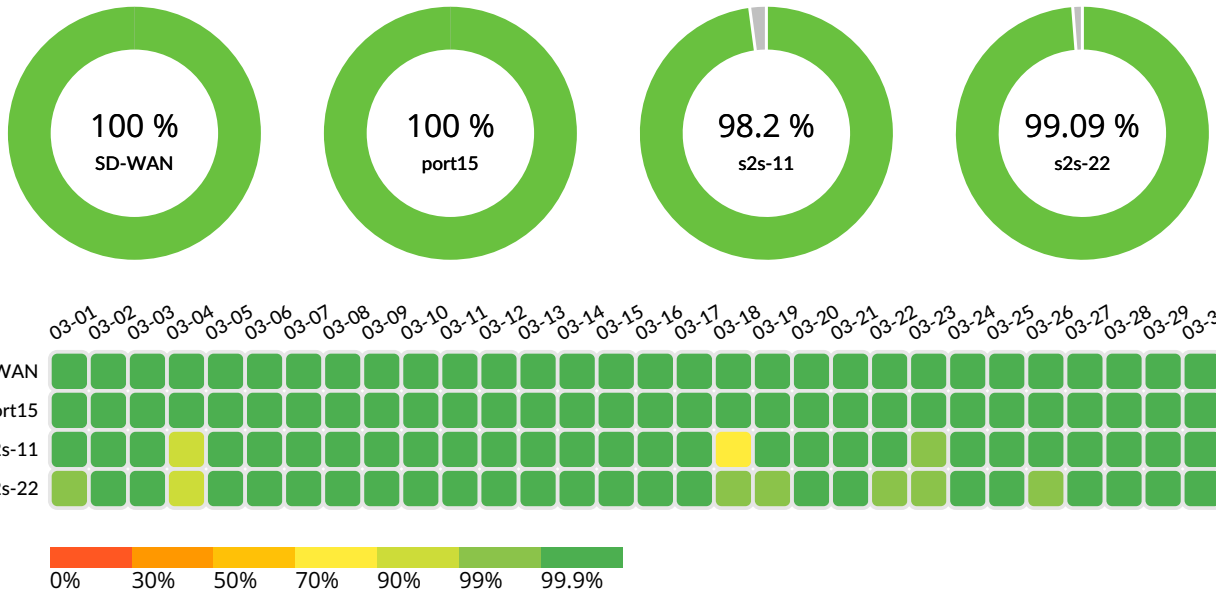


Packet Loss After SD-WAN Implementation

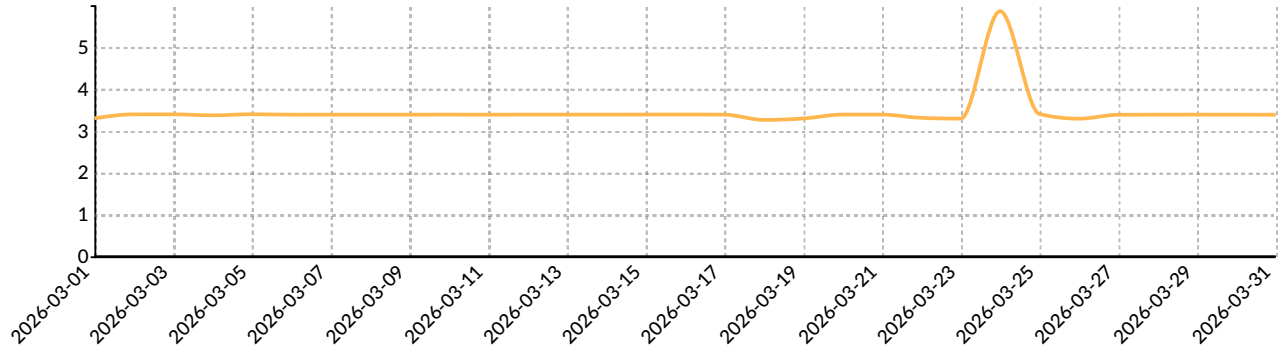


Overview of Device - H1-SERPRO47324-MDE-Centro

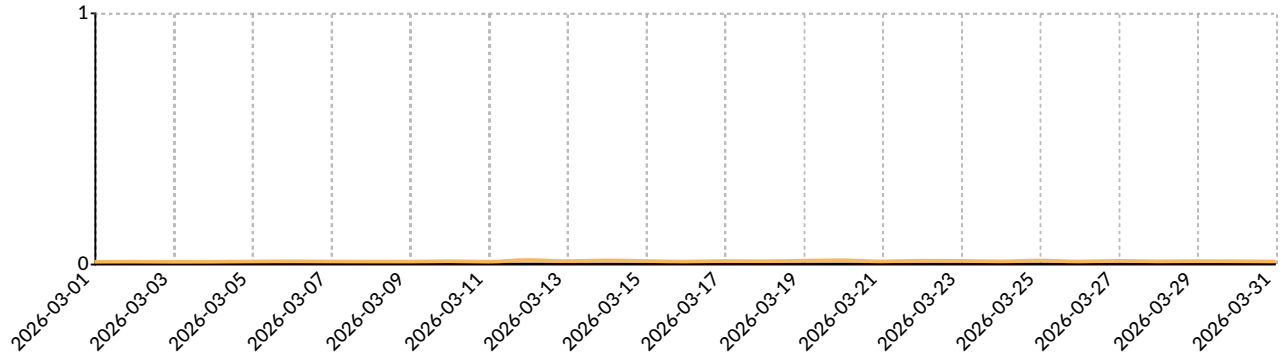
SD-WAN Availability



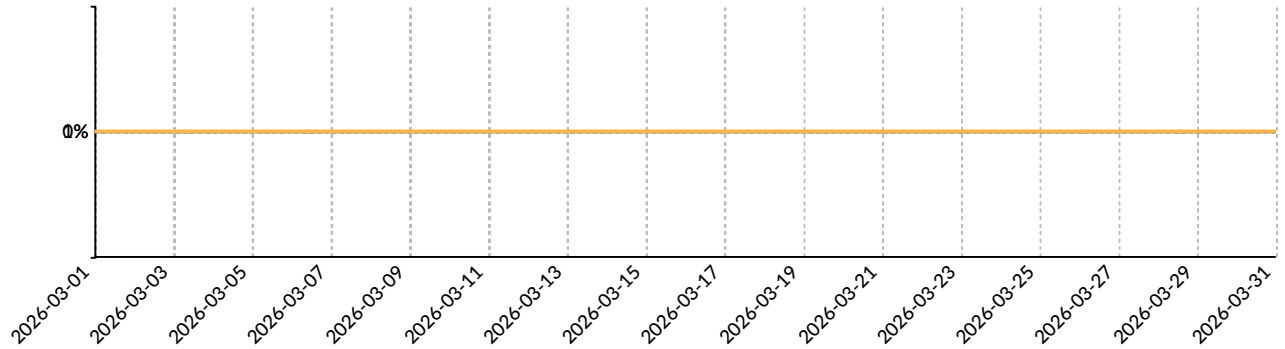
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

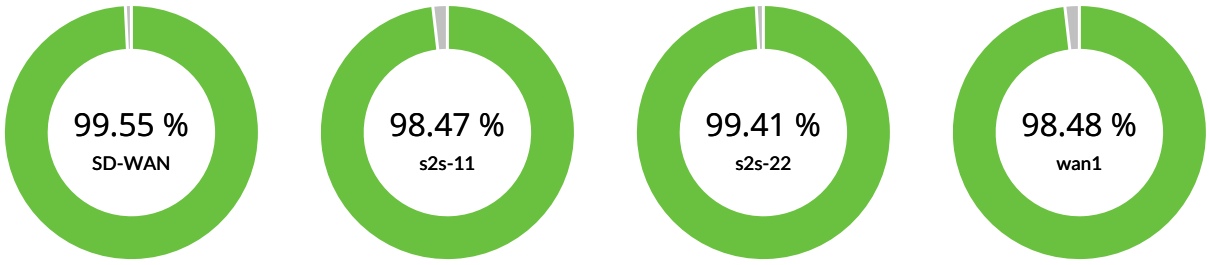


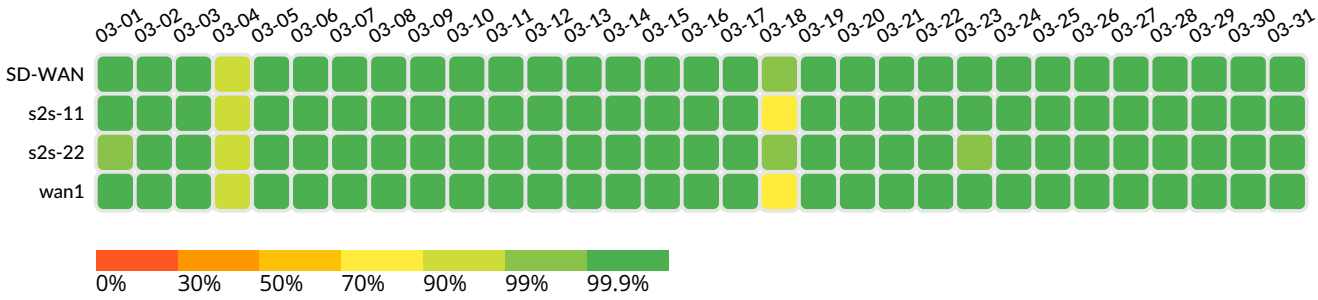
Packet Loss After SD-WAN Implementation



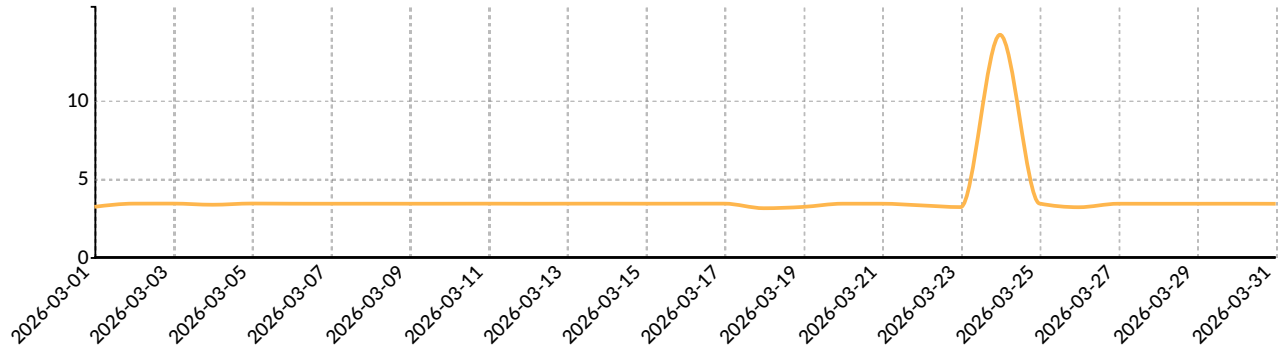
Overview of Device - H2-SERPRO11031-CAQ-Caucasia

SD-WAN Availability

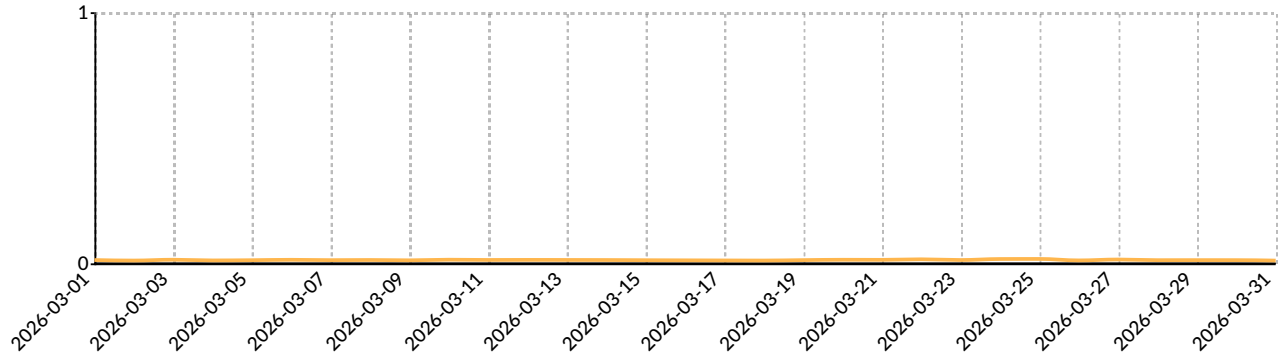




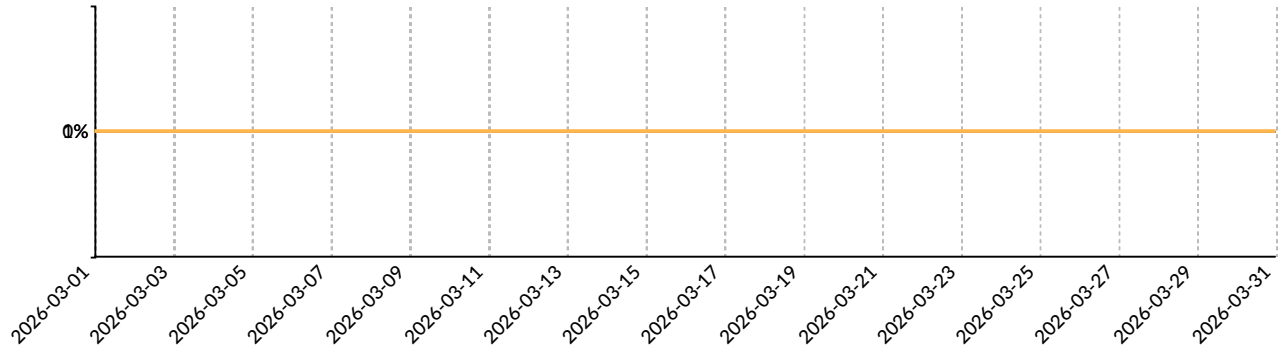
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

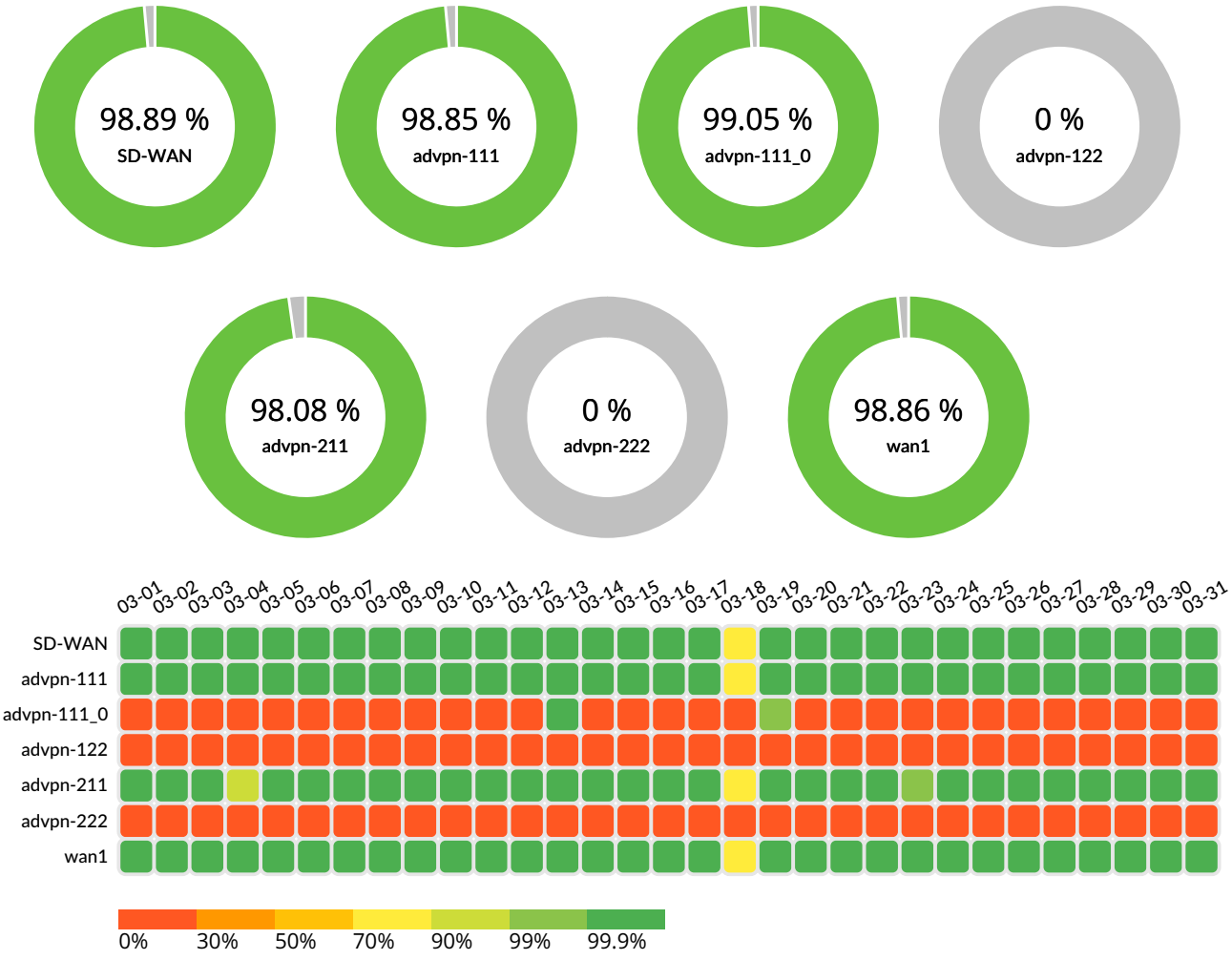


Packet Loss After SD-WAN Implementation

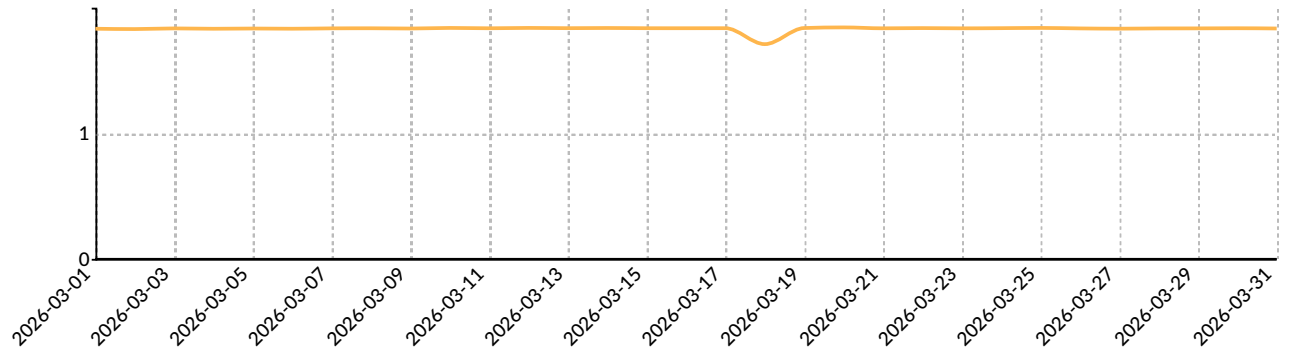


Overview of Device - BR-SERPRO11136-STF-SantaFe_Ant

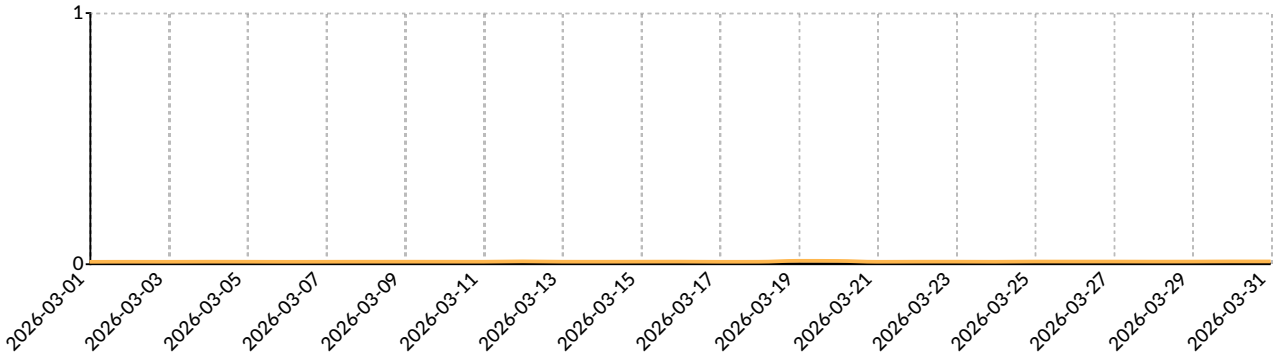
SD-WAN Availability



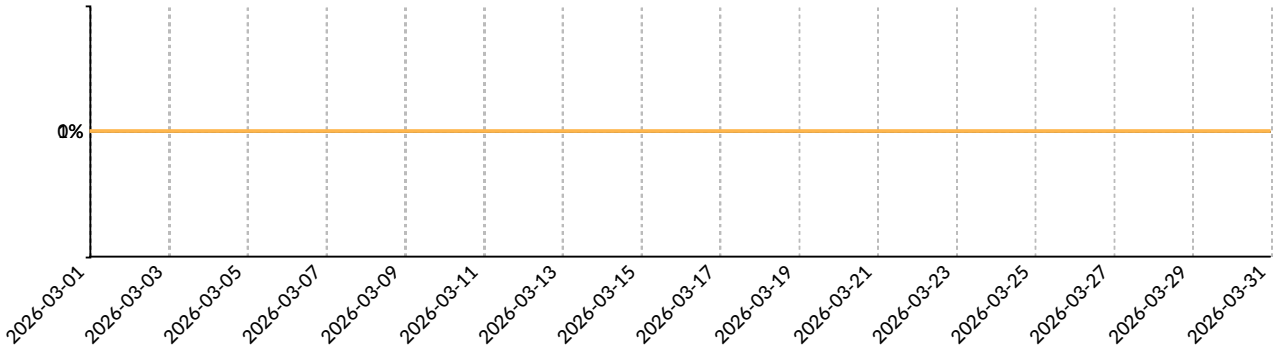
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

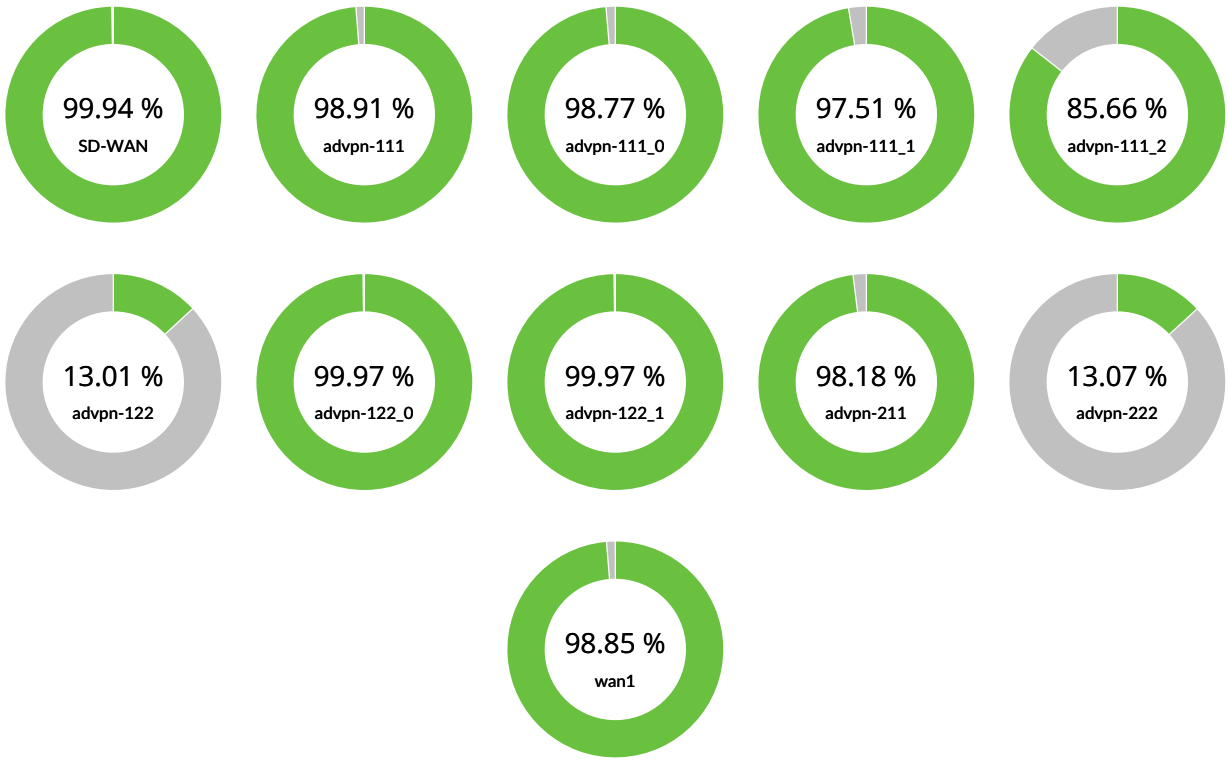


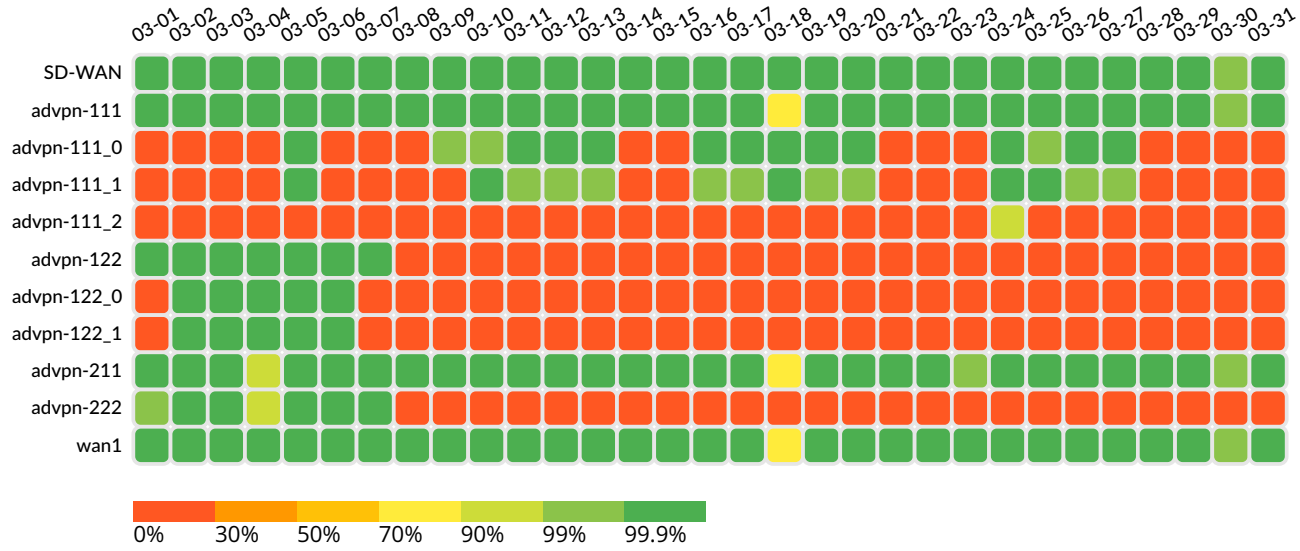
Packet Loss After SD-WAN Implementation



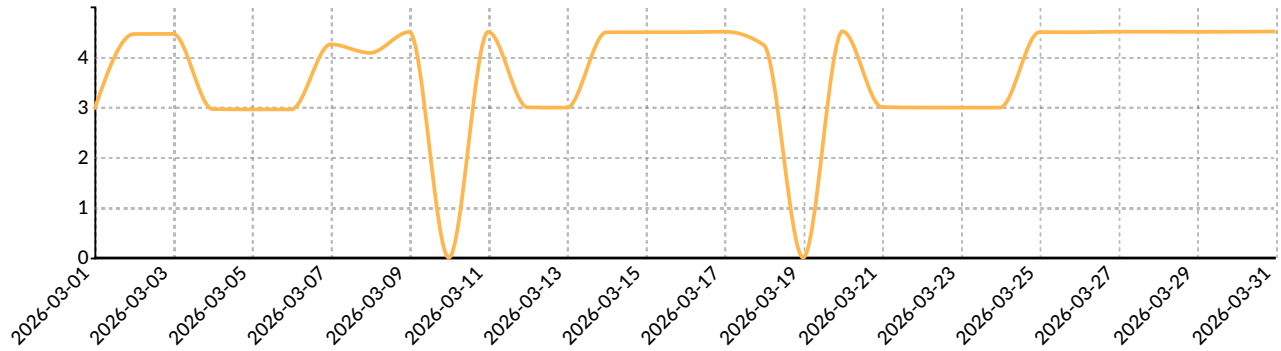
Overview of Device - BR-SERPRO11032-ADN-Andes

SD-WAN Availability

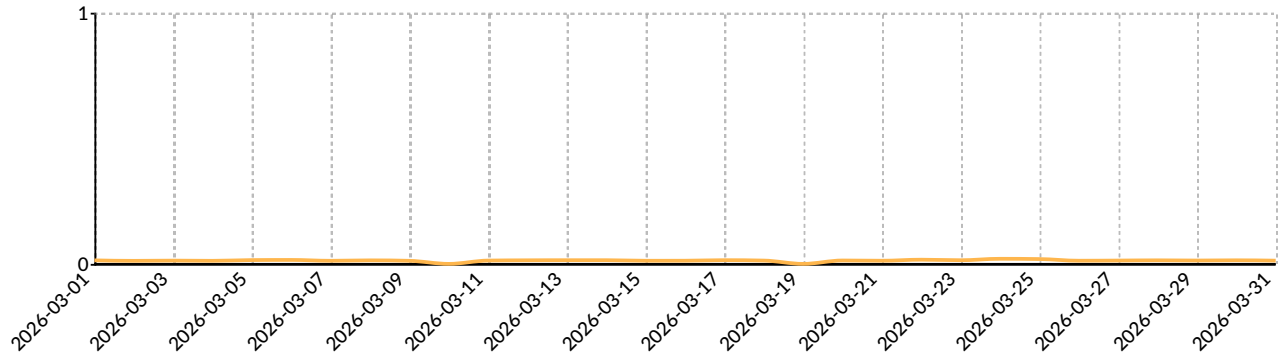




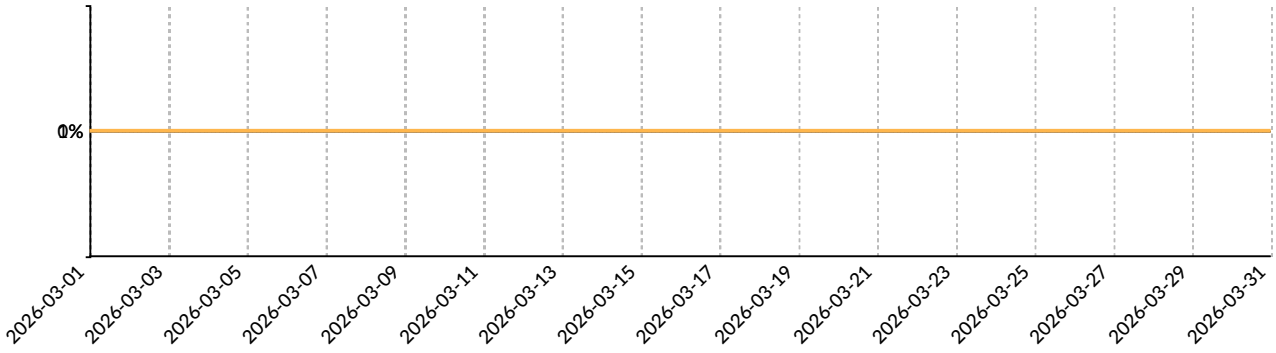
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

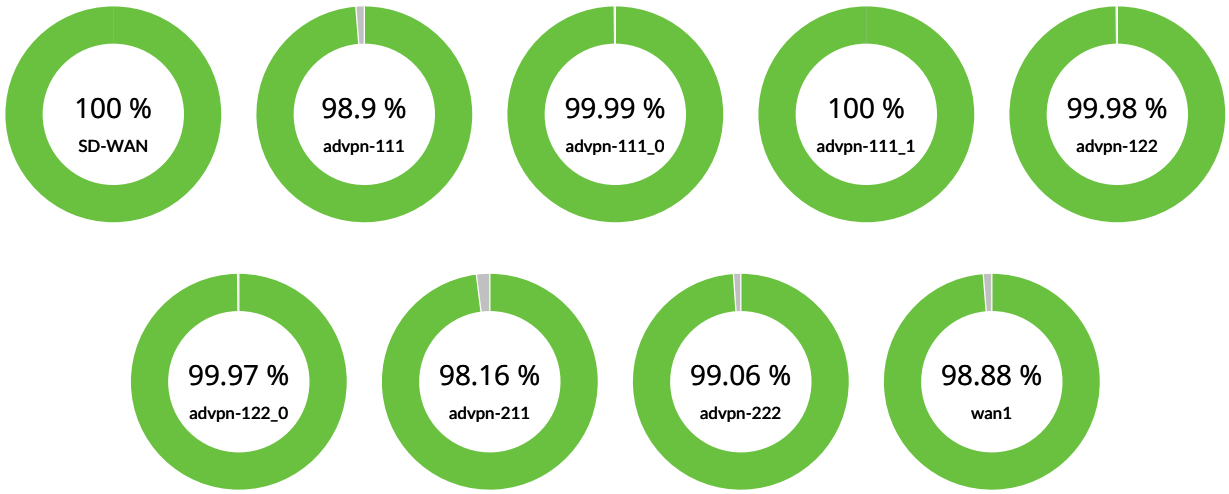


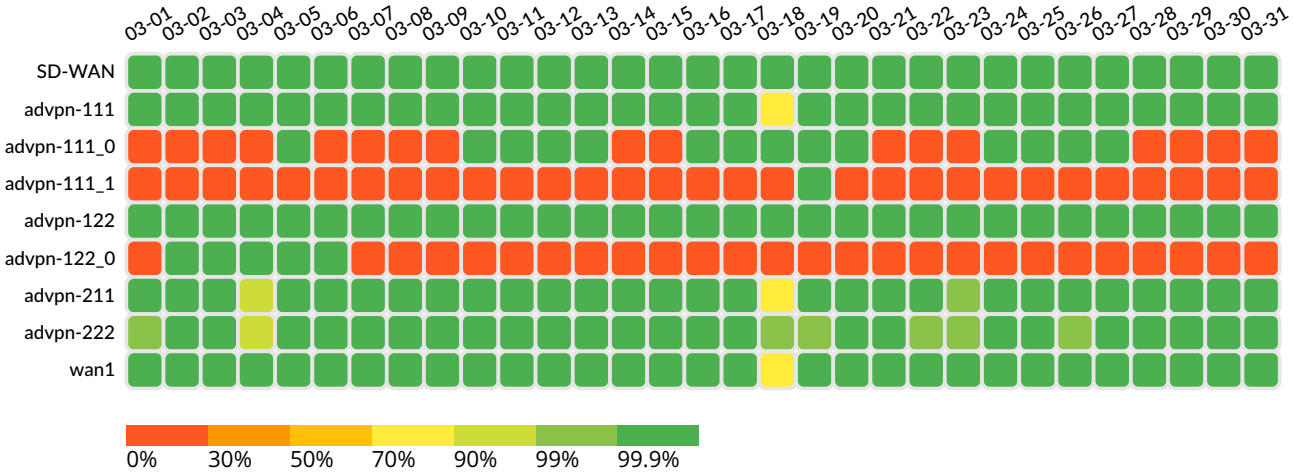
Packet Loss After SD-WAN Implementation



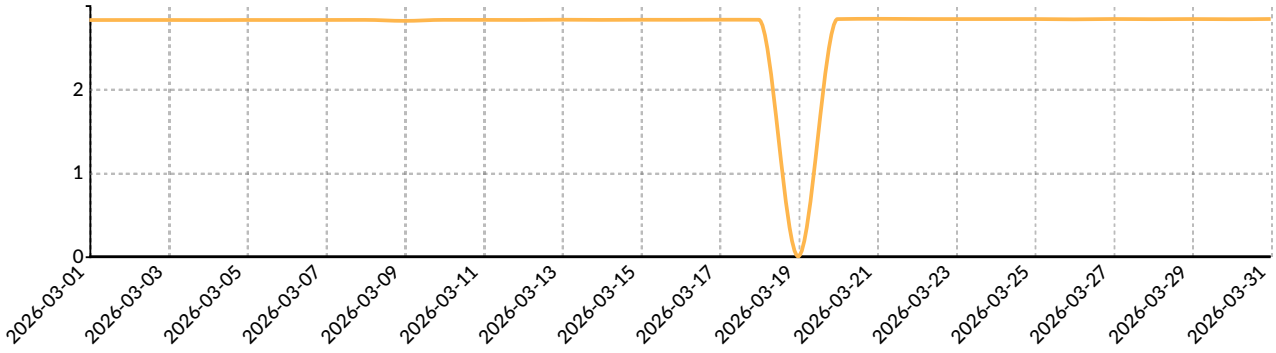
Overview of Device - BR-SERPRO11098-SAR-SantaRosa

SD-WAN Availability

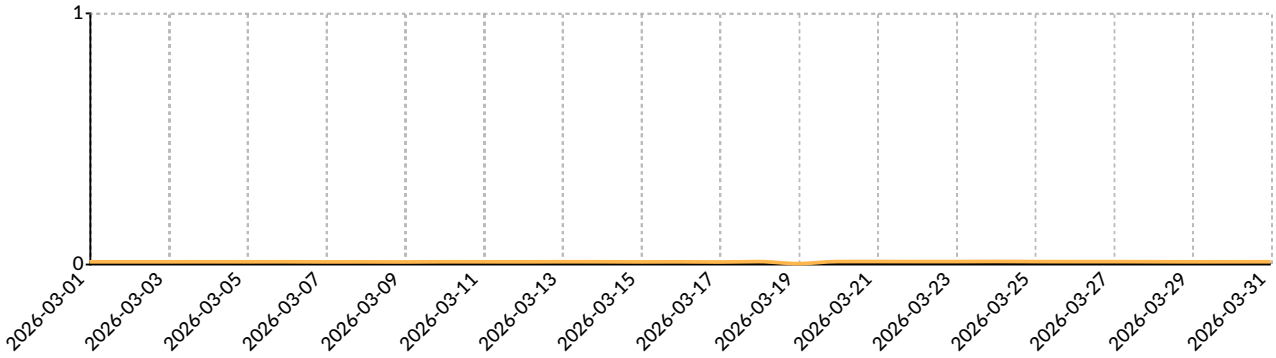




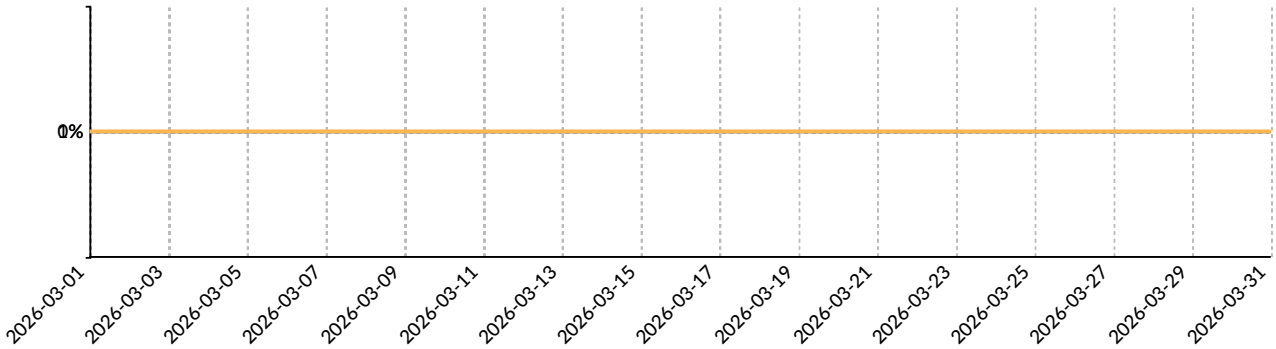
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

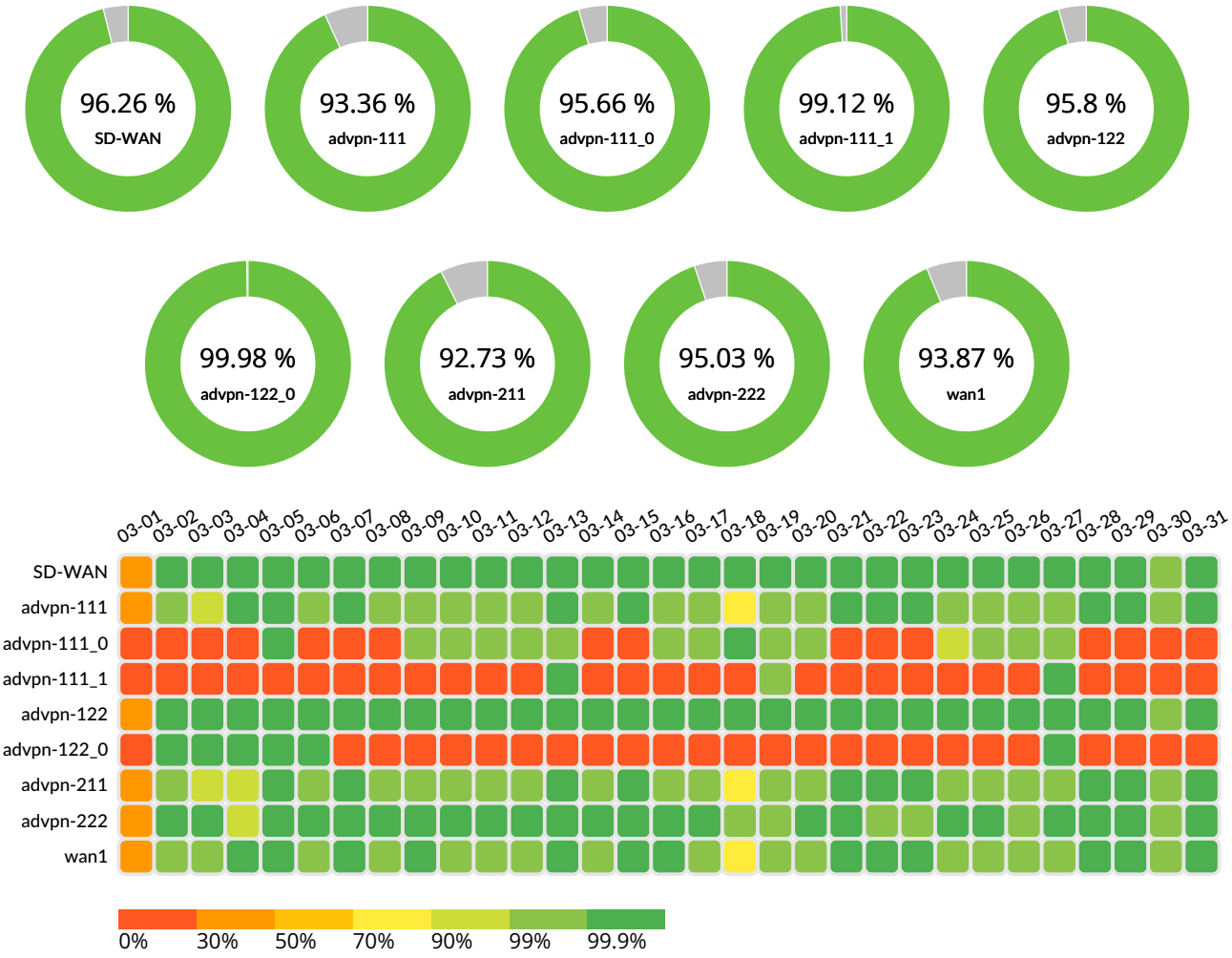


Packet Loss After SD-WAN Implementation

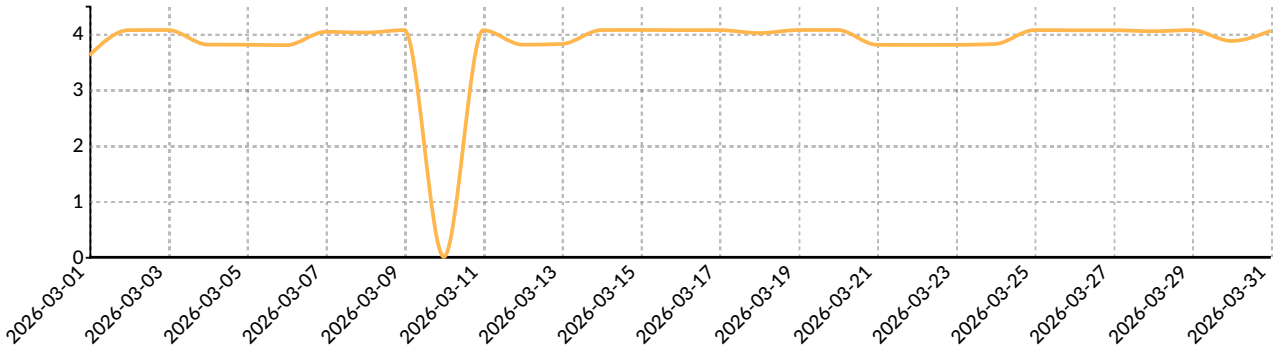


Overview of Device - BR-SERPRO10941-JER-Jerico

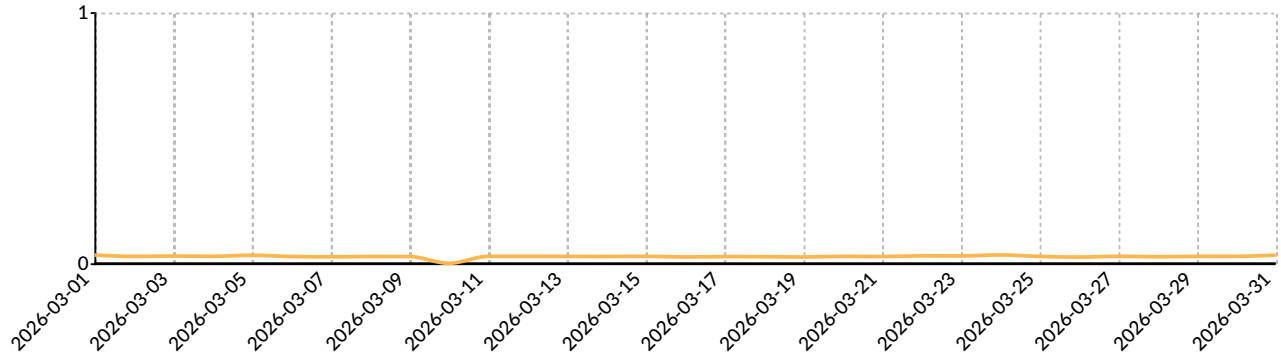
SD-WAN Availability



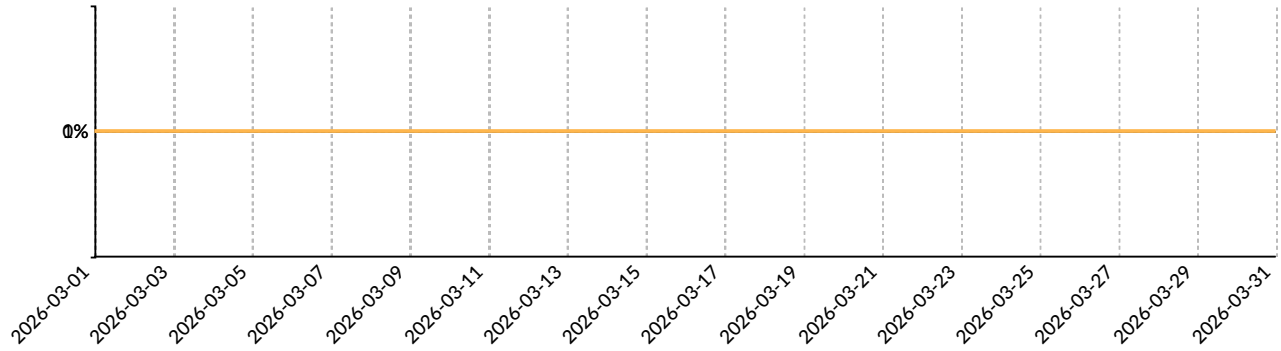
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

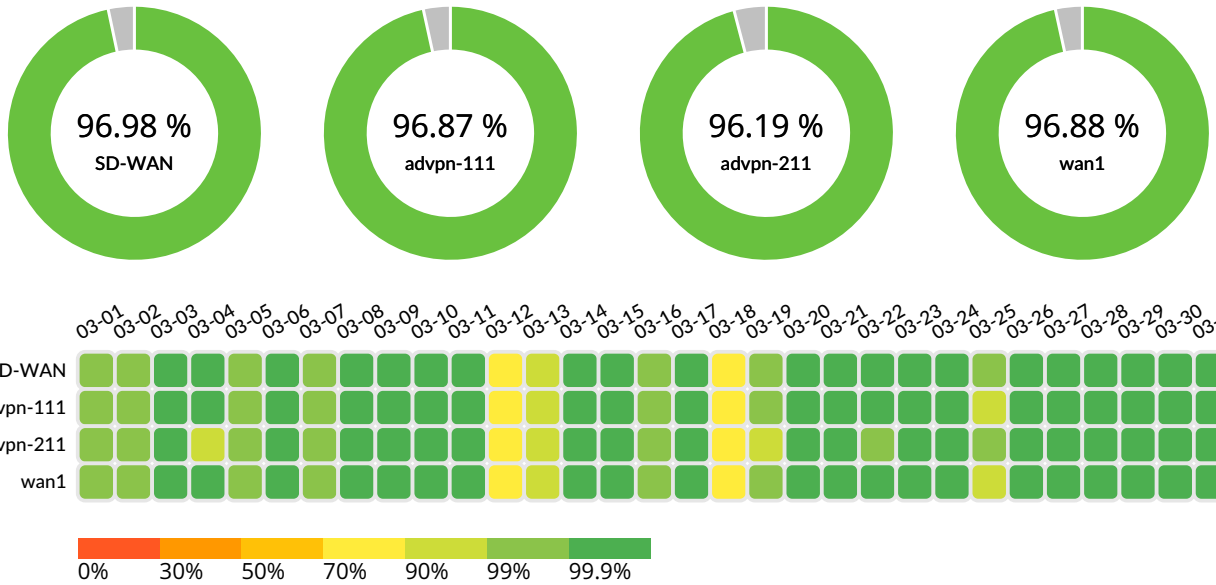


Packet Loss After SD-WAN Implementation

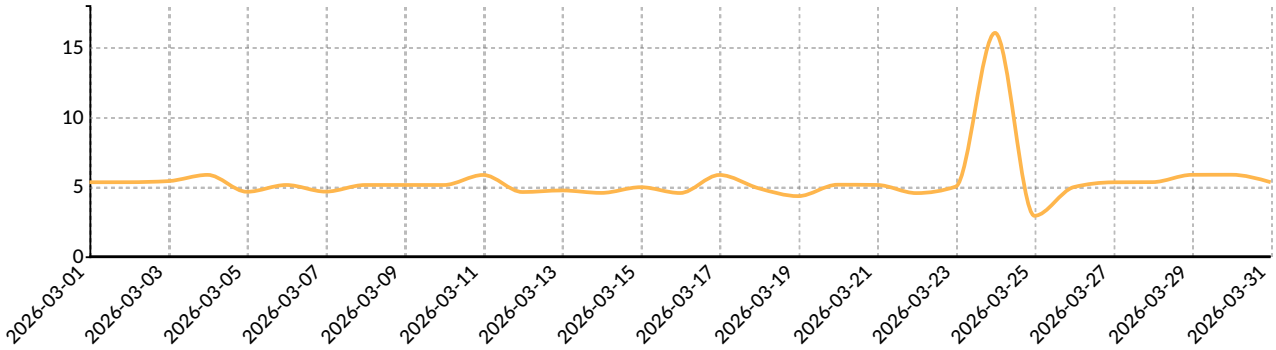


Overview of Device - BR-SERPRO11135-EBG-El_Bagre

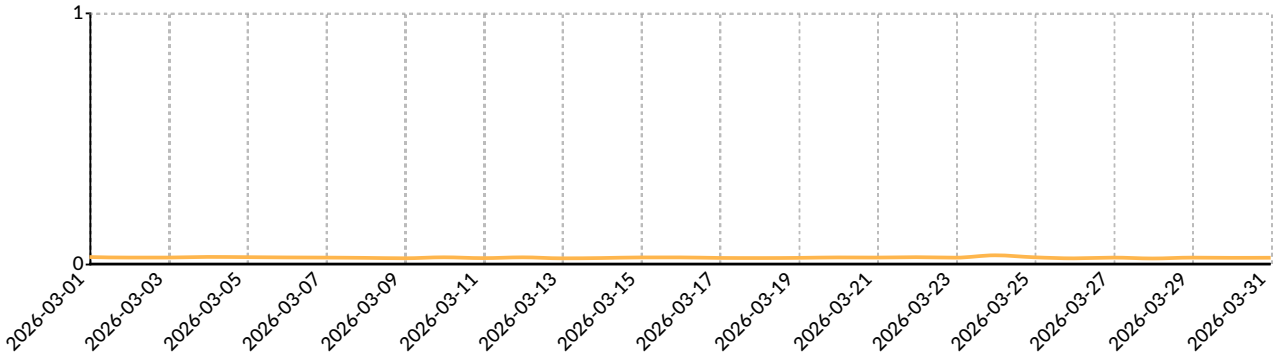
SD-WAN Availability



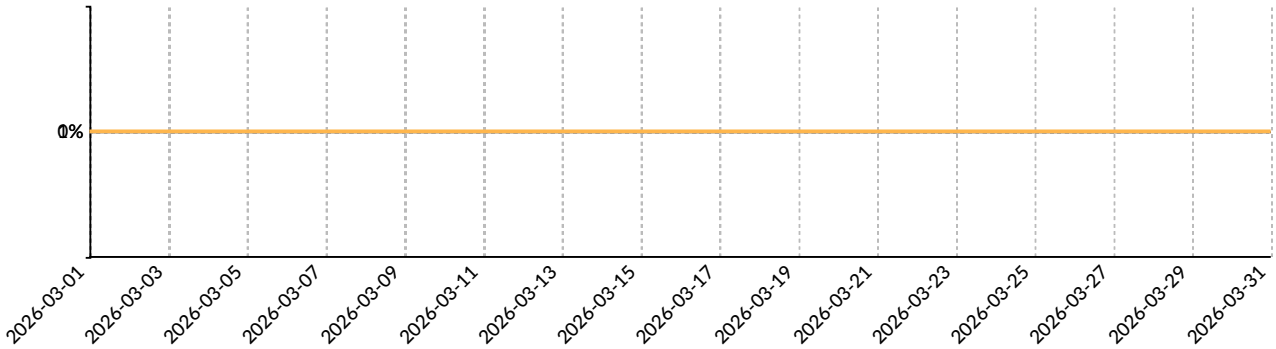
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

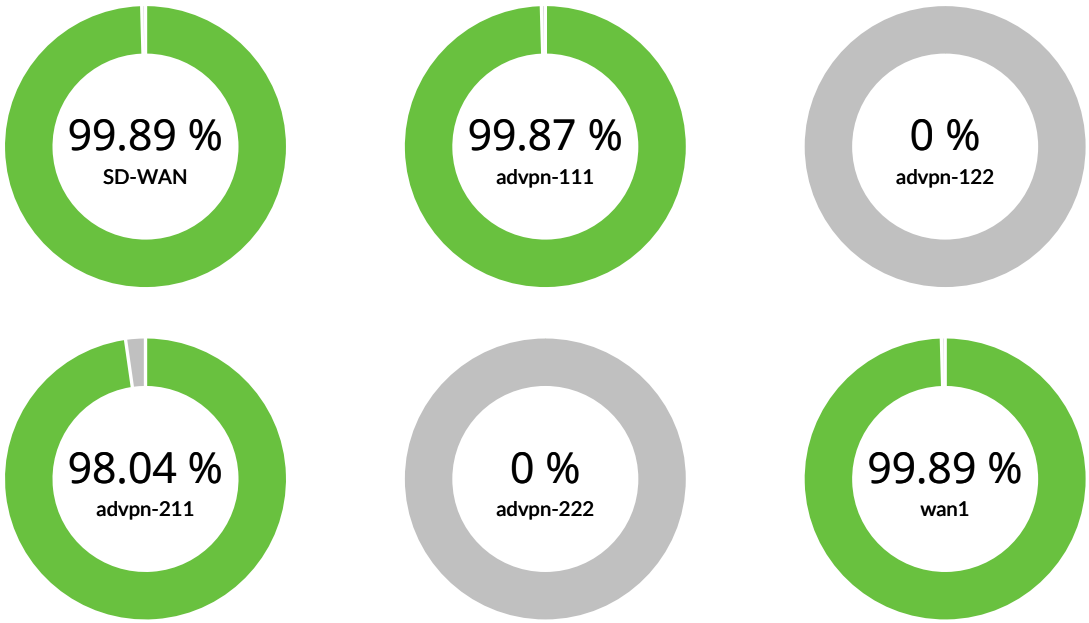


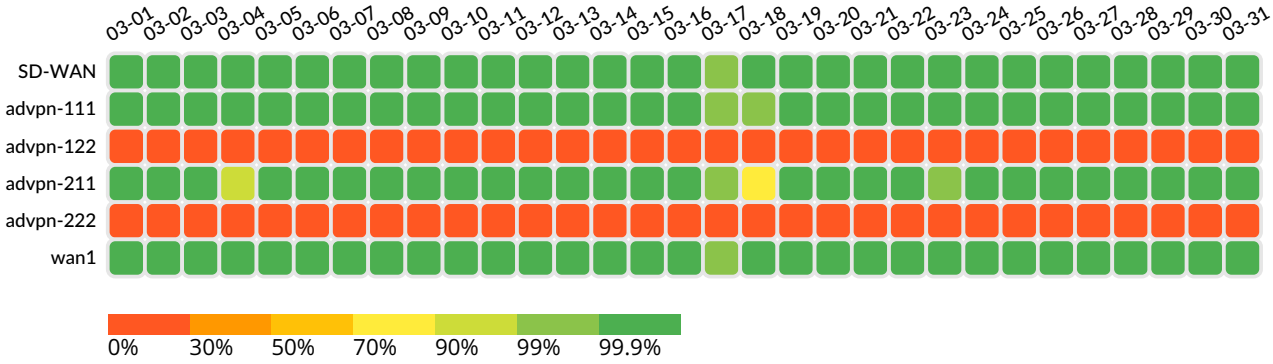
Packet Loss After SD-WAN Implementation



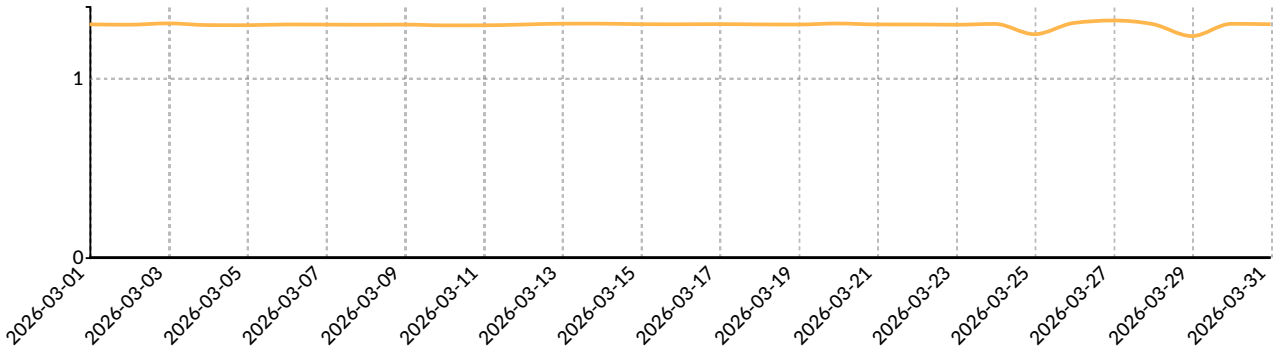
Overview of Device - BR-SERPRO47325-MDE-SantaElena

SD-WAN Availability

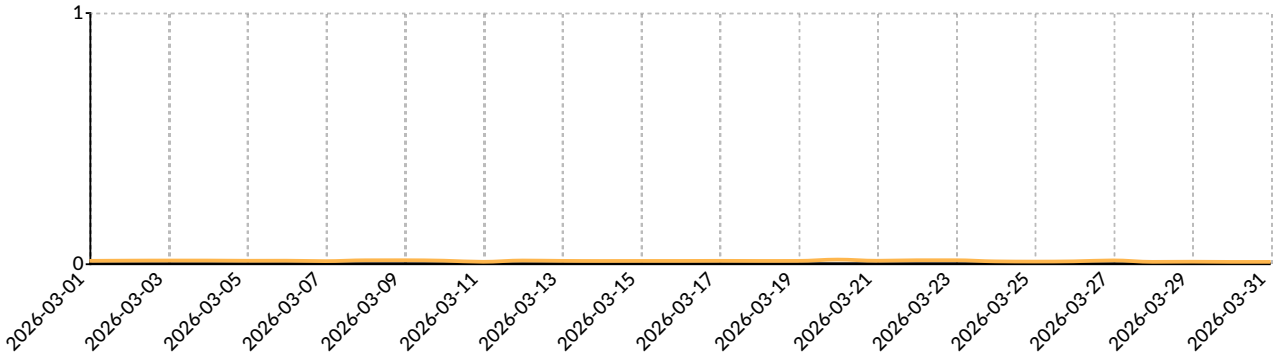




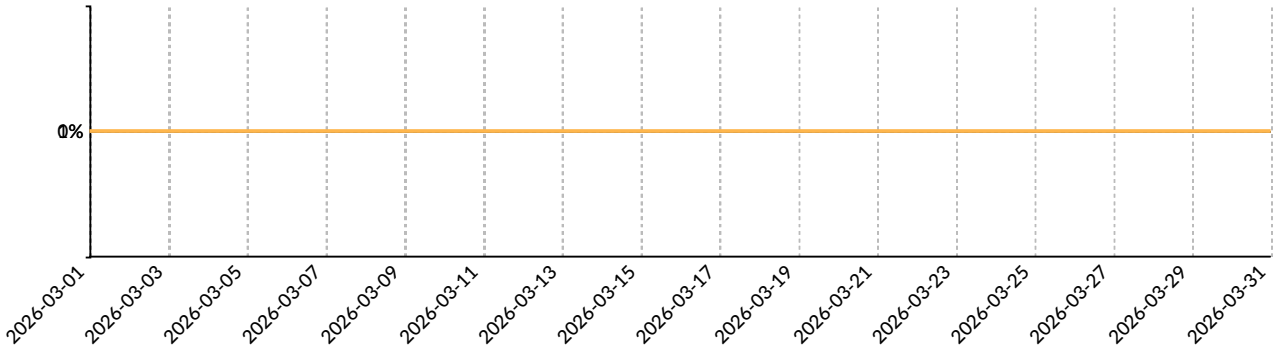
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)

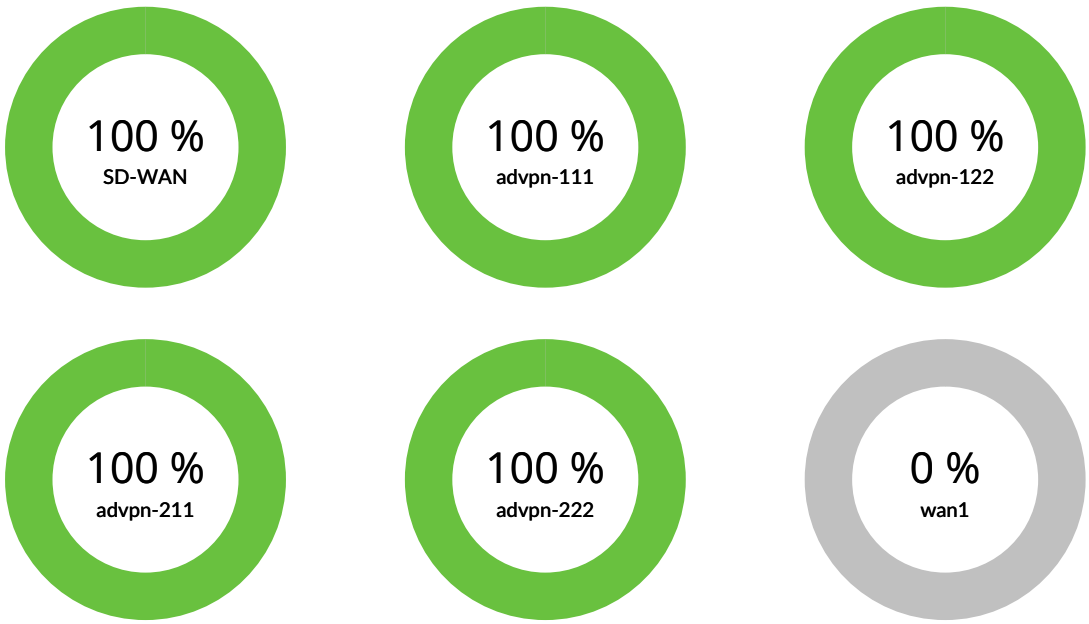


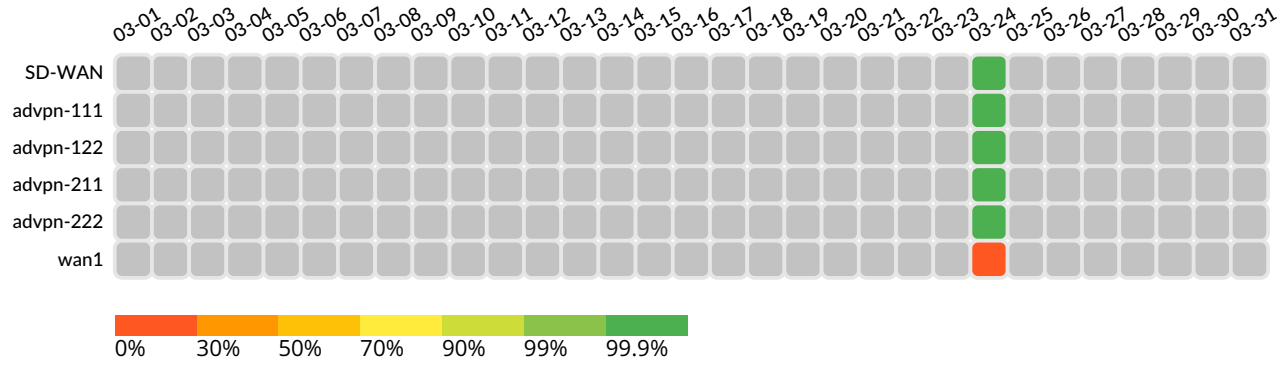
Packet Loss After SD-WAN Implementation



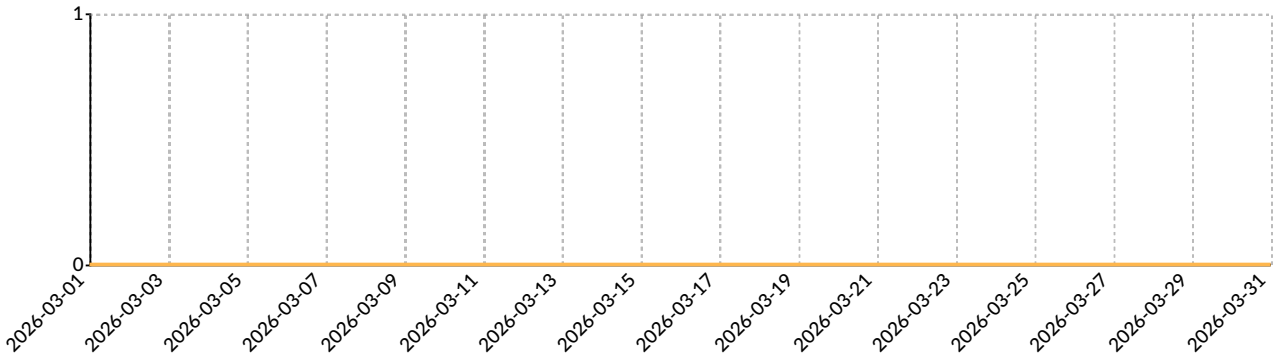
Overview of Device - BR-SERPRO47319-VEG-Vegachi

SD-WAN Availability

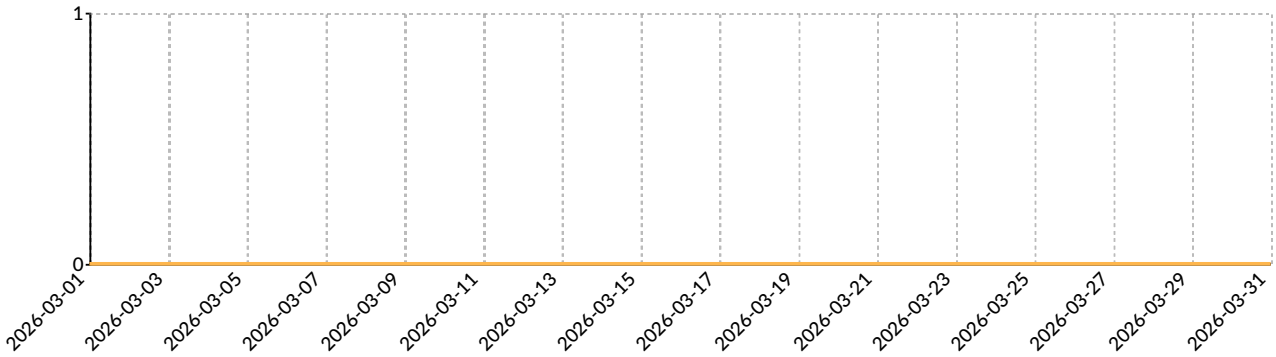




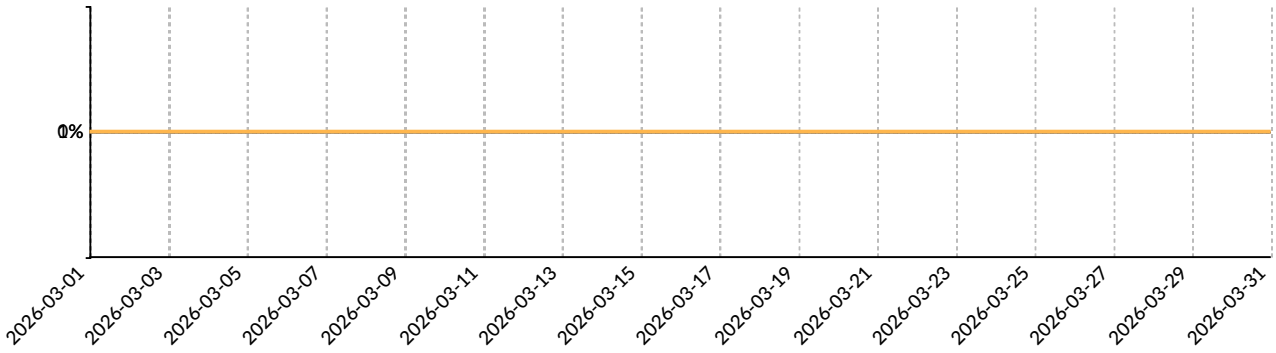
Latency After SD-WAN Implementation (ms)



Jitter After SD-WAN Implementation (ms)



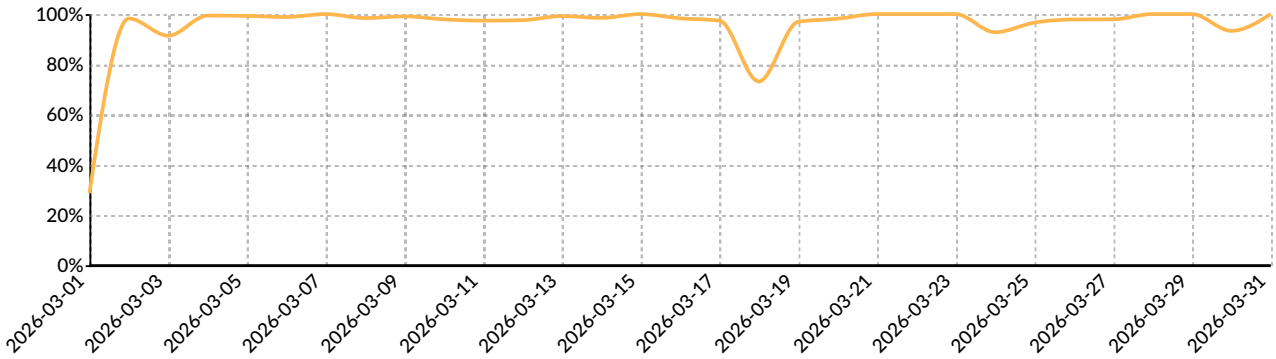
Packet Loss After SD-WAN Implementation



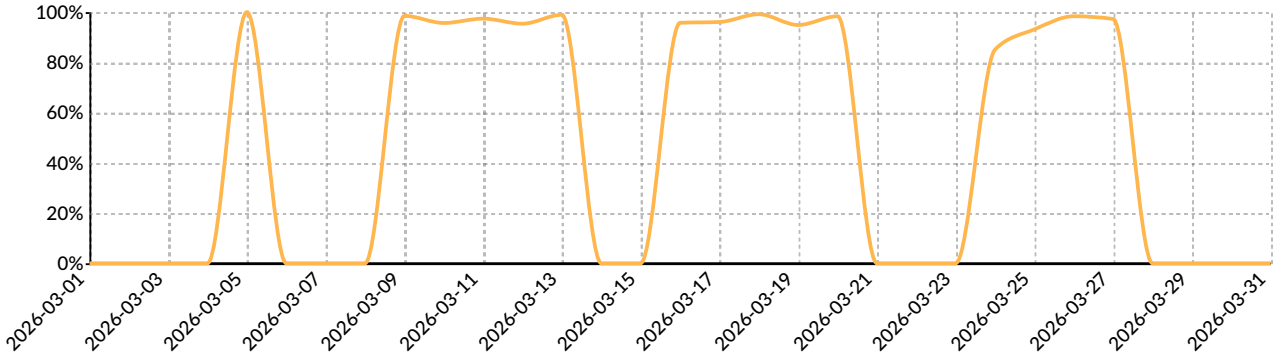
SD-WAN Link Health Status

Link Uptime

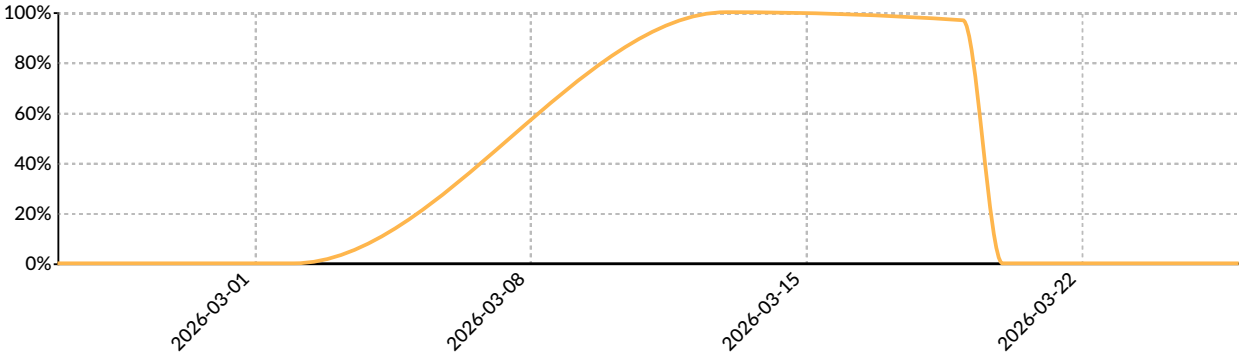
BR-SERPRO10941-JER-Jerico:advpn-111



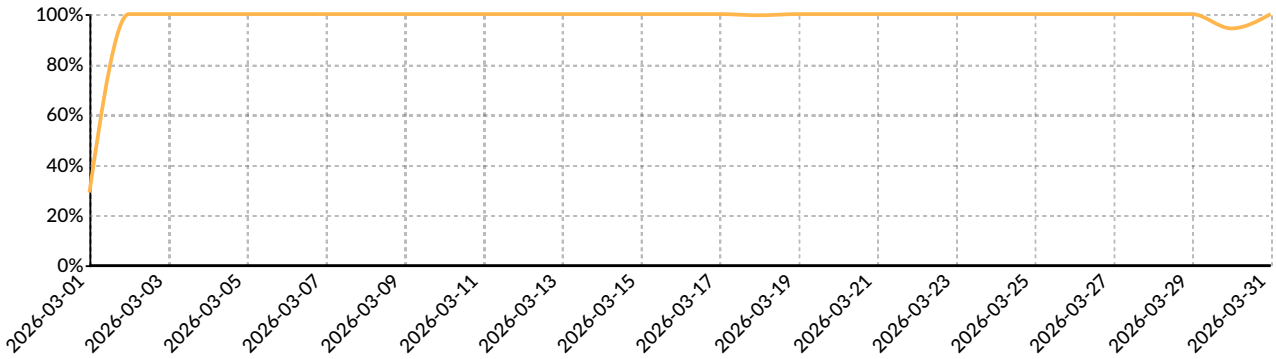
BR-SERPRO10941-JER-Jerico:advpn-111_0



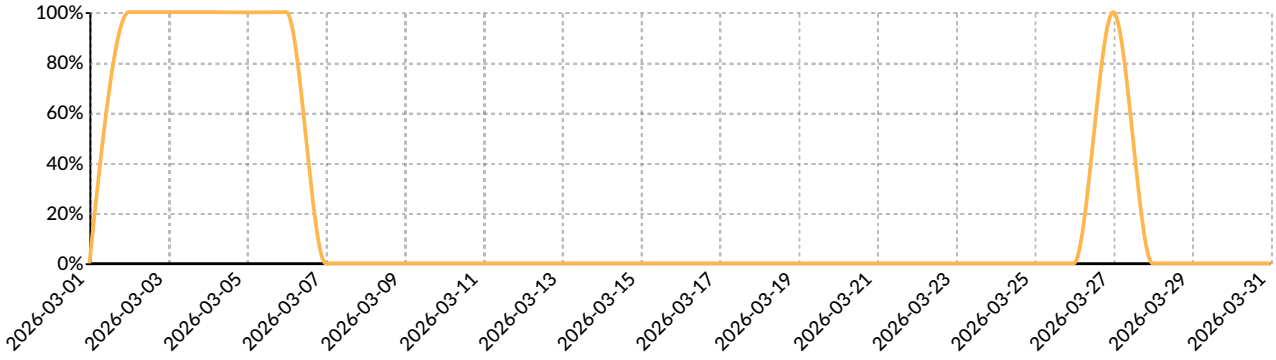
BR-SERPRO10941-JER-Jerico:advpn-111_1



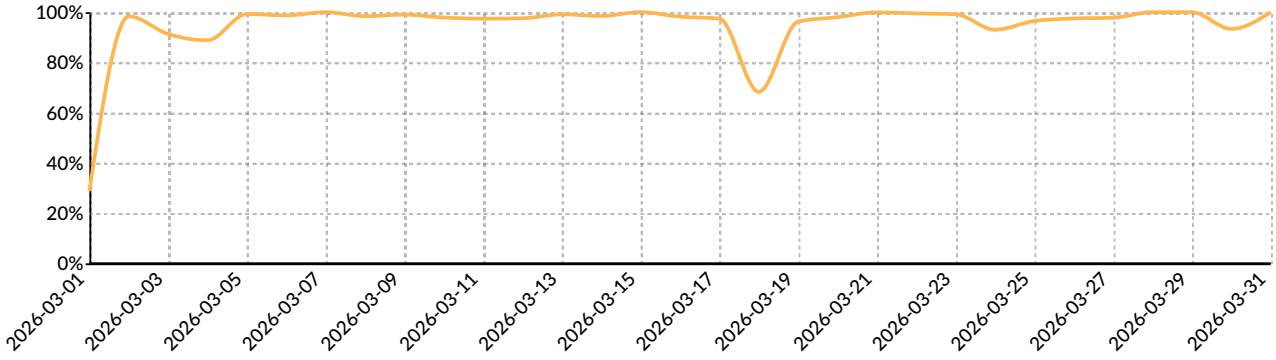
BR-SERPRO10941-JER-Jerico:advpn-122



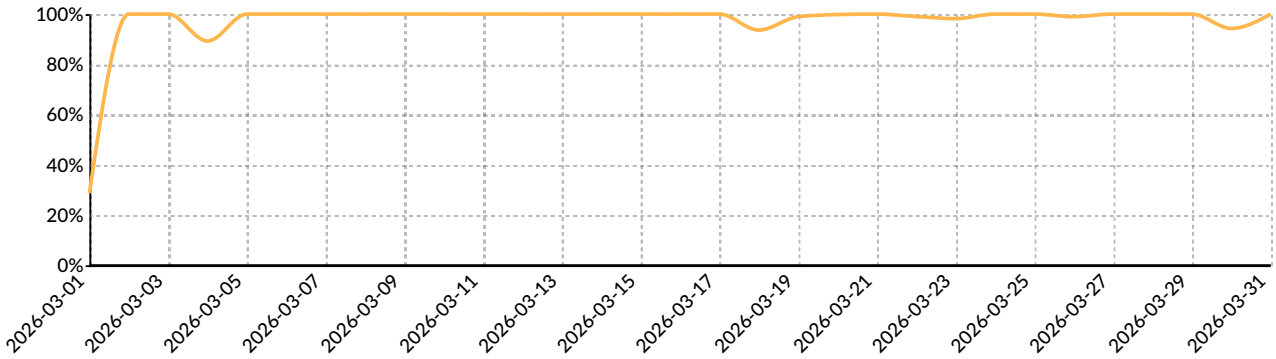
BR-SERPRO10941-JER-Jerico:advpn-122_0



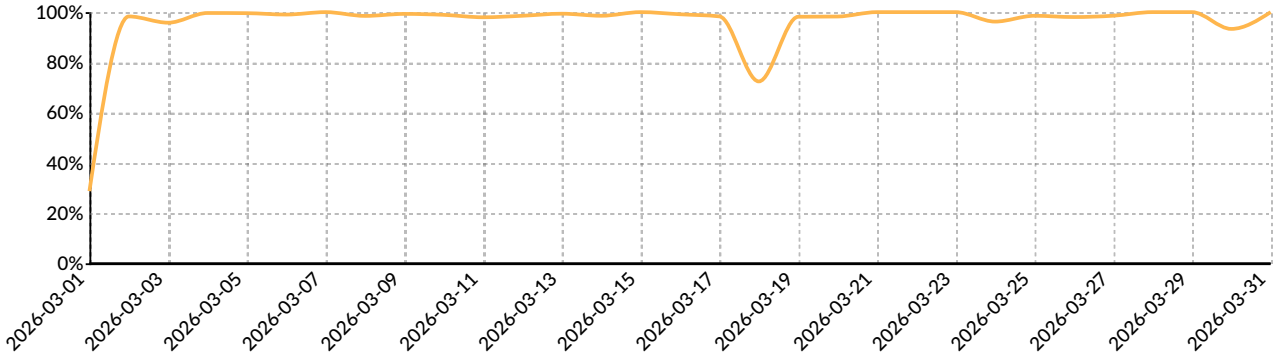
BR-SERPRO10941-JER-Jerico:advpn-211



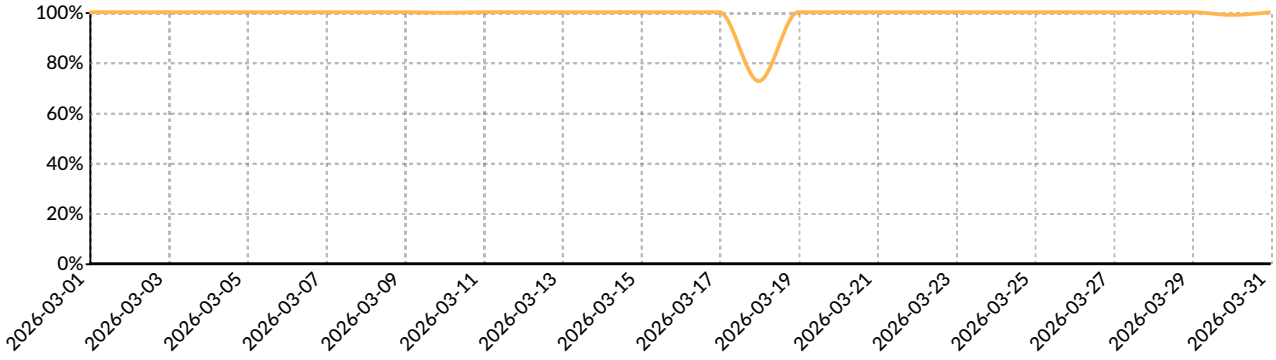
BR-SERPRO10941-JER-Jerico:advpn-222



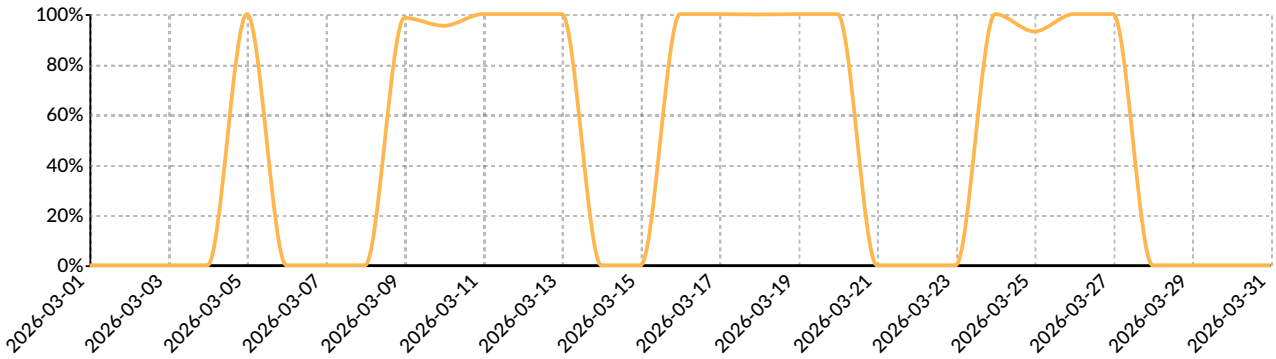
BR-SERPRO10941-JER-Jerico:wan1



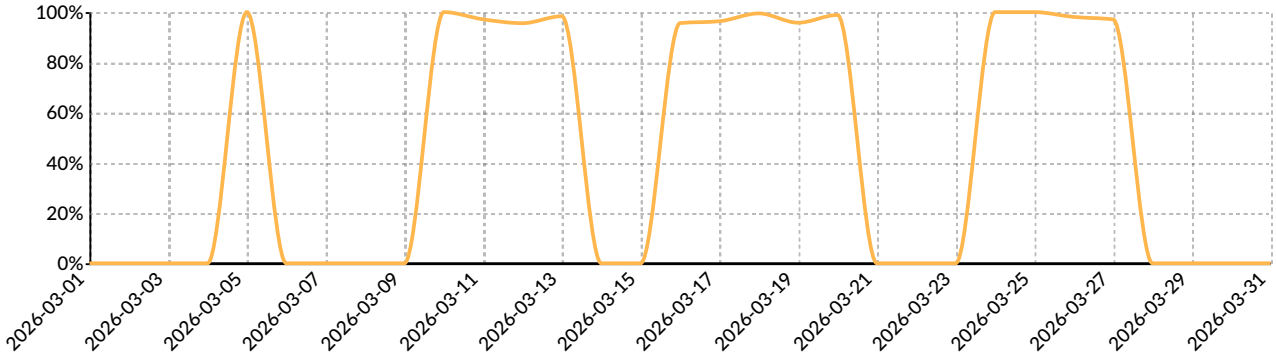
BR-SERPRO11032-ADN-Andes:advpn-111



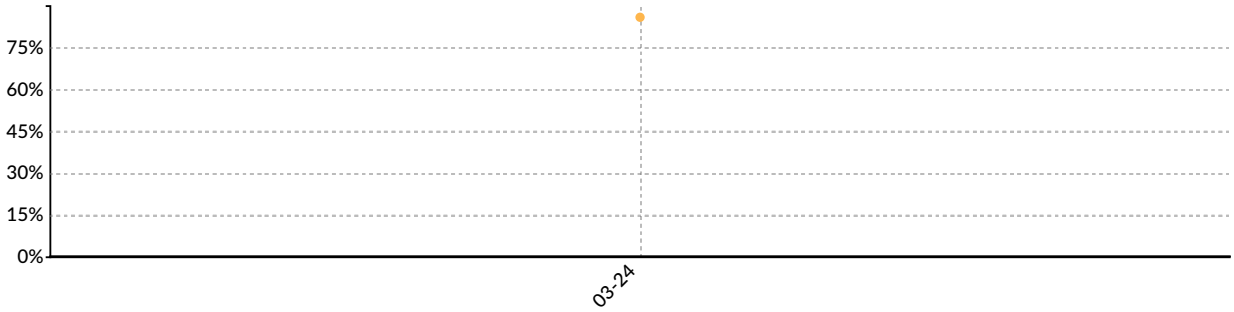
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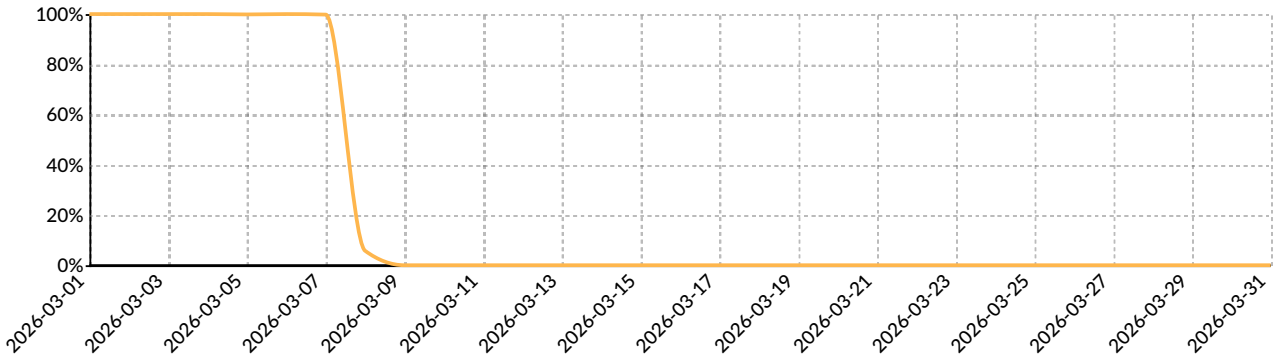
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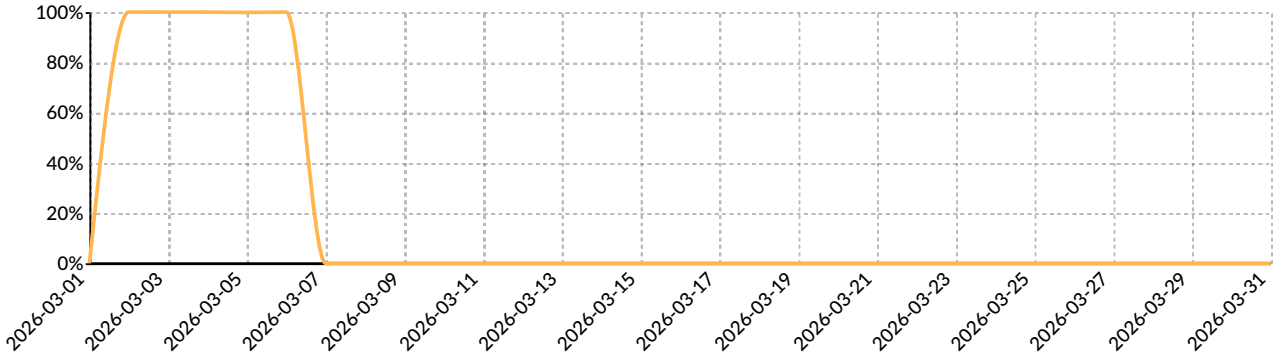
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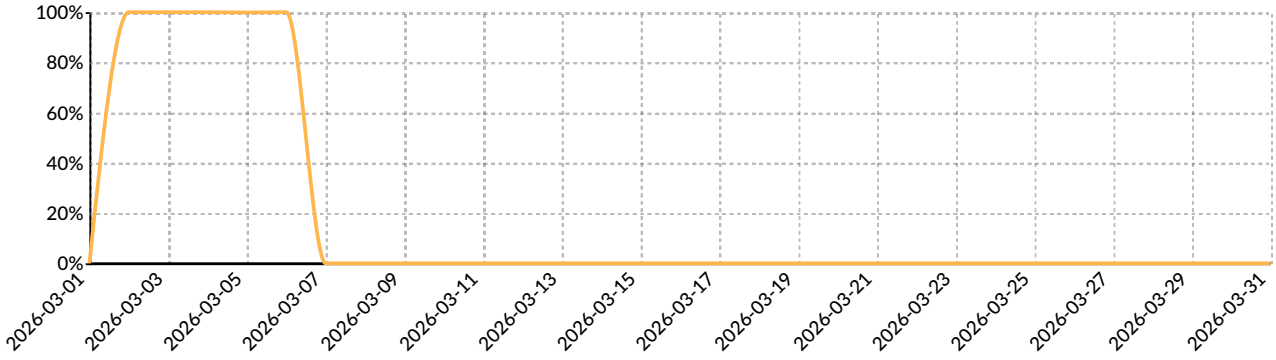
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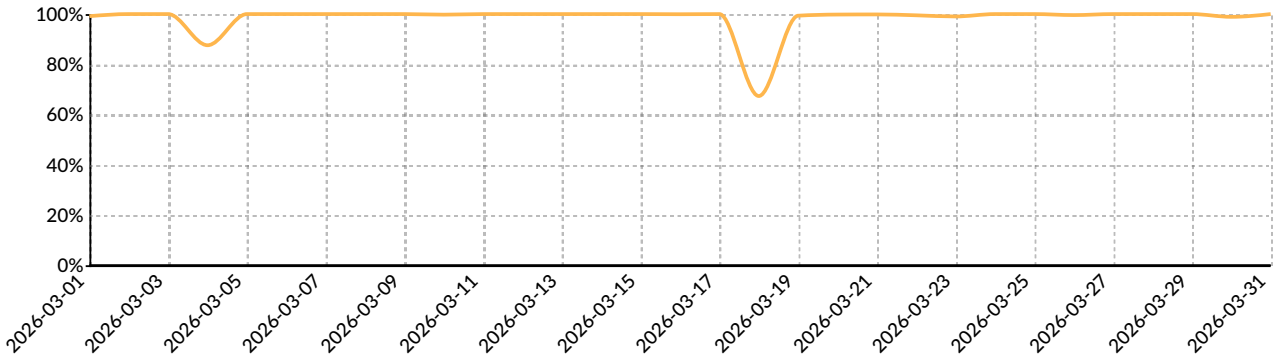
BR-SERPRO11032-ADN-Andes:advpn-122_0



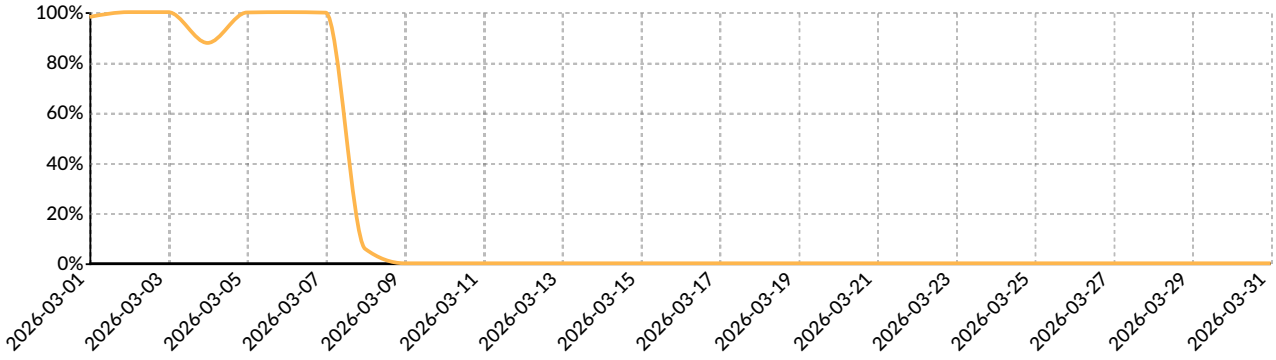
BR-SERPRO11032-ADN-Andes:advpn-122_1



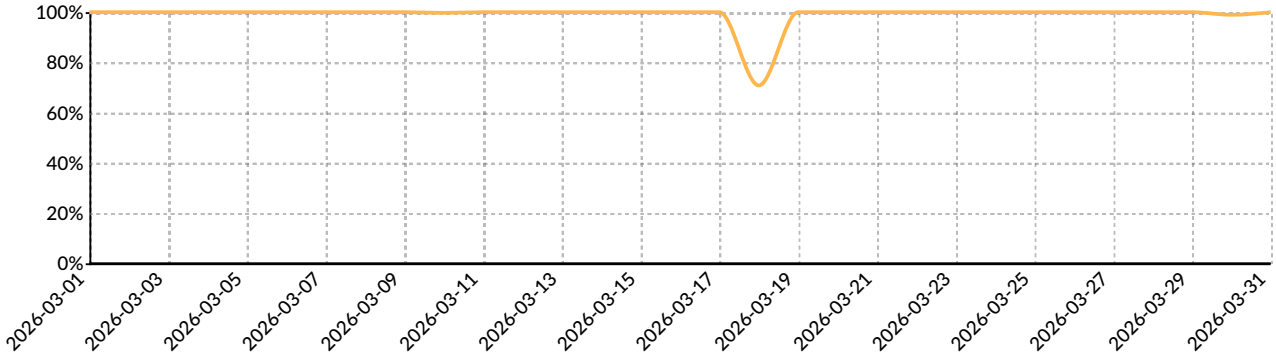
BR-SERPRO11032-ADN-Andes:advpn-211



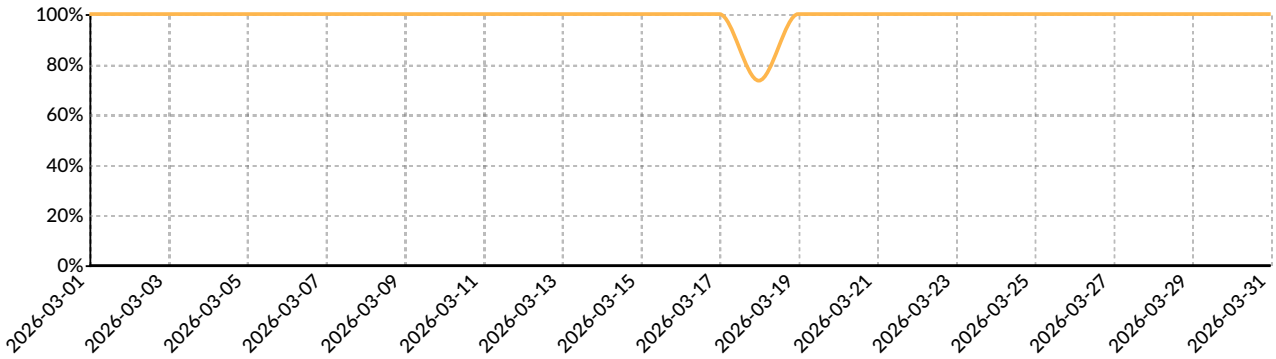
BR-SERPRO11032-ADN-Andes:advpn-222



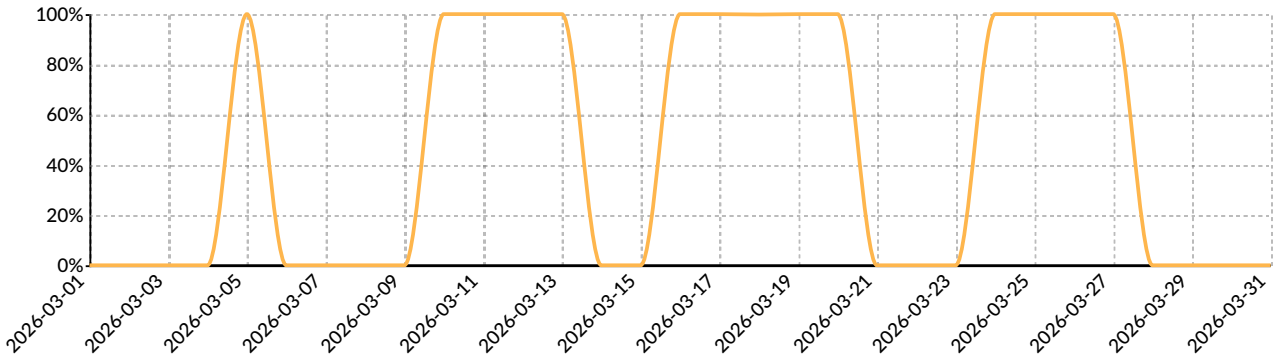
BR-SERPRO11032-ADN-Andes:wan1



BR-SERPRO11098-SAR-SantaRosa:advpn-111



BR-SERPRO11098-SAR-SantaRosa:advpn-111_0



SD-WAN Link Quality

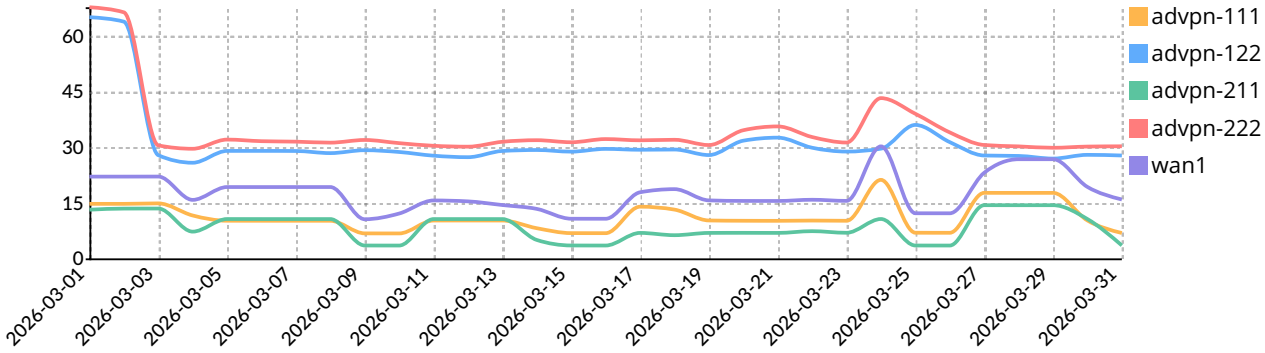
Link Quality Status Summary

Link quality plays an important role in link selection for SD-WAN, the link quality status of SD-WAN members should be monitored and any prolonged issues with packet loss, latency, and jitter have to be investigated to ensure that your network doesn't experience degraded performance or an outage. SD WAN uses pre-defined SLA strategies to route traffic through the SD-WAN interfaces that meet the latency, jitter, and packet loss criteria configured in the SLA targets associated with the SD-WAN rules. SD-WAN constantly monitors network traffic metrics, such as latency, packet loss and jitter. Based on the measured data, the SD-WAN is able to respond proactively to real-time network conditions, selecting the optimal path for traffic.

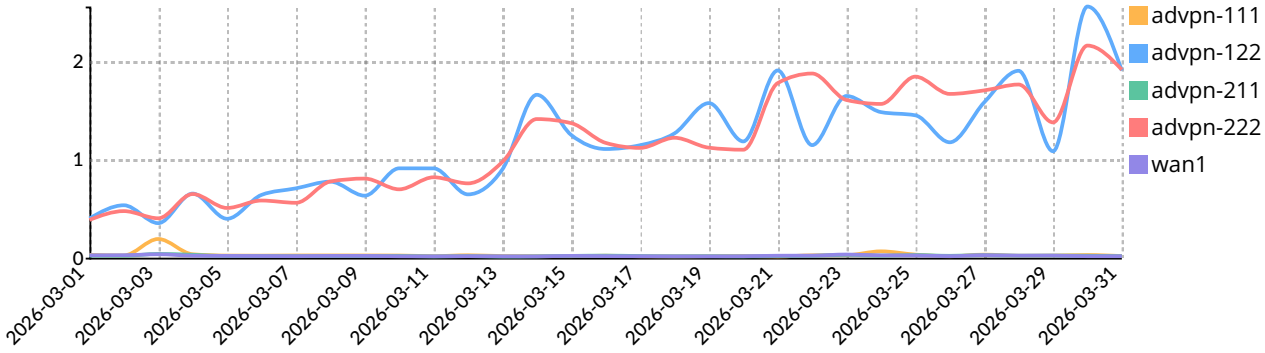
No matching log data for this report

Device - BR-SERPRO47319-VEG-Vegachi

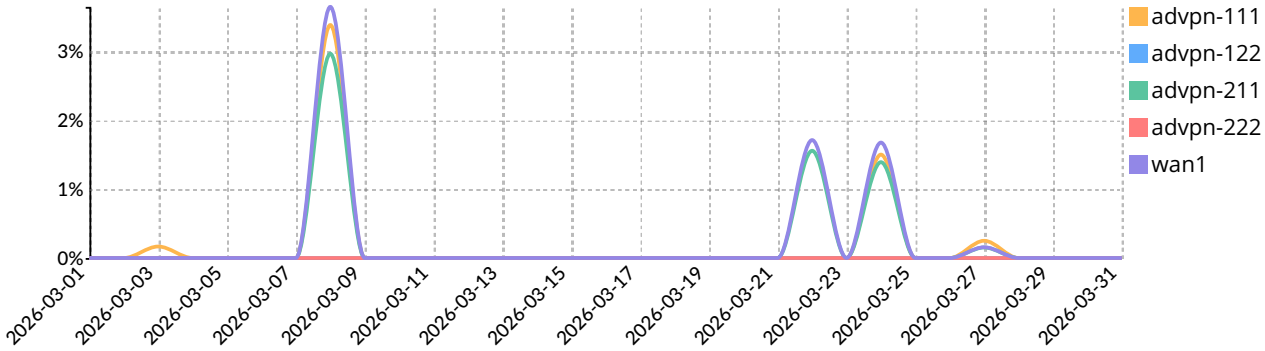
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

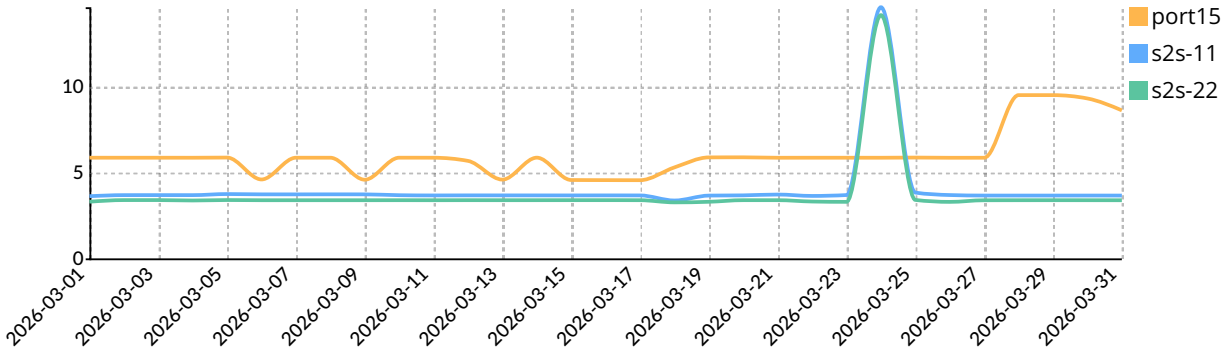


Packet Loss by WAN Link Over Time

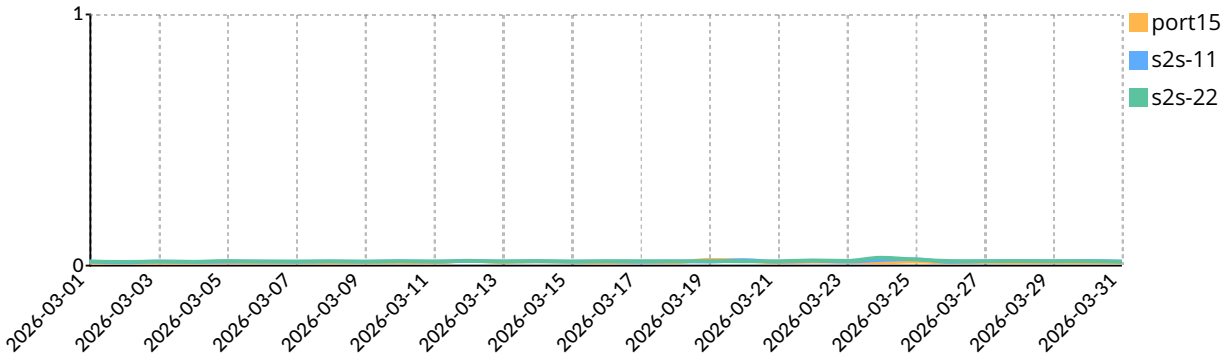


Device - H1-SERPRO47324-MDE-Centro

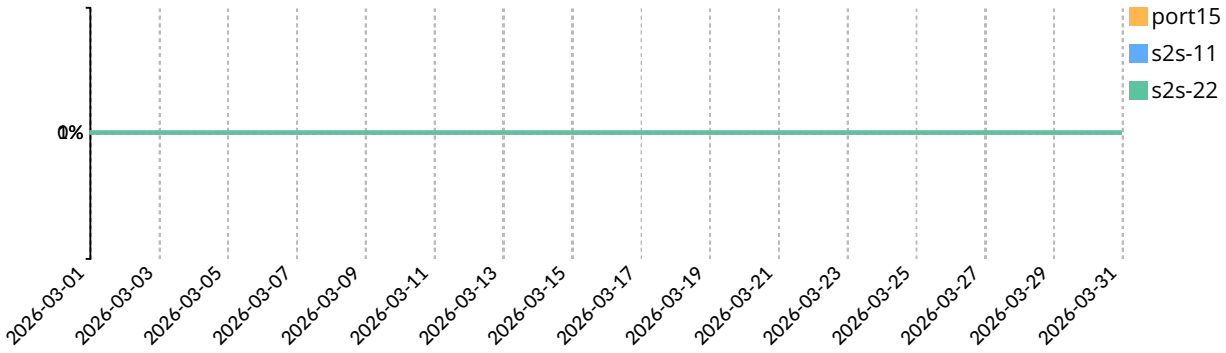
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

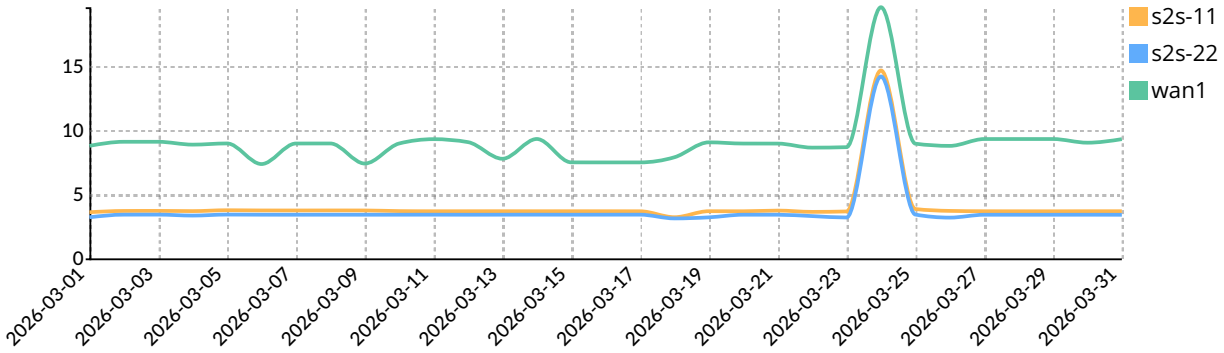


Packet Loss by WAN Link Over Time

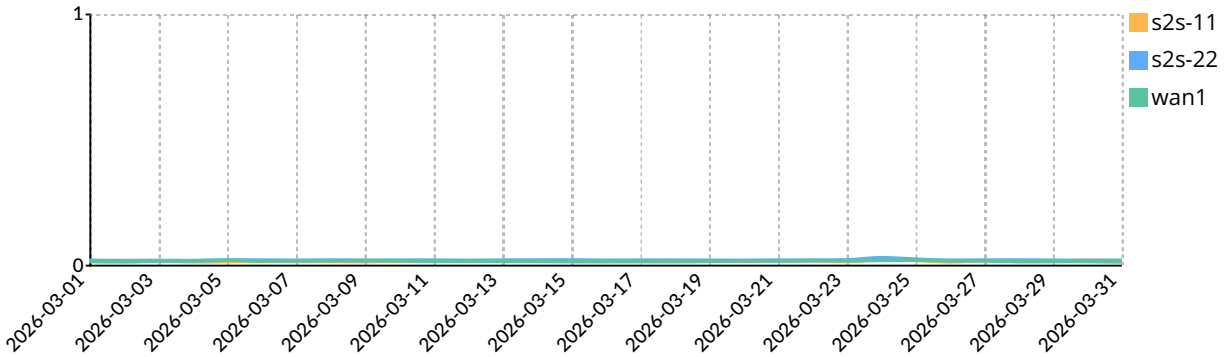


Device - H2-SERPRO11031-CAQ-Caucasia

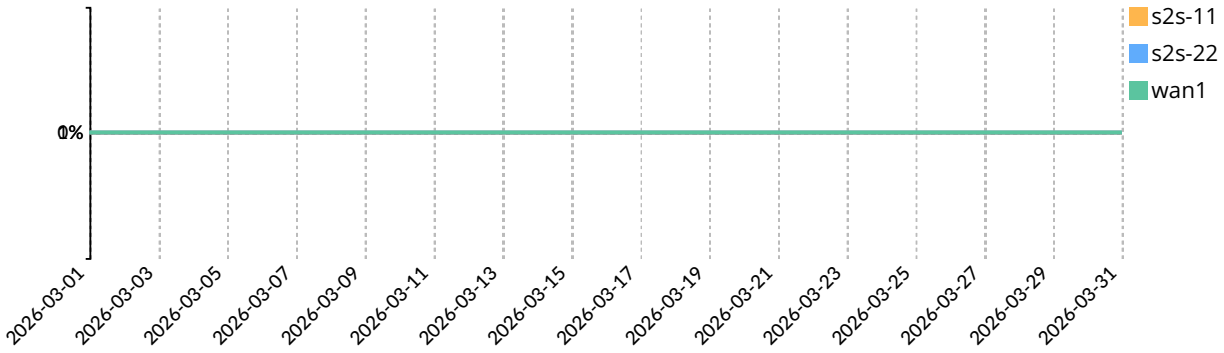
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

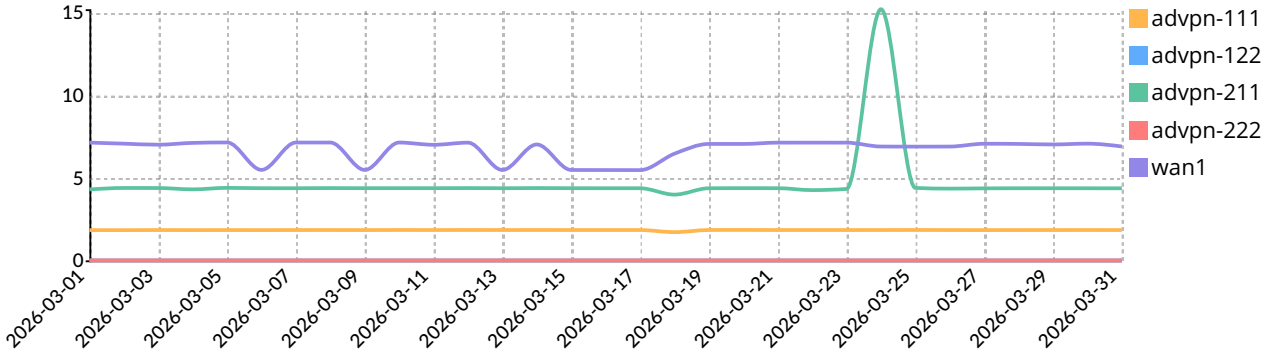


Packet Loss by WAN Link Over Time

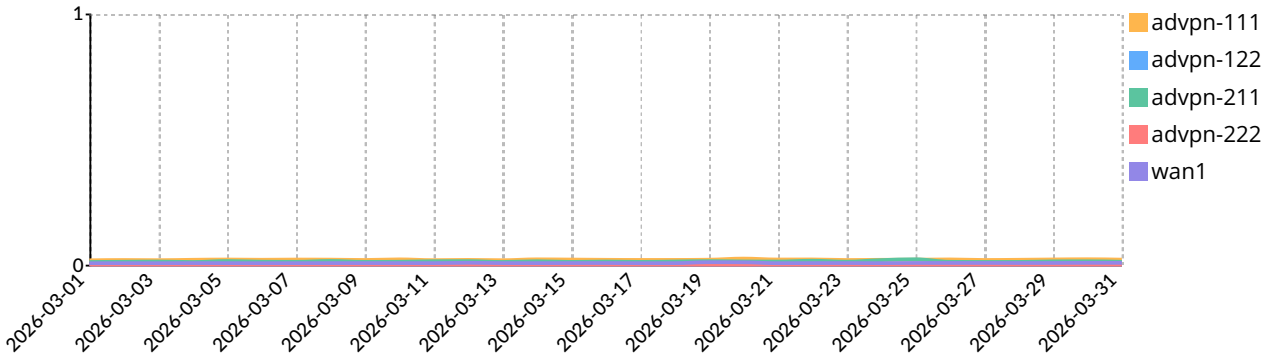


Device - BR-SERPRO11136-STF-SantaFe_Ant

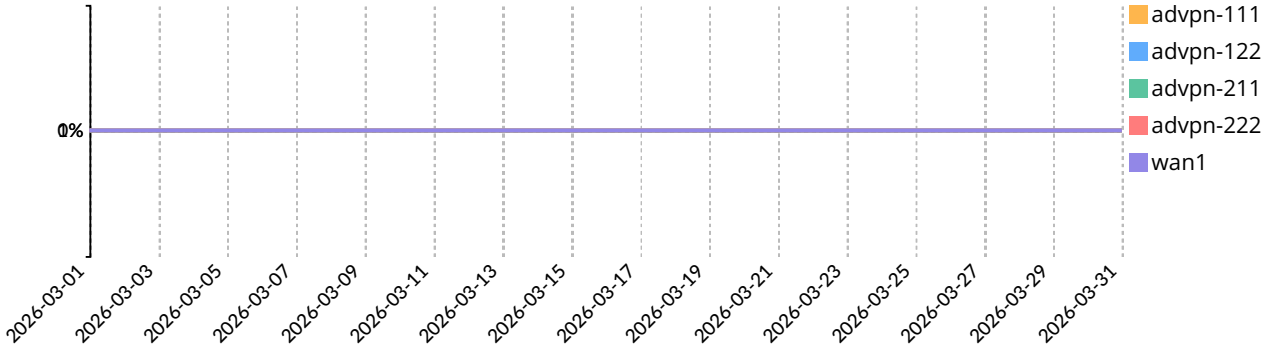
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

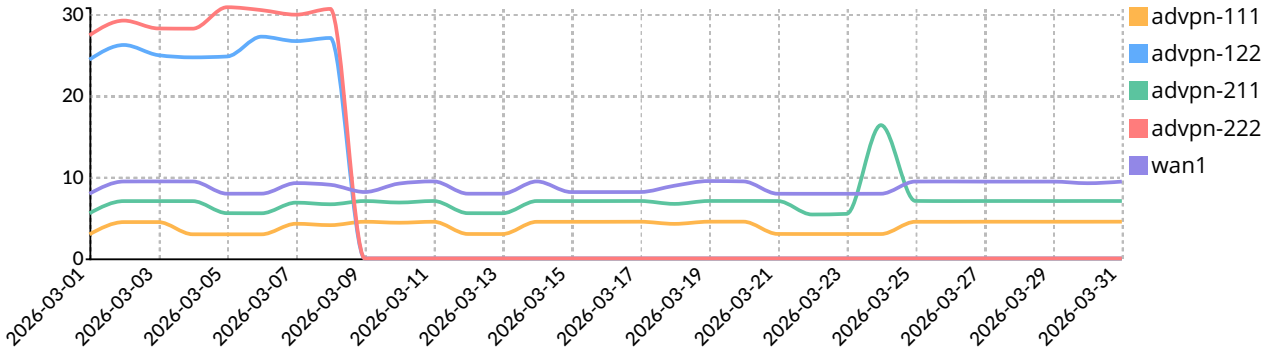


Packet Loss by WAN Link Over Time

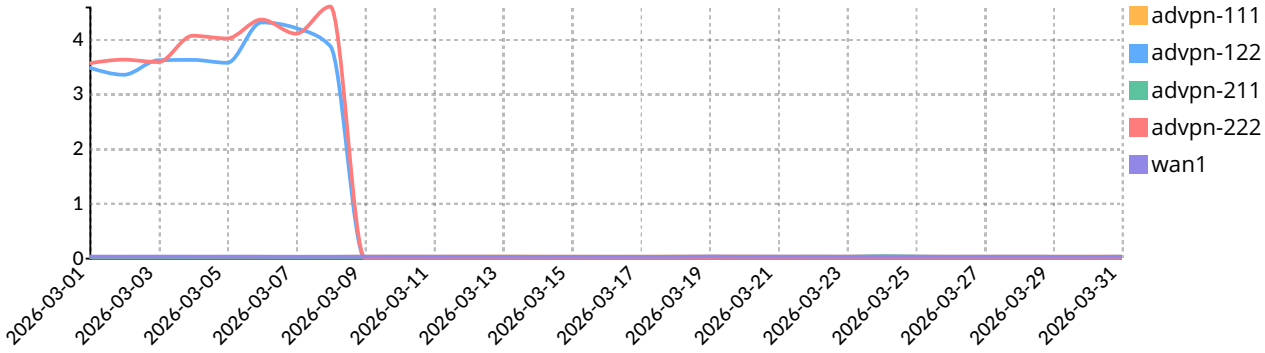


Device - BR-SERPRO11032-ADN-Andes

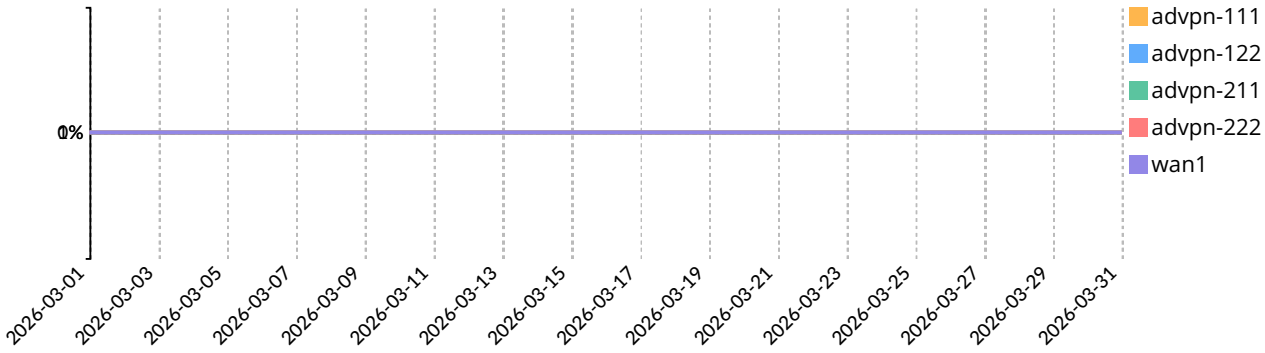
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

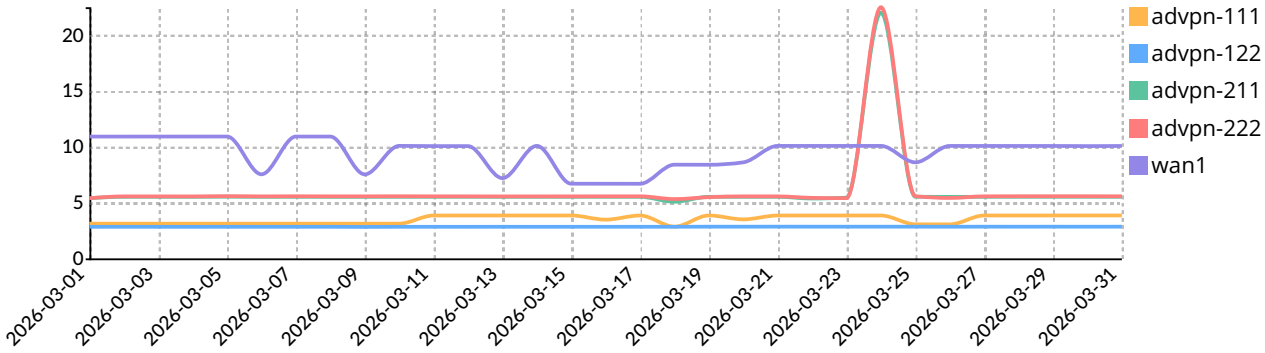


Packet Loss by WAN Link Over Time

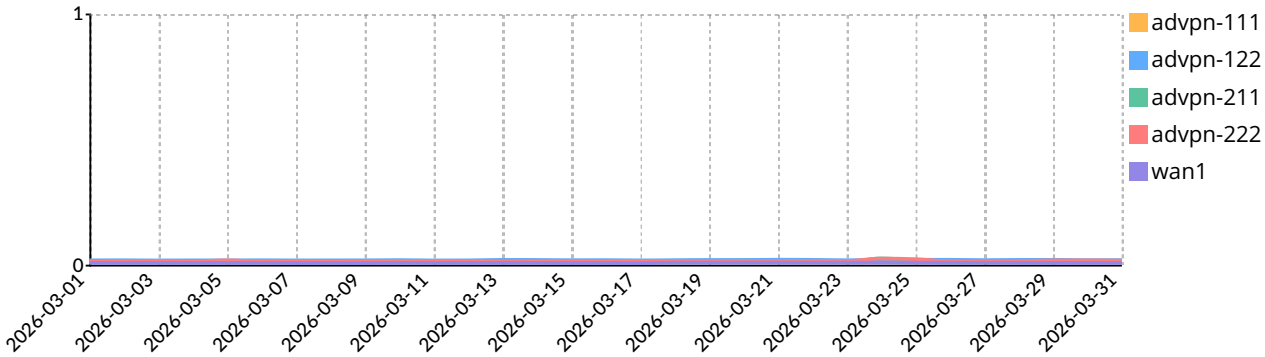


Device - BR-SERPRO11098-SAR-SantaRosa

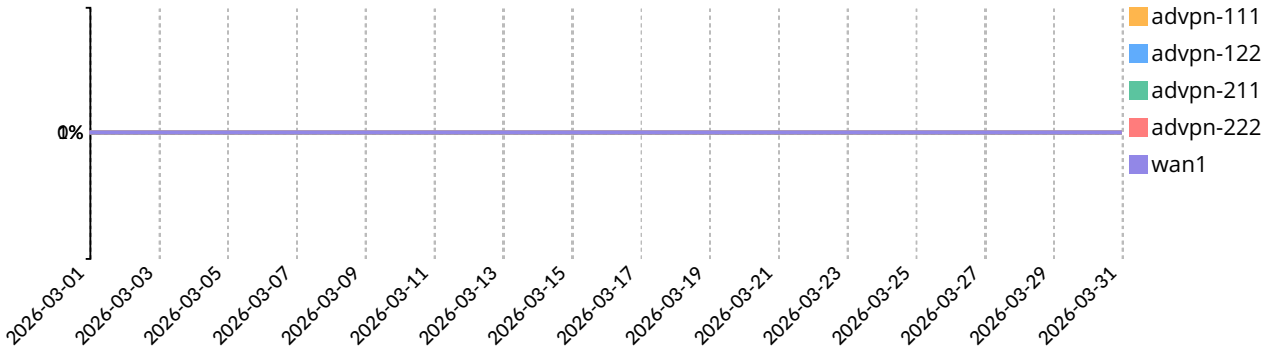
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

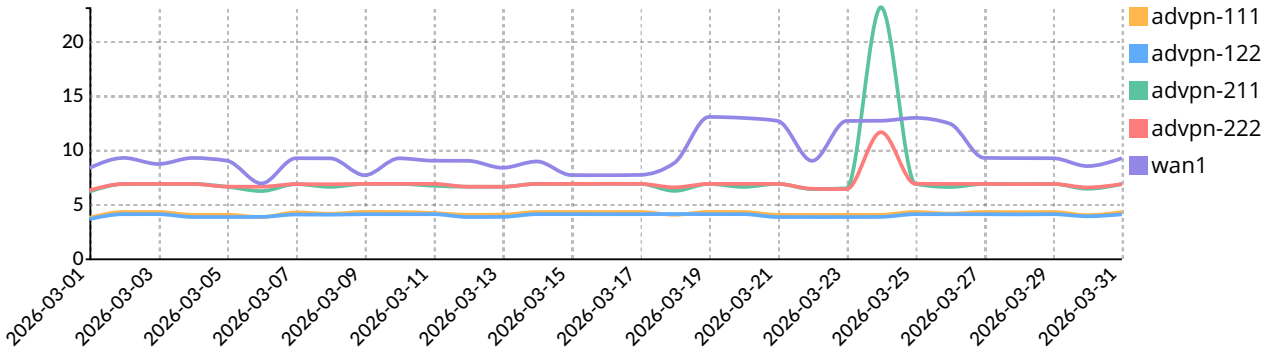


Packet Loss by WAN Link Over Time

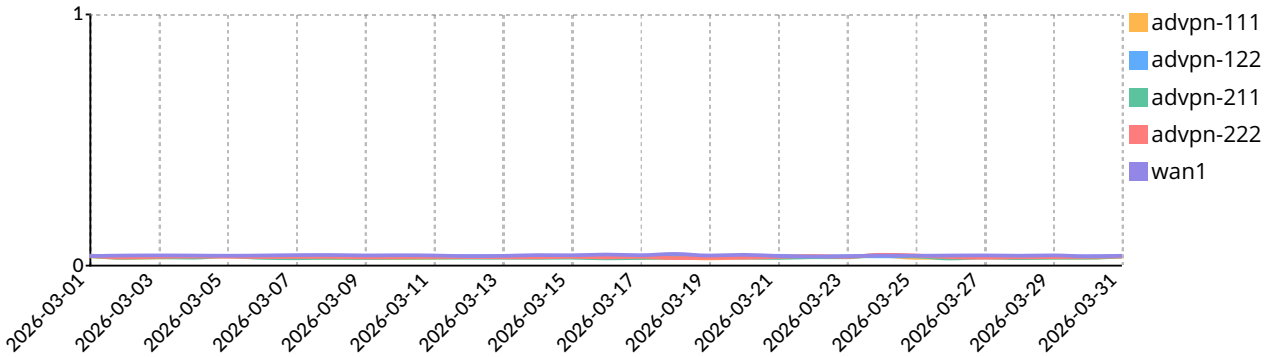


Device - BR-SERPRO10941-JER-Jerico

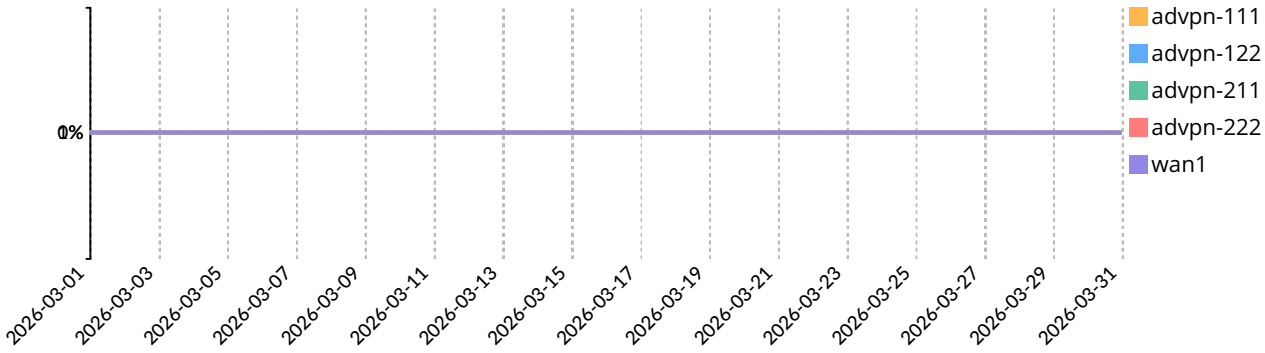
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

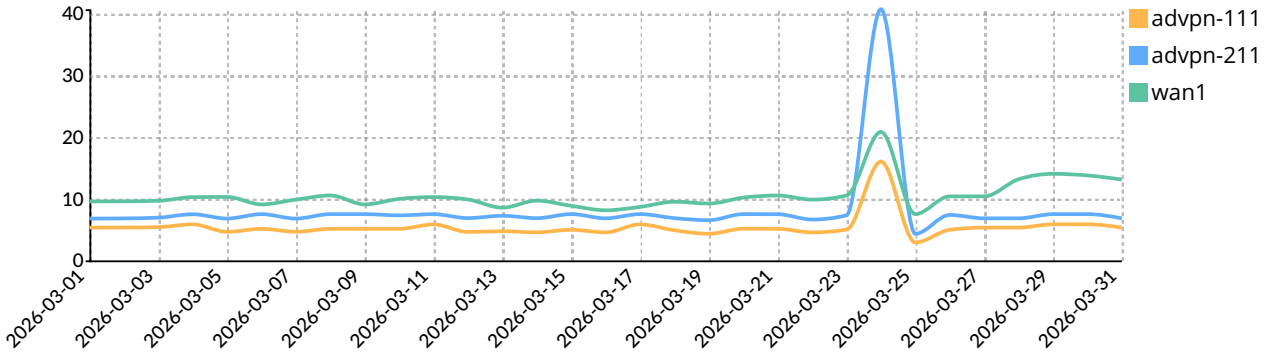


Packet Loss by WAN Link Over Time

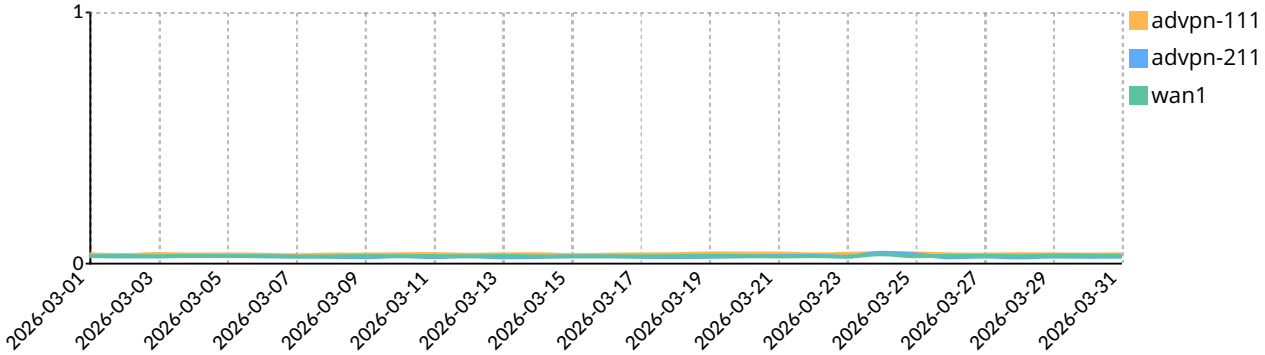


Device - BR-SERPRO11135-EBG-El_Bagre

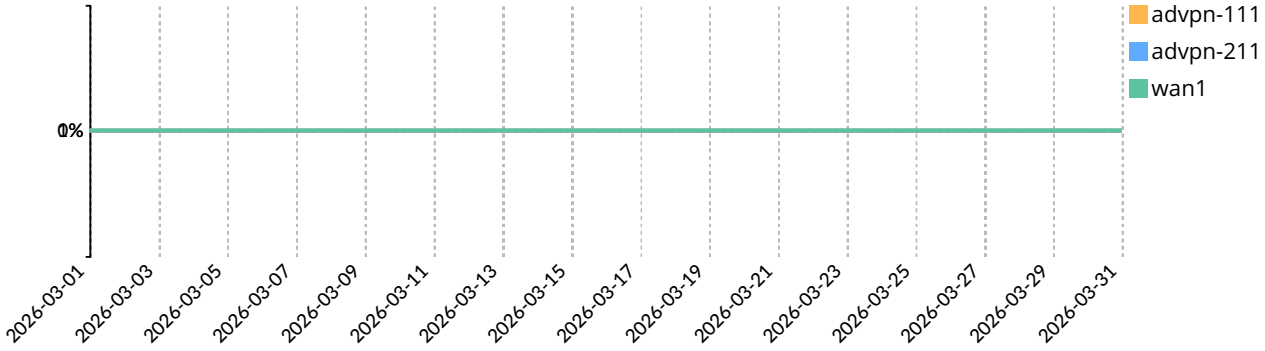
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

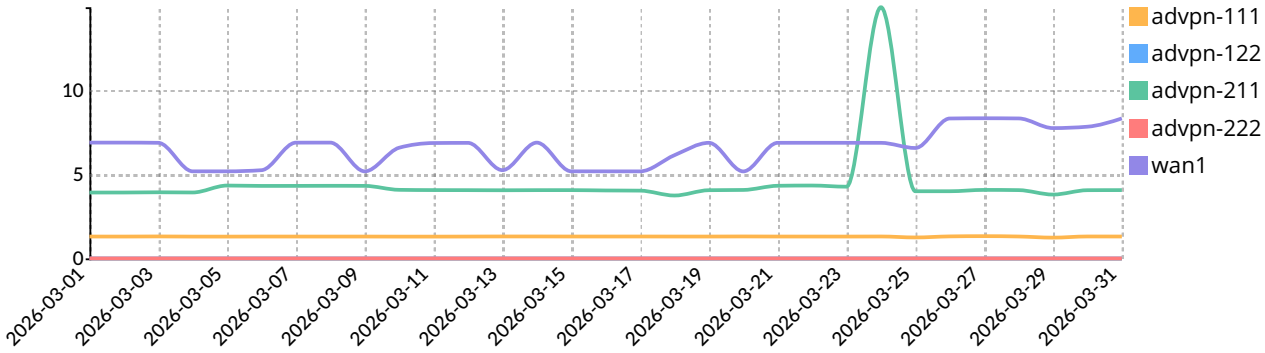


Packet Loss by WAN Link Over Time

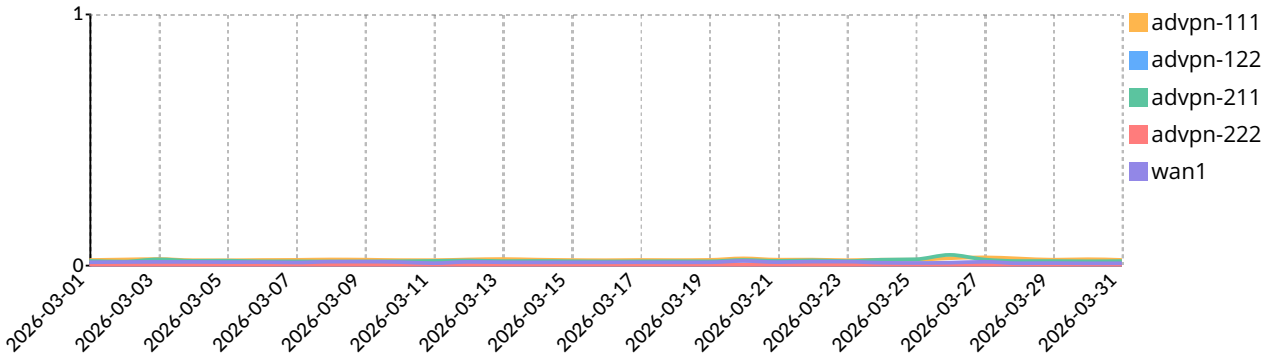


Device - BR-SERPRO47325-MDE-SantaElena

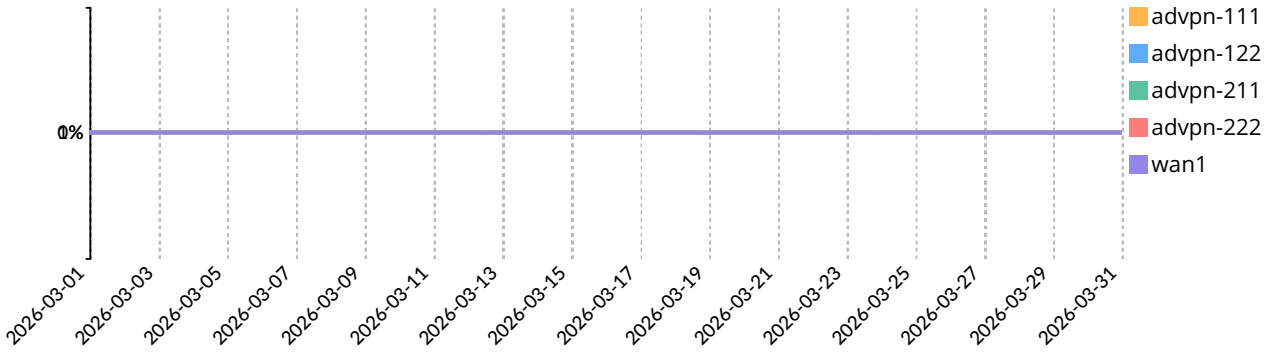
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)

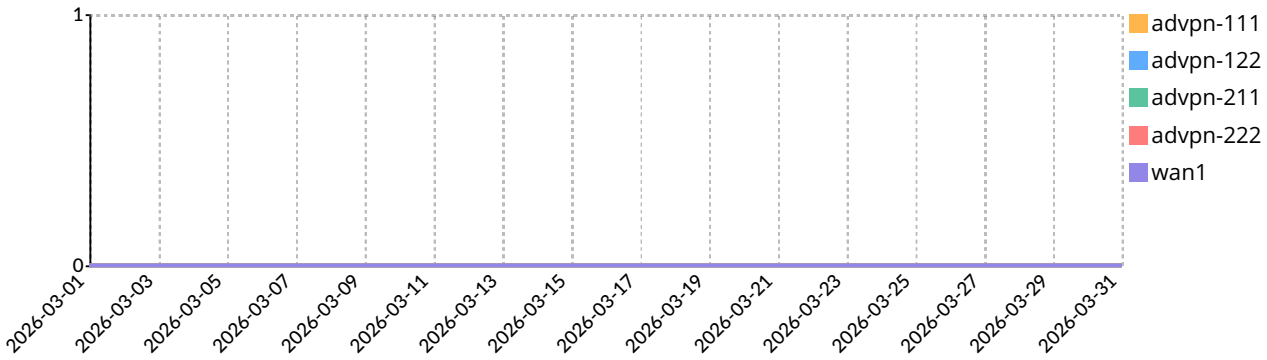


Packet Loss by WAN Link Over Time

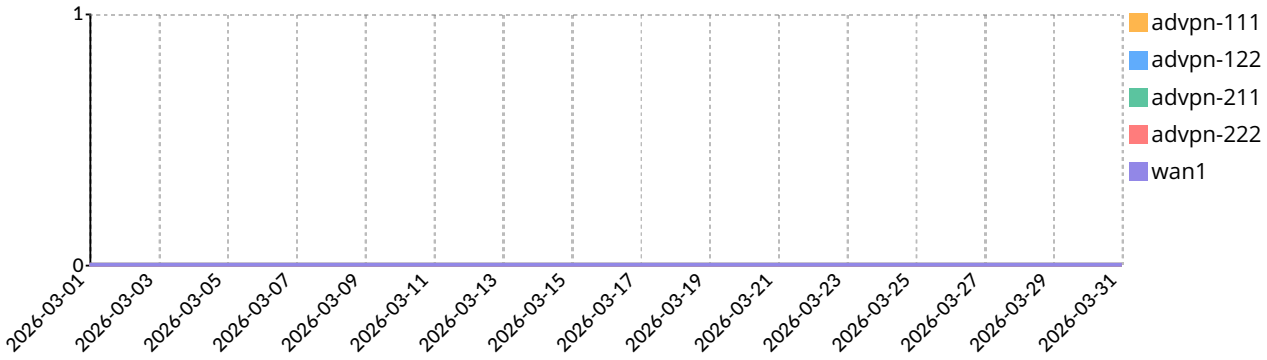


Device - BR-SERPRO47319-VEG-Vegachi

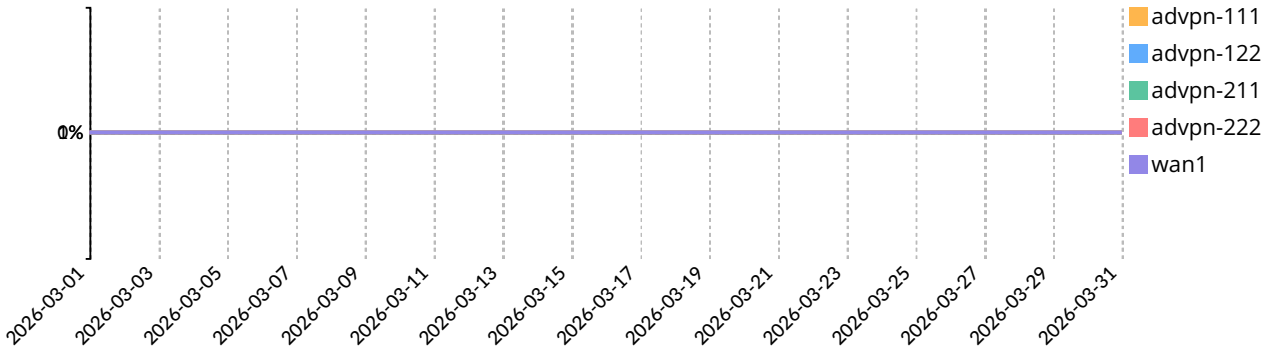
Latency by WAN Link Over Time (ms)



Jitter by WAN Link Over Time (ms)



Packet Loss by WAN Link Over Time



Service Level Agreements (SLAs)

Performance SLA by WAN Link

Performance link monitoring measures the health of links that are connected to SD-WAN member interfaces by sending probing signals through each link to a server and measuring the link quality based on latency, jitter, and packet loss. If a link is broken, the routes on that link are removed, and traffic is routed through other links. When the link is working again, the routes are re-enabled. This prevents traffic being sent to a broken link and lost.

Device - BR-SERPRO47319-VEG-Vegachi

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-122	99.94%
		advpn-111	93.57%
		advpn-111_0	64.52%
		advpn-122_0	61.67%
2	Sonda_Hub2	advpn-222	99.83%
		advpn-211	93.75%
3	Sonda_Internet	wan1	98.79%

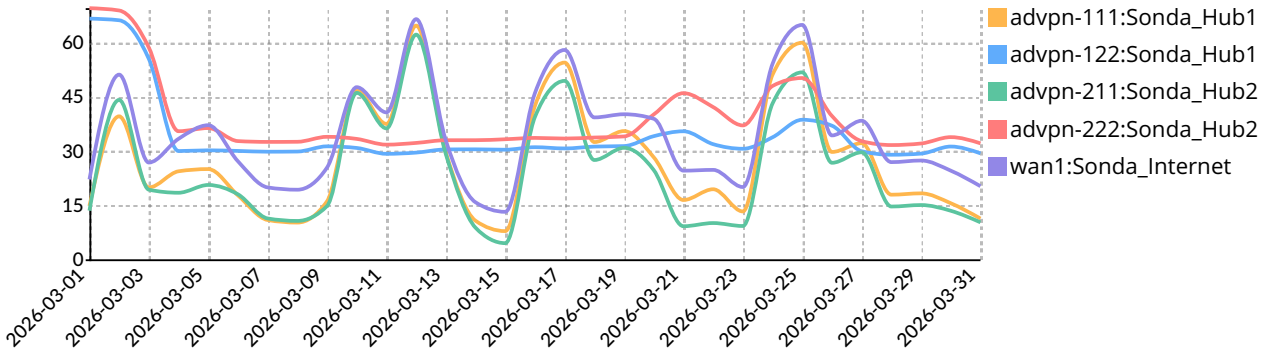
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-122_0	100.00%
		advpn-122	99.97%
		advpn-111	92.48%
		advpn-111_0	82.26%
2	Sonda_Hub2	advpn-222	99.90%
		advpn-211	91.98%
3	Sonda_Internet	wan1	94.48%

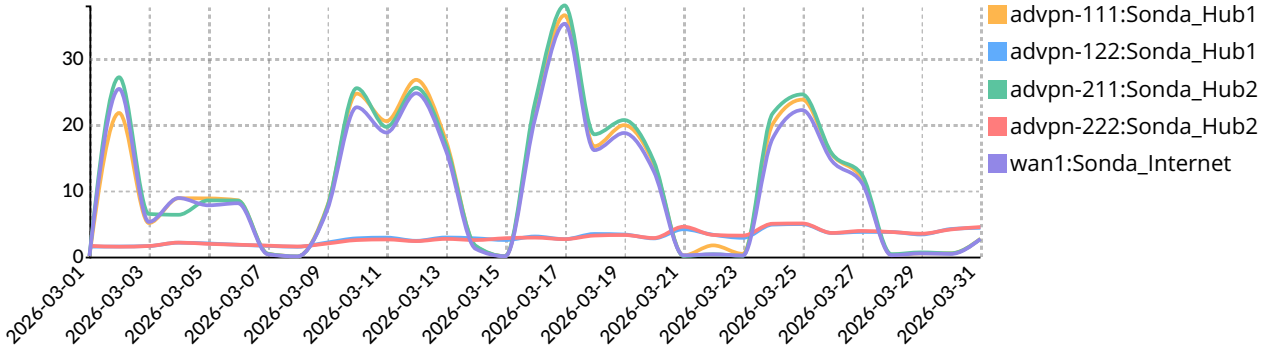
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-122_0	100.00%
		advpn-122	91.16%
		advpn-111_0	77.42%
		advpn-111	49.13%
2	Sonda_Hub2	advpn-222	88.54%
		advpn-211	50.98%
3	Sonda_Internet	wan1	44.72%

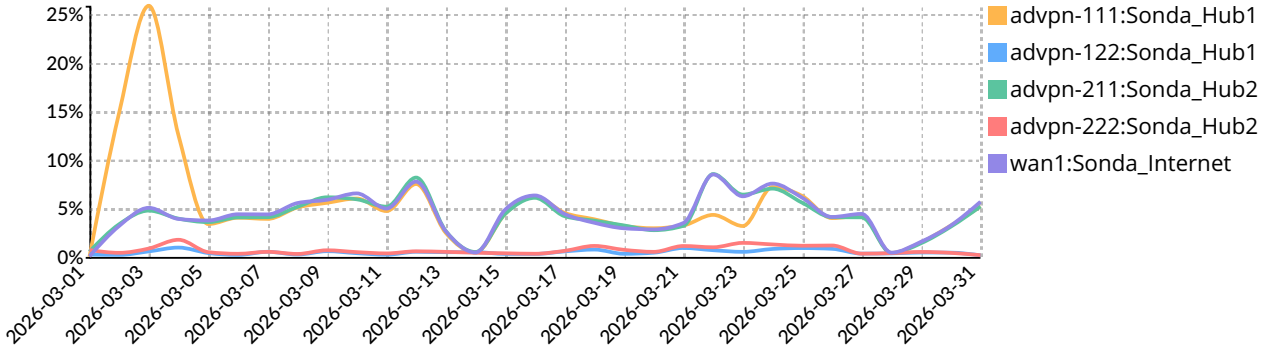
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - H1-SERPRO47324-MDE-Centro

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub2	s2s-11	100.00%
		s2s-22	100.00%
2	Sonda_Internet	port15	100.00%

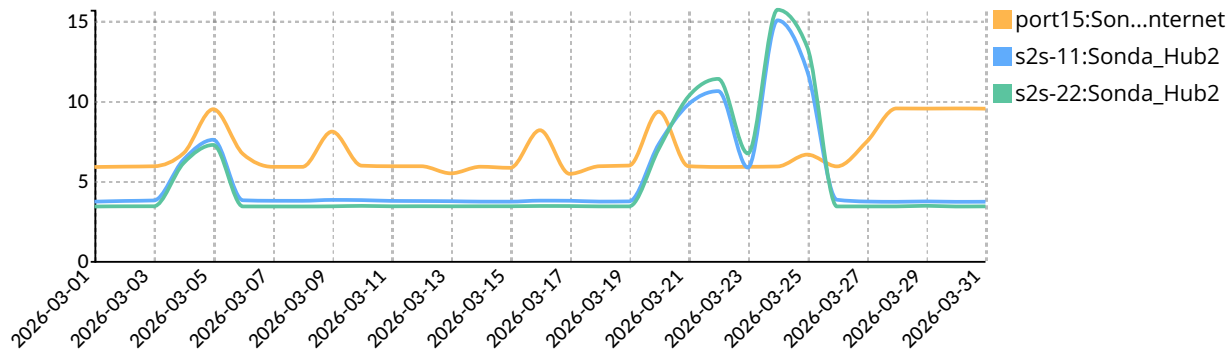
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub2	s2s-11	100.00%
		s2s-22	100.00%
2	Sonda_Internet	port15	100.00%

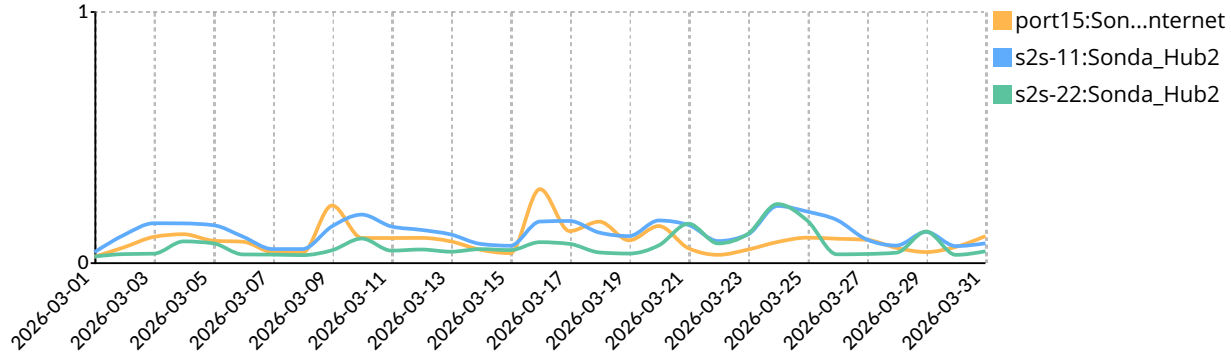
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub2	s2s-22	96.90%
		s2s-11	94.90%
2	Sonda_Internet	port15	99.71%

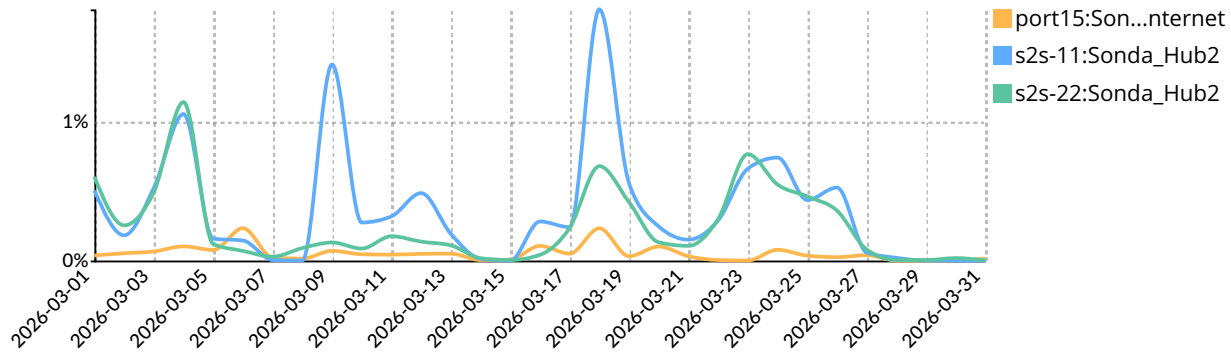
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - H2-SERPRO11031-CAQ-Caucasia

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	s2s-11	100.00%
		s2s-22	100.00%
2	Sonda_Internet	wan1	100.00%

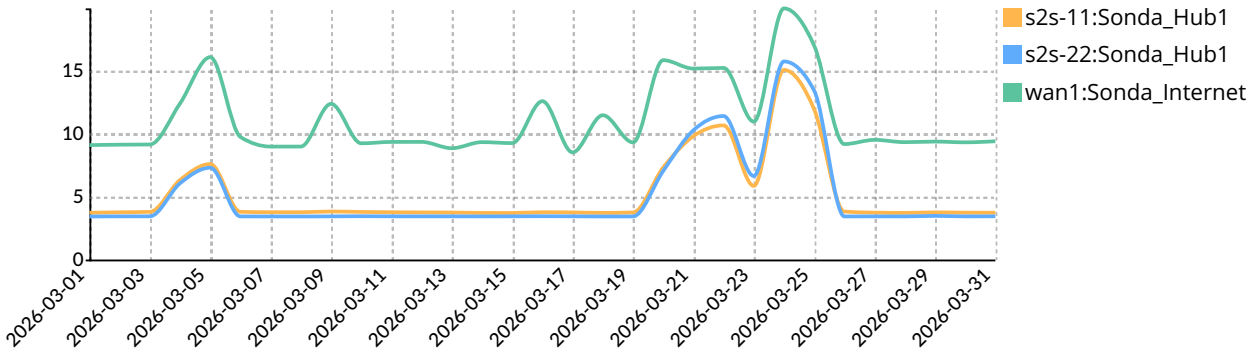
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	s2s-11	100.00%
		s2s-22	100.00%
2	Sonda_Internet	wan1	100.00%

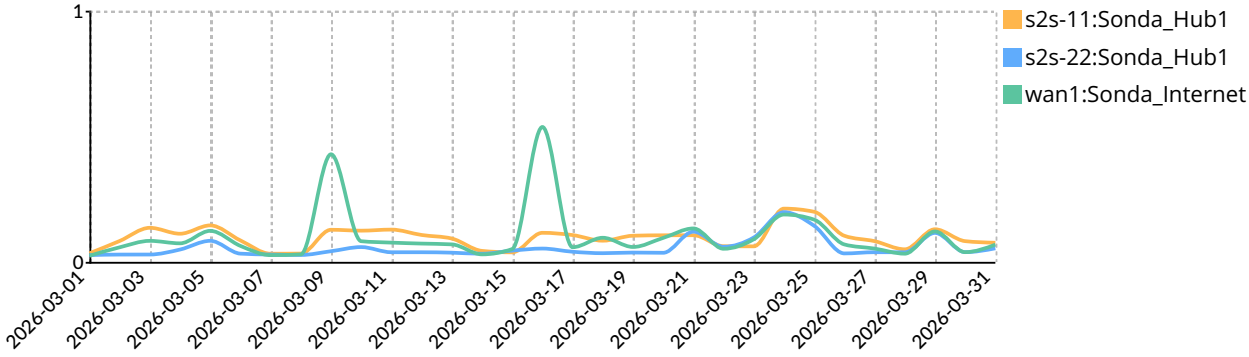
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	s2s-22	97.23%
		s2s-11	95.29%
2	Sonda_Internet	wan1	95.58%

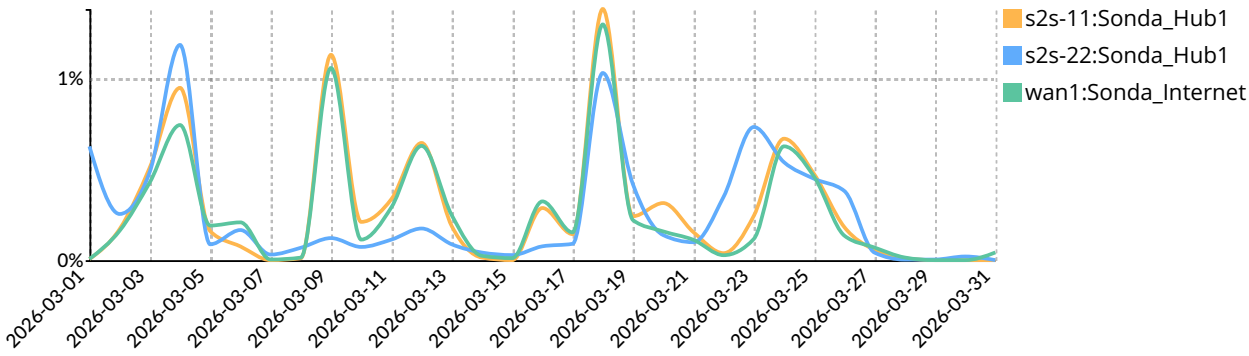
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO11136-STF-SantaFe_Ant

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
		advpn-111_0	100.00%
2	Sonda_Internet	wan1	100.00%
3	Sonda_Hub2	advpn-211	99.99%

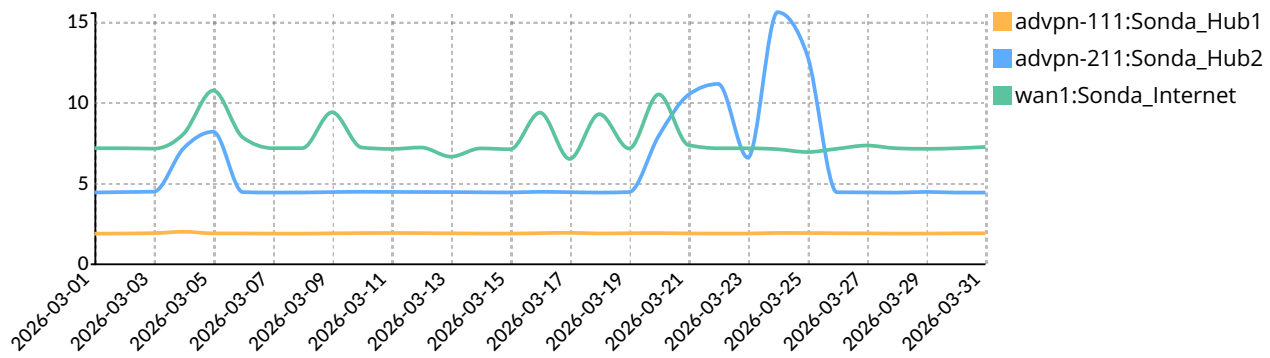
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
		advpn-111_0	85.58%
2	Sonda_Hub2	advpn-211	100.00%
3	Sonda_Internet	wan1	100.00%

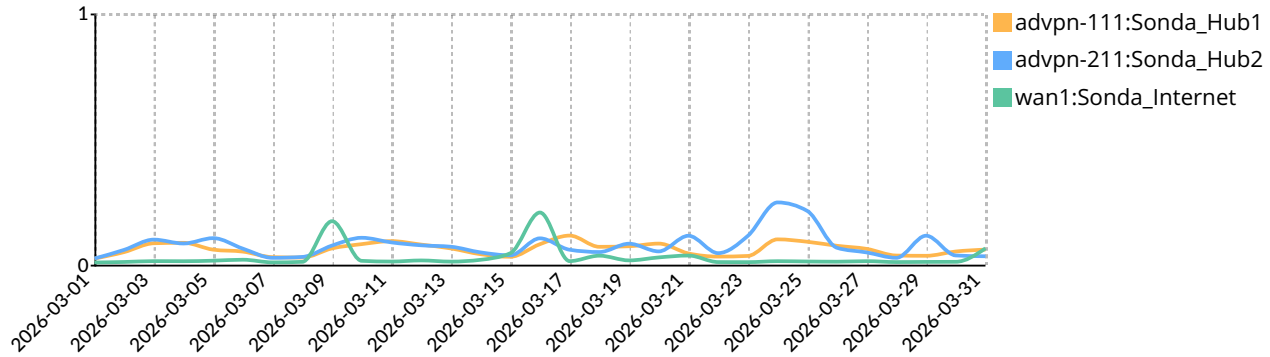
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-111	98.57%
		advpn-111_0	79.81%
2	Sonda_Internet	wan1	98.48%
3	Sonda_Hub2	advpn-211	95.17%

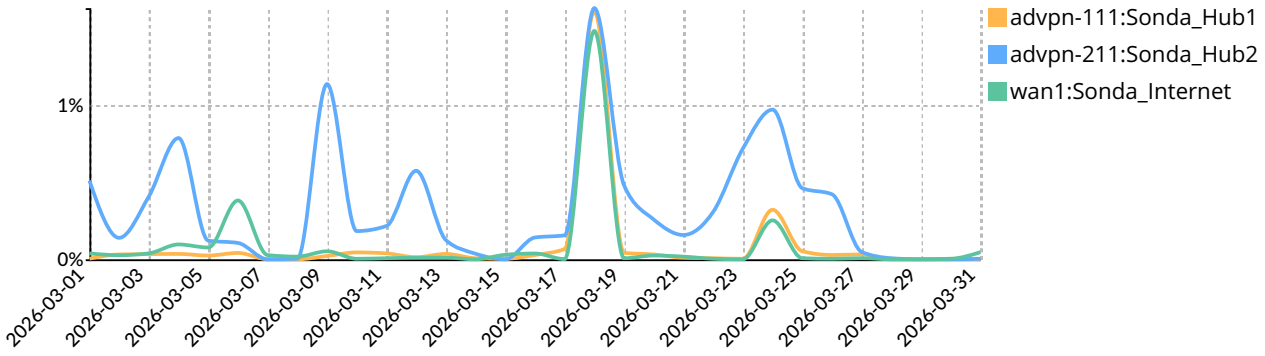
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO11032-ADN-Andes

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-122	100.00%
		advpn-111	93.91%
		advpn-122_0	82.81%
		advpn-111_2	78.21%
		advpn-111_0	72.18%
		advpn-111_1	71.55%
		advpn-122_1	58.35%
2	Sonda_Hub2	advpn-222	100.00%
		advpn-211	93.36%
3	Sonda_Internet	wan1	99.95%

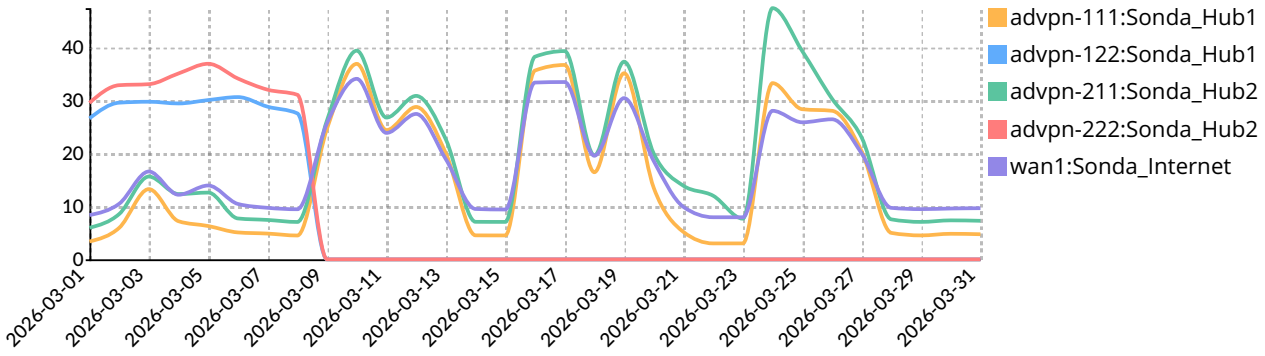
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-122	99.91%
		advpn-122_0	98.63%
		advpn-122_1	96.67%
		advpn-111	96.01%
		advpn-111_2	87.26%
		advpn-111_1	82.58%
		advpn-111_0	79.78%
2	Sonda_Hub2	advpn-222	99.86%
		advpn-211	96.36%
3	Sonda_Internet	wan1	98.57%

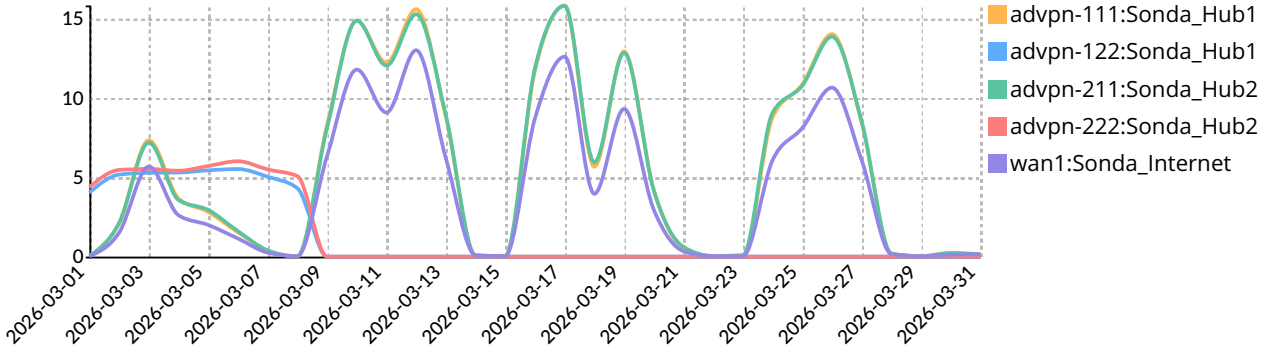
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-122_0	99.51%
		advpn-122_1	99.49%
		advpn-111	98.50%
		advpn-111_0	93.45%
		advpn-111_1	79.93%
		advpn-111_2	52.53%
2	Sonda_Internet	wan1	98.34%
3	Sonda_Hub2	advpn-211	95.90%

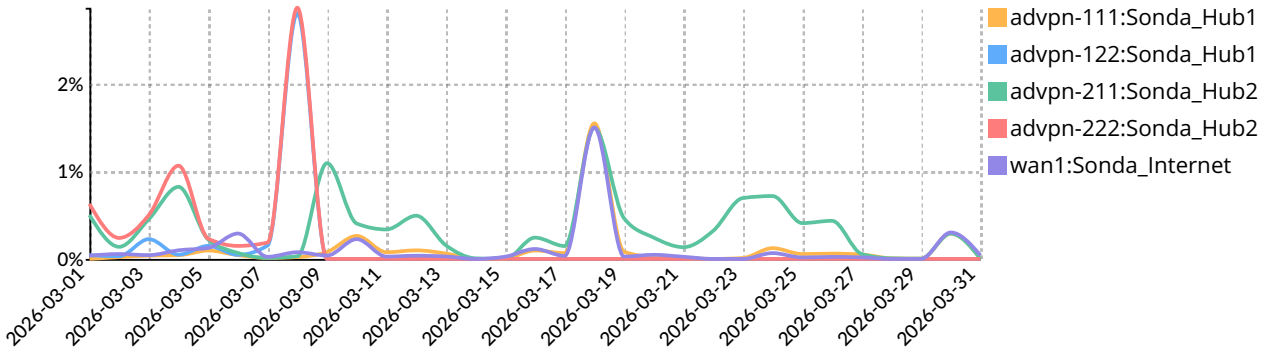
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO11098-SAR-SantaRosa

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-111_1	100.00%
		advpn-122	100.00%
		advpn-122_0	100.00%
		advpn-111	99.38%
		advpn-111_0	73.07%
2	Sonda_Hub2	advpn-222	98.51%
		advpn-211	98.19%
3	Sonda_Internet	wan1	100.00%

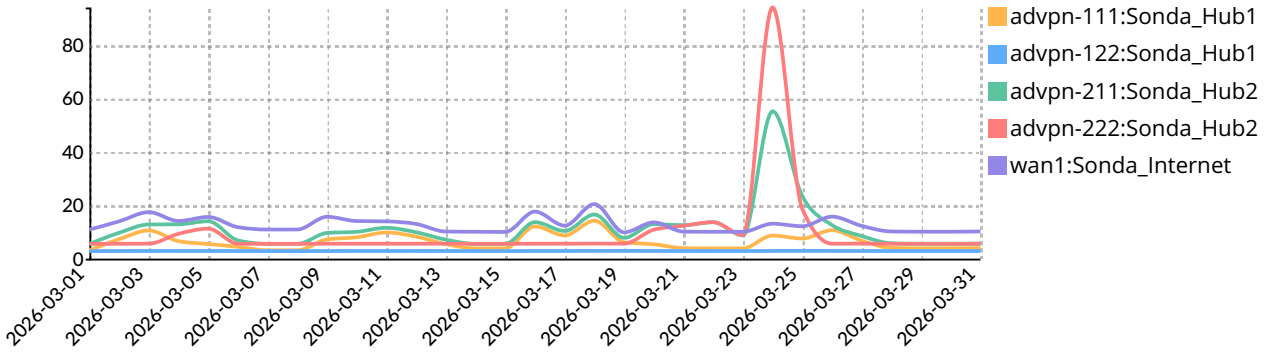
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-122	100.00%
		advpn-122_0	99.63%
		advpn-111	97.09%
		advpn-111_1	90.74%
		advpn-111_0	79.66%
2	Sonda_Hub2	advpn-222	100.00%
		advpn-211	97.23%
3	Sonda_Internet	wan1	99.59%

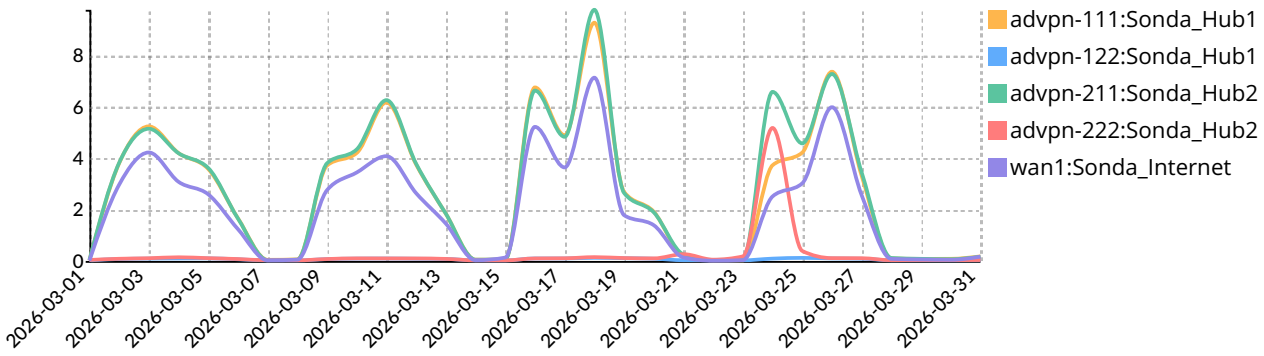
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-111_1	100.00%
		advpn-122	99.89%
		advpn-122_0	99.15%
		advpn-111_0	99.06%
		advpn-111	98.10%
2	Sonda_Hub2	advpn-222	97.03%
		advpn-211	95.26%
3	Sonda_Internet	wan1	97.95%

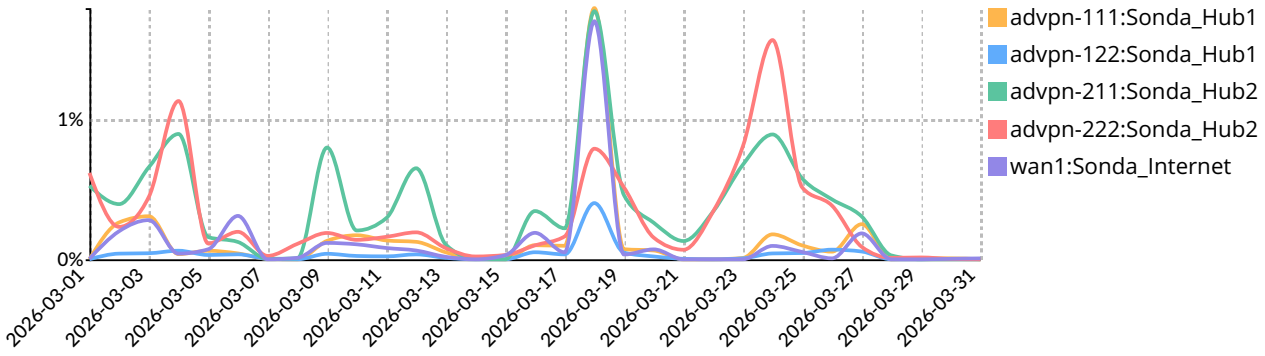
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO10941-JER-Jerico

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-111	95.08%
		advpn-122	87.11%
		advpn-111_1	80.36%
		advpn-111_0	71.13%
		advpn-122_0	48.98%
2	Sonda_Hub2	advpn-211	94.14%
		advpn-222	86.82%
3	Sonda_Internet	wan1	99.92%

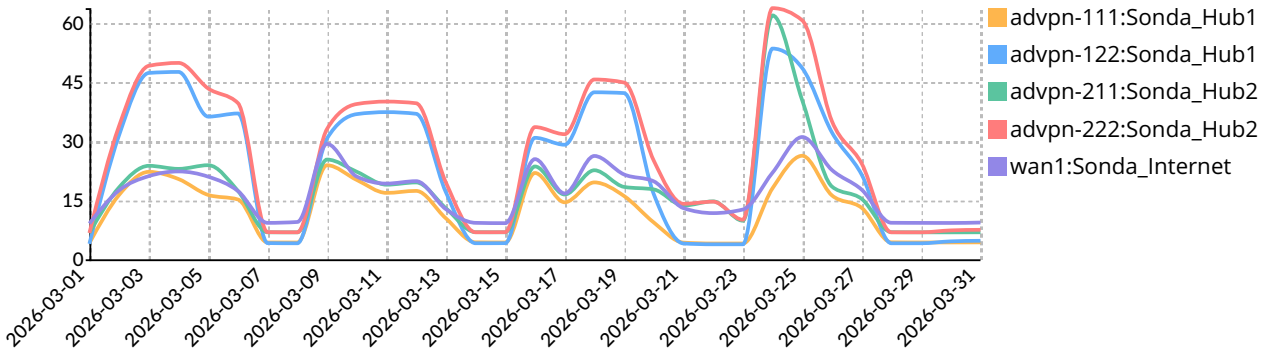
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-122	98.25%
		advpn-111	95.76%
		advpn-122_0	95.73%
		advpn-111_0	82.40%
		advpn-111_1	81.25%
2	Sonda_Hub2	advpn-222	98.53%
		advpn-211	96.27%
3	Sonda_Internet	wan1	97.85%

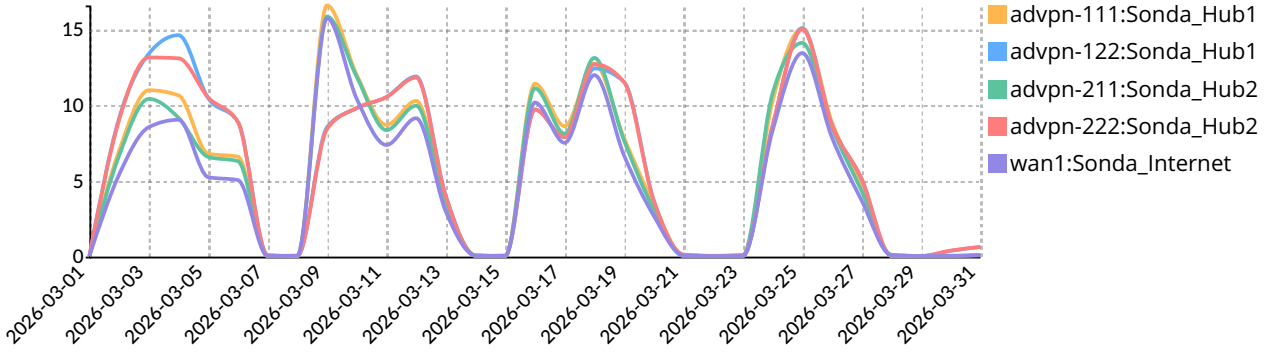
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-122_0	99.70%
		advpn-122	95.37%
		advpn-111	80.55%
		advpn-111_0	74.78%
		advpn-111_1	68.75%
2	Sonda_Hub2	advpn-222	93.18%
		advpn-211	78.32%
3	Sonda_Internet	wan1	77.27%

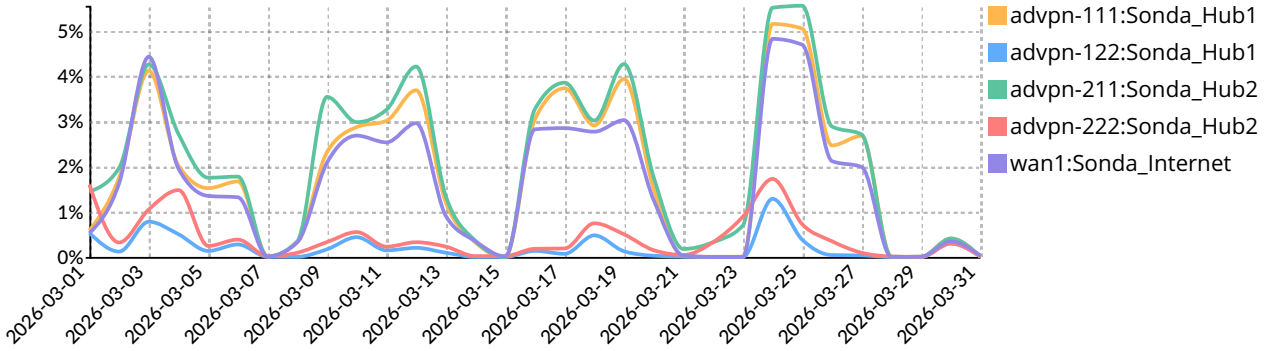
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO11135-EBG-El_Bagre

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
2	Sonda_Internet	wan1	99.99%
3	Sonda_Hub2	advpn-211	98.48%

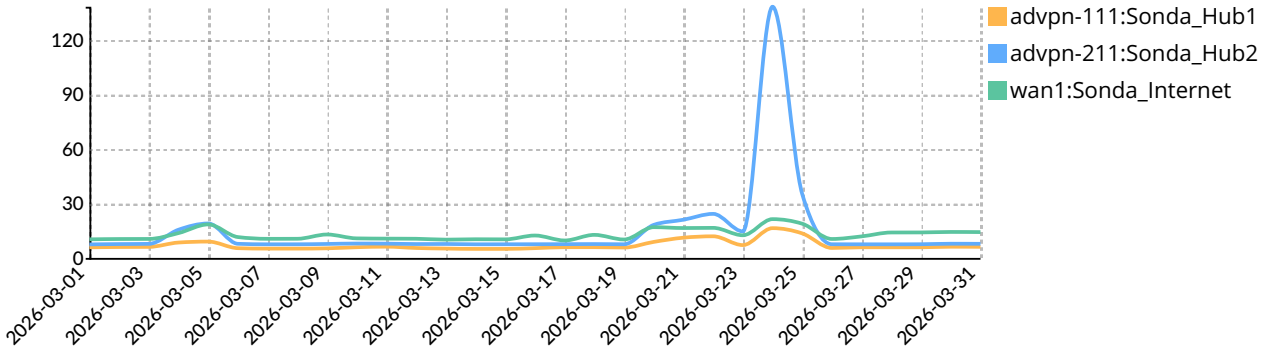
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
2	Sonda_Hub2	advpn-211	100.00%
3	Sonda_Internet	wan1	100.00%

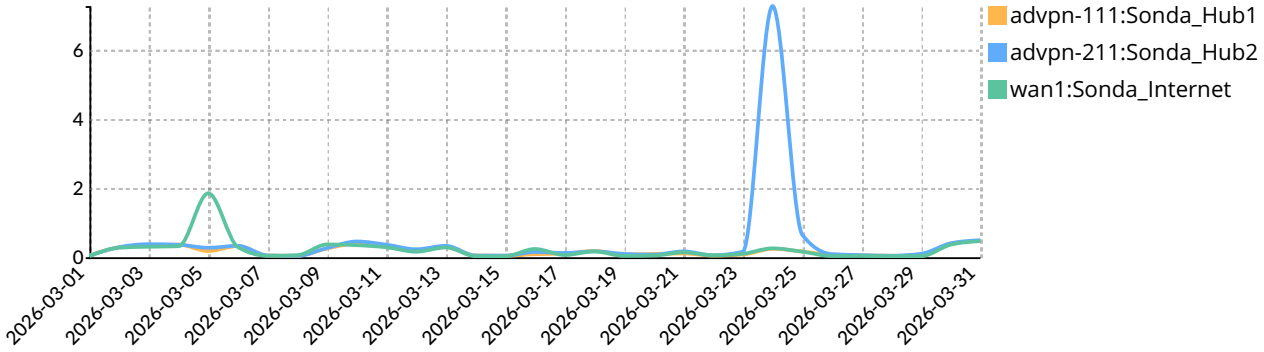
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Internet	wan1	95.63%
2	Sonda_Hub1	advpn-111	95.41%
3	Sonda_Hub2	advpn-211	91.41%

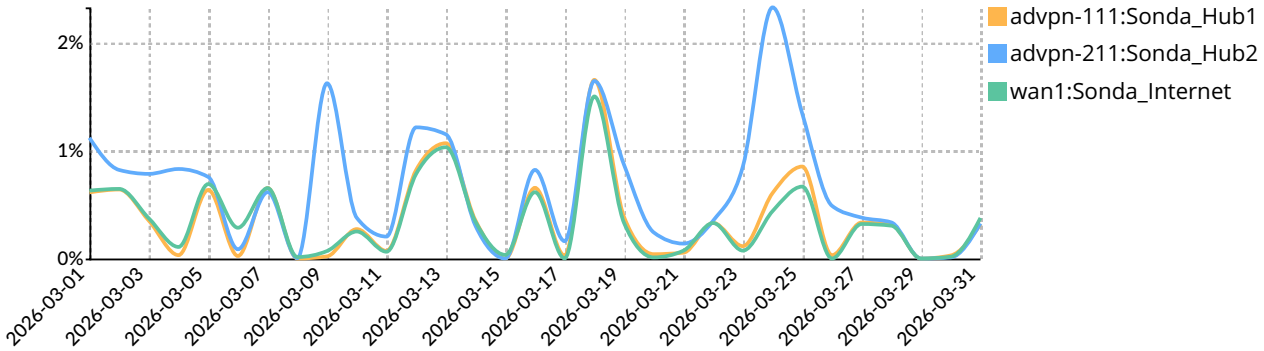
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO47325-MDE-SantaElena

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-122	100.00%
		advpn-111	97.80%
2	Sonda_Hub2	advpn-222	100.00%
		advpn-211	97.78%
3	Sonda_Internet	wan1	99.87%

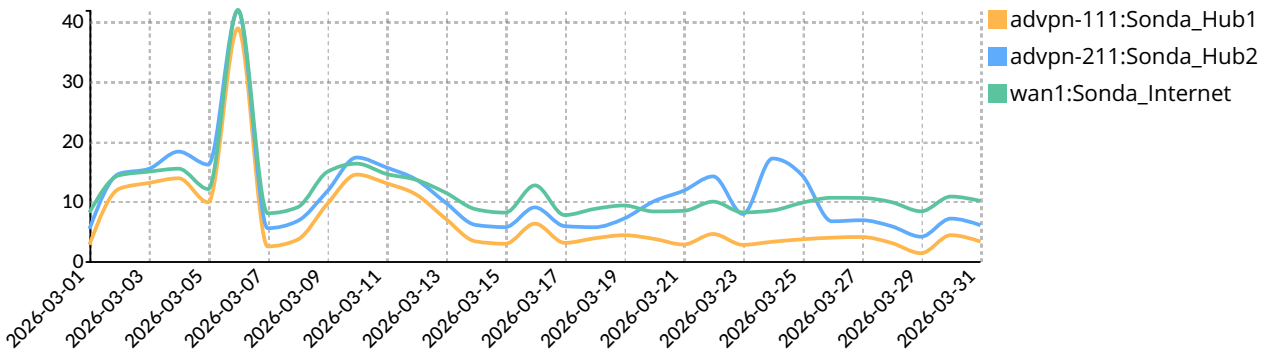
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub2	advpn-222	100.00%
		advpn-211	97.83%
2	Sonda_Hub1	advpn-122	100.00%
		advpn-111	97.69%
3	Sonda_Internet	wan1	99.21%

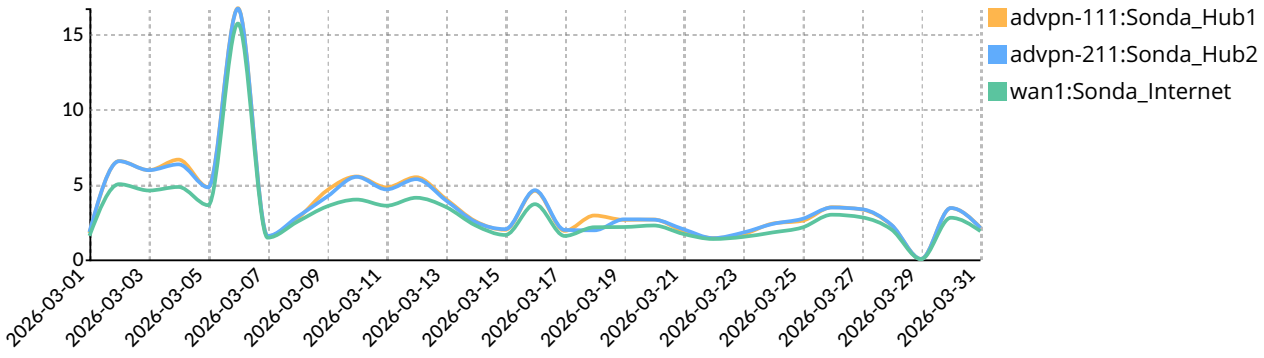
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-111	98.75%
2	Sonda_Internet	wan1	98.66%
3	Sonda_Hub2	advpn-211	93.97%

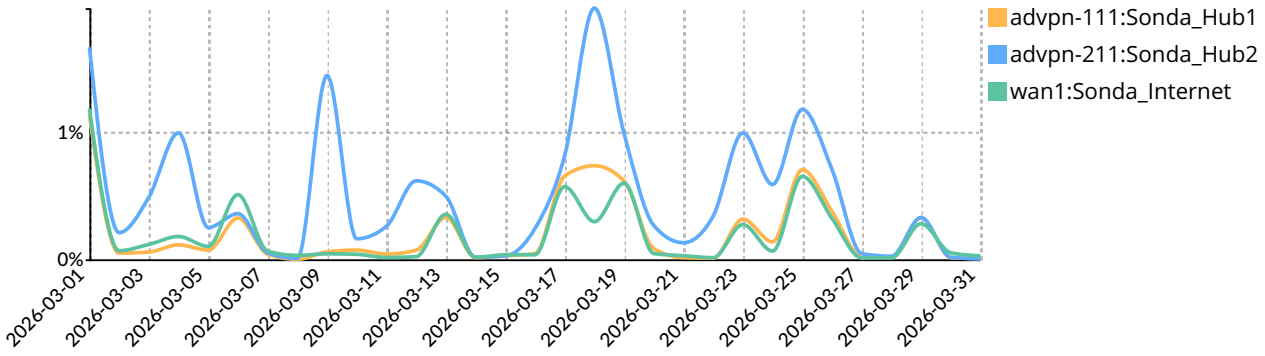
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time



Device - BR-SERPRO47319-VEG-Vegachi

SLA Rules Link Percentage Within Latency Threshold

#	SLA Rules	Links	Latency Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
		advpn-122	100.00%
2	Sonda_Hub2	advpn-211	100.00%
		advpn-222	100.00%

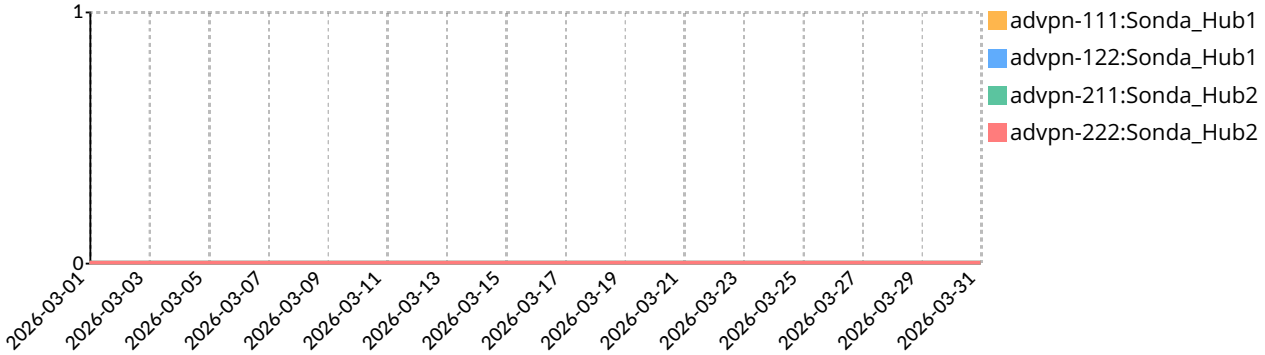
SLA Rules Link Percentage Within Jitter Threshold

#	SLA Rules	Links	Jitter Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
		advpn-122	100.00%
2	Sonda_Hub2	advpn-211	100.00%
		advpn-222	100.00%

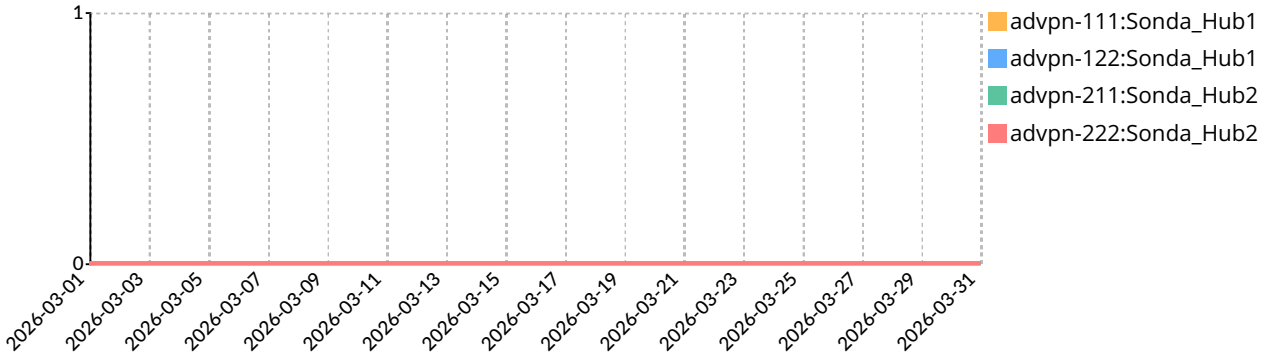
SLA Rules Link Percentage Within Packet Loss Threshold

#	SLA Rules	Links	Packet Loss Within Threshold
1	Sonda_Hub1	advpn-111	100.00%
		advpn-122	100.00%
2	Sonda_Hub2	advpn-211	100.00%
		advpn-222	100.00%

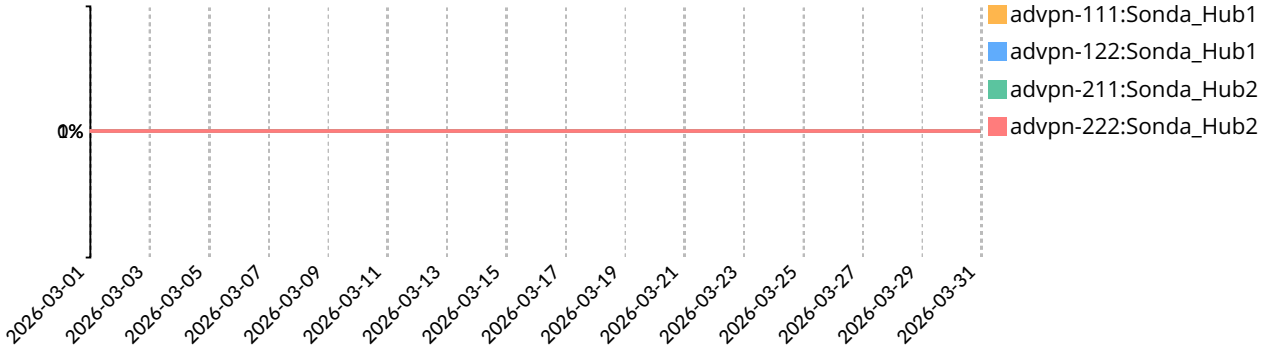
Latency by Link and SLA Rule Over Time (ms)



Jitter by Link and SLA Rule Over Time (ms)



Packet Loss by Link and SLA Rule Over Time

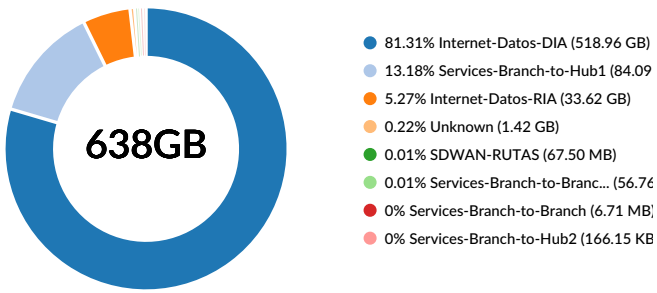


SD-WAN Utilization

FortiGate can be set to recognize applications by business criticality. Business-critical applications, general productivity applications, and social media can be given different routing priorities. Unique policies can be applied at a deeper level for sub-applications. This broad application-level visibility into traffic patterns and utilization offers a better position to allocate WAN resources according to business needs. Fortinet Secure SD-WAN identifies and classifies applications—even encrypted cloud application traffic—from the very first packet. In addition to individual applications, understanding overall utilization can help with capacity planning, circuit selection, and streamlining network traffic over time. This awareness can also help reduce operational costs associated with backhauling traffic over more expensive WAN links (such as MPLS).

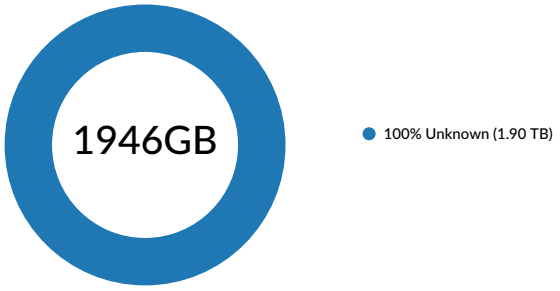
Device - BR-SERPRO47319-VEG-Vegachi

Traffic Utilization by SD-WAN Rule



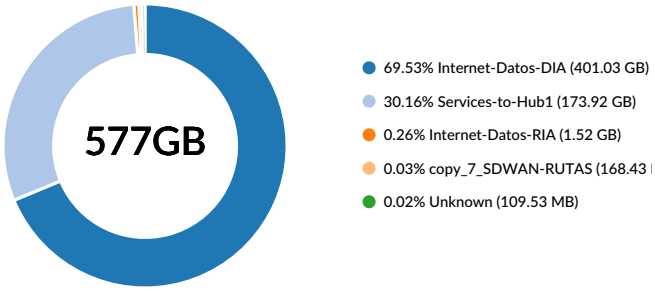
Device - H1-SERPRO47324-MDE-Centro

Traffic Utilization by SD-WAN Rule



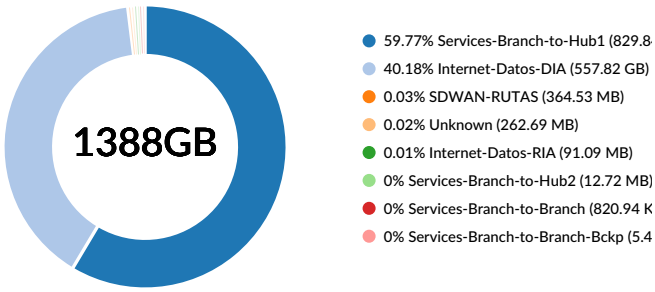
Device - H2-SERPRO11031-CAQ-Caucasia

Traffic Utilization by SD-WAN Rule



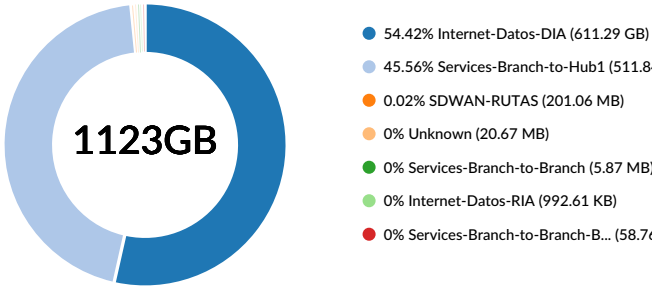
Device - BR-SERPRO11136-STF-SantaFe_Ant

Traffic Utilization by SD-WAN Rule



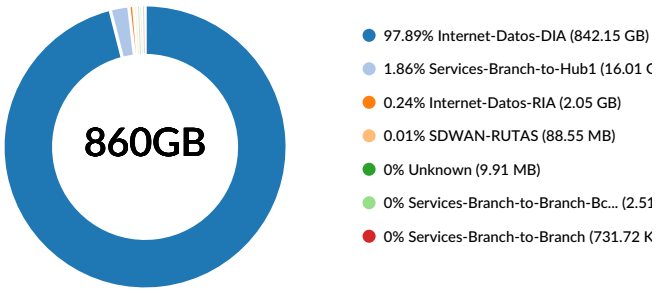
Device - BR-SERPRO11032-ADN-Andes

Traffic Utilization by SD-WAN Rule



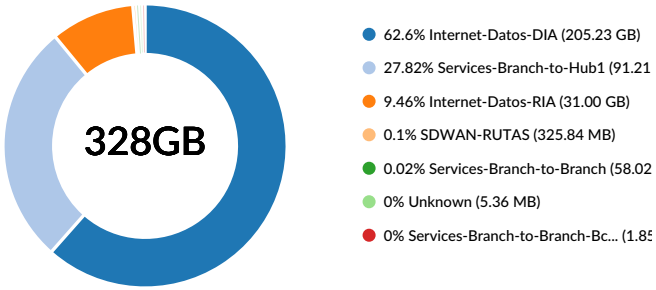
Device - BR-SERPRO11098-SAR-SantaRosa

Traffic Utilization by SD-WAN Rule



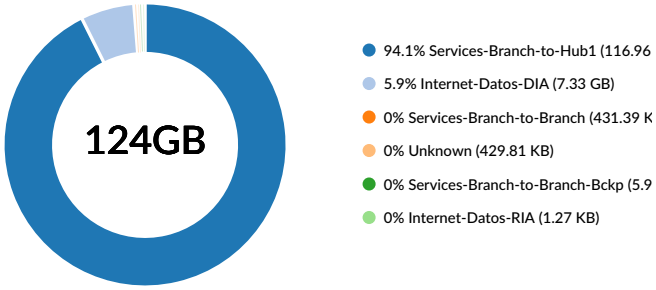
Device - BR-SERPRO10941-JER-Jerico

Traffic Utilization by SD-WAN Rule



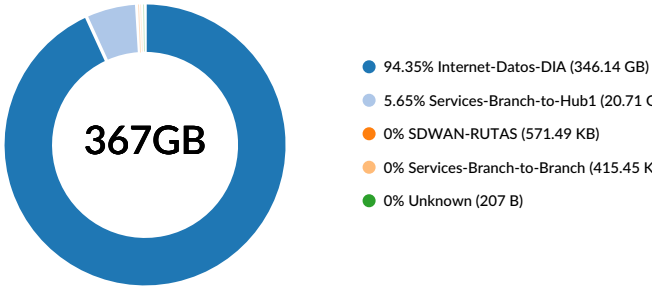
Device - BR-SERPRO11135-EBG-El_Bagre

Traffic Utilization by SD-WAN Rule



Device - BR-SERPRO47325-MDE-SantaElena

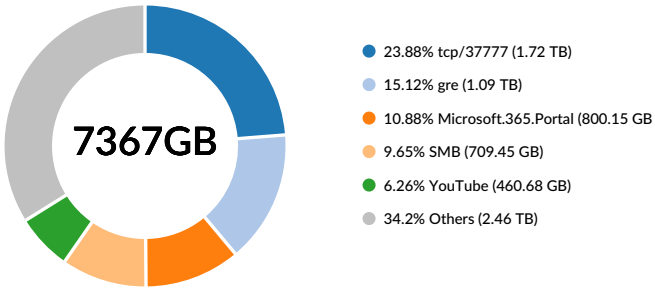
Traffic Utilization by SD-WAN Rule



Device - BR-SERPRO47319-VEG-Vegachi

SD-WAN Applications

Traffic Distribution Over Application

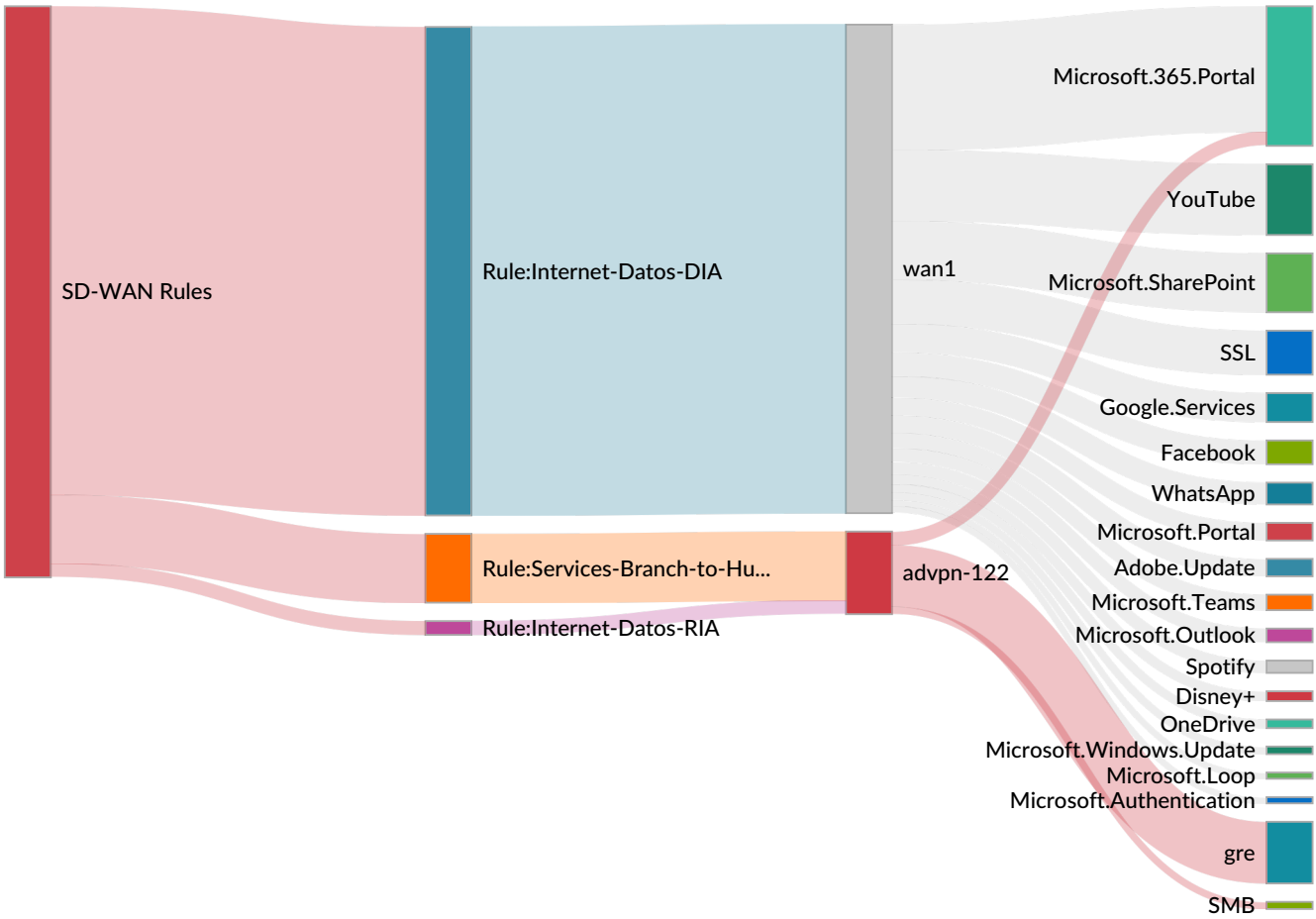


SD-WAN Top Applications by Traffic Volume and Session

#	Application	Sessions	Bytes
1	tcp/37777	193,957	1.72 TB
2	gre	269,365	1.09 TB
3	Microsoft.365.Portal	4,263,943	800.15 GB
4	SMB	1,100,076	709.45 GB
5	YouTube	332,197	460.68 GB
6	Microsoft.SharePoint	751,033	331.81 GB
7	SSL	4,177,211	276.32 GB
8	Google.Services	2,803,267	270.20 GB
9	Facebook	283,611	228.88 GB
10	Microsoft.Teams	1,783,735	107.77 GB

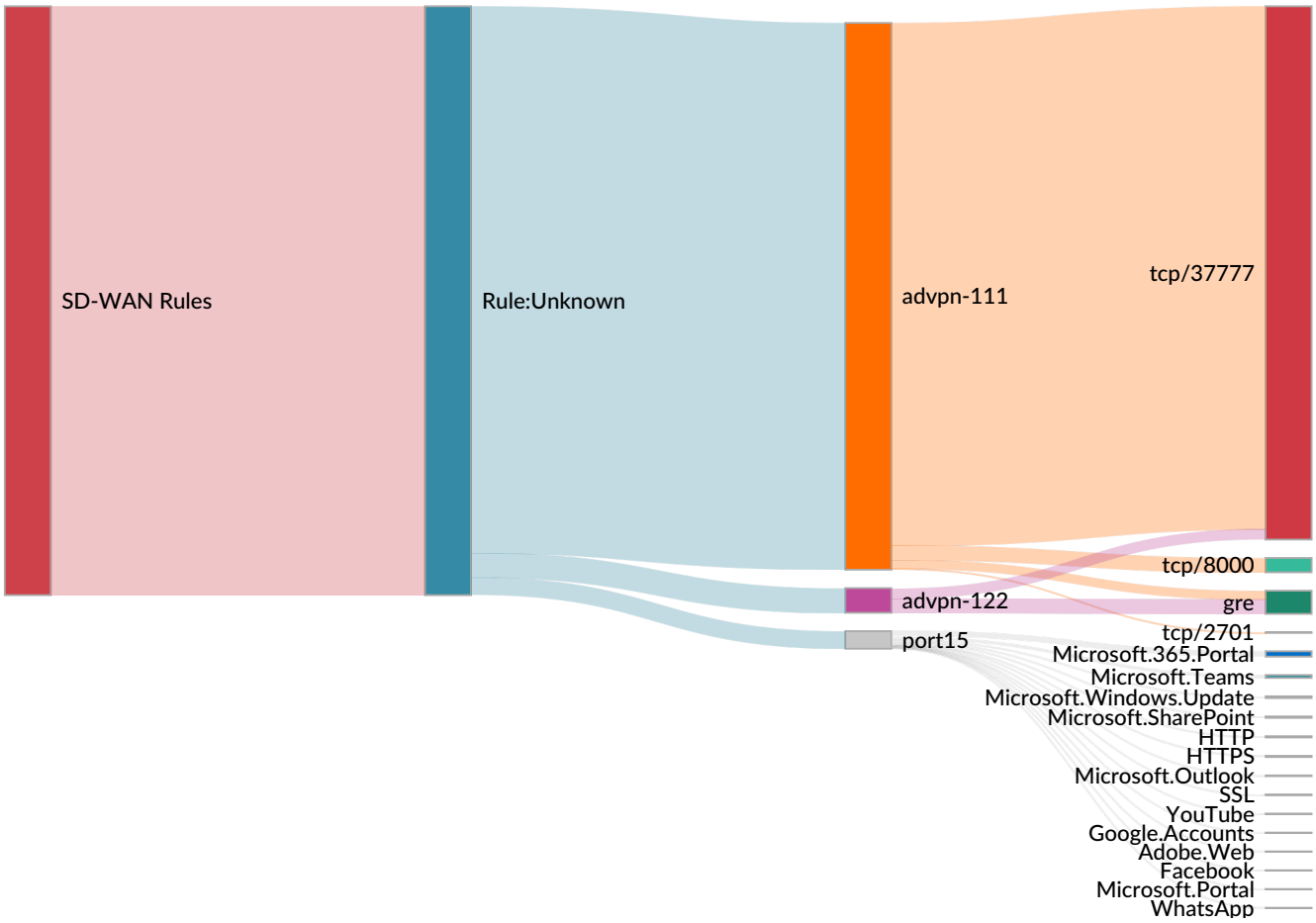
Device - BR-SERPRO47319-VEG-Vegachi

SD-WAN Device Traffic Distribution by Interface and Application



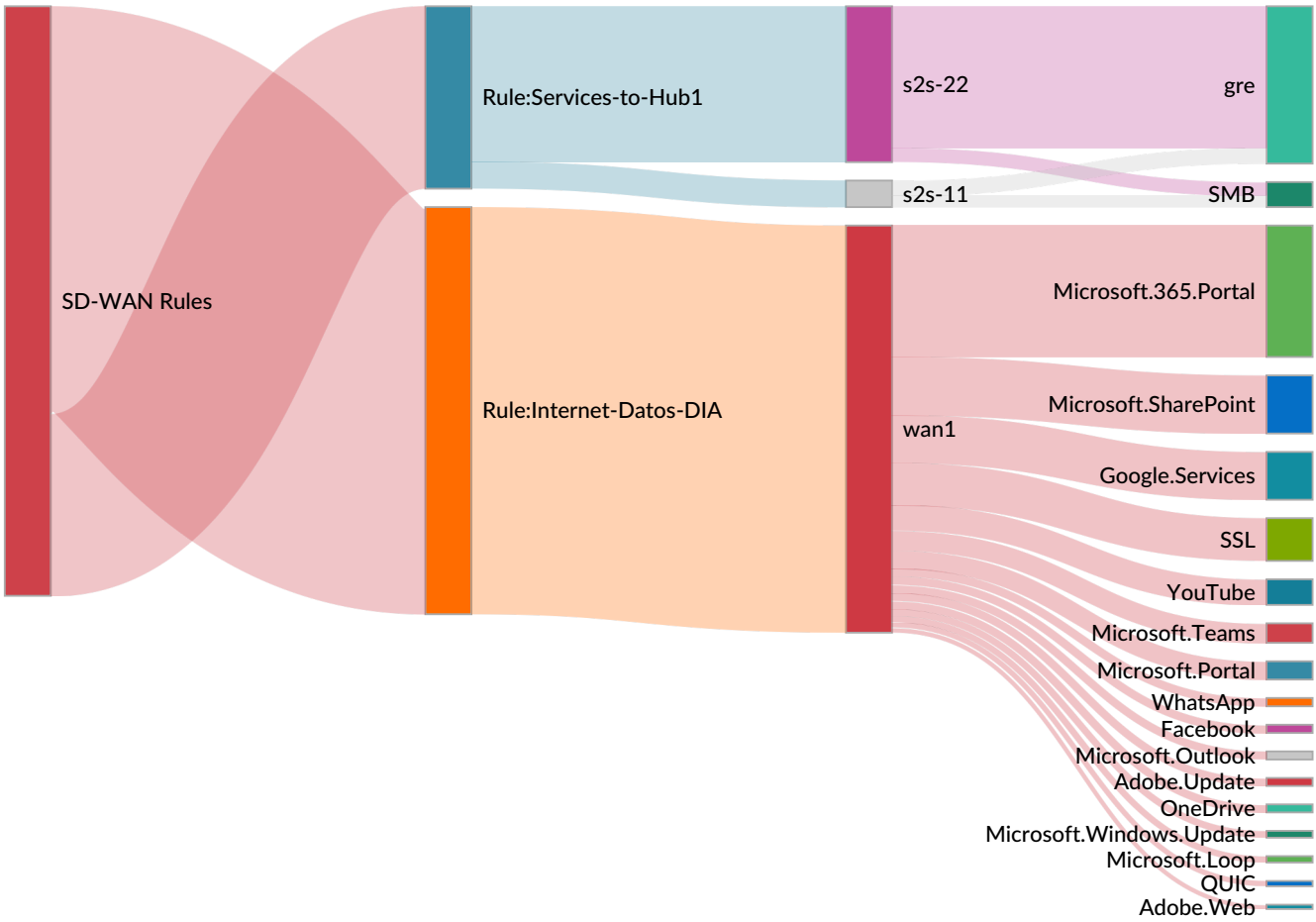
Device - H1-SERPRO47324-MDE-Centro

SD-WAN Device Traffic Distribution by Interface and Application



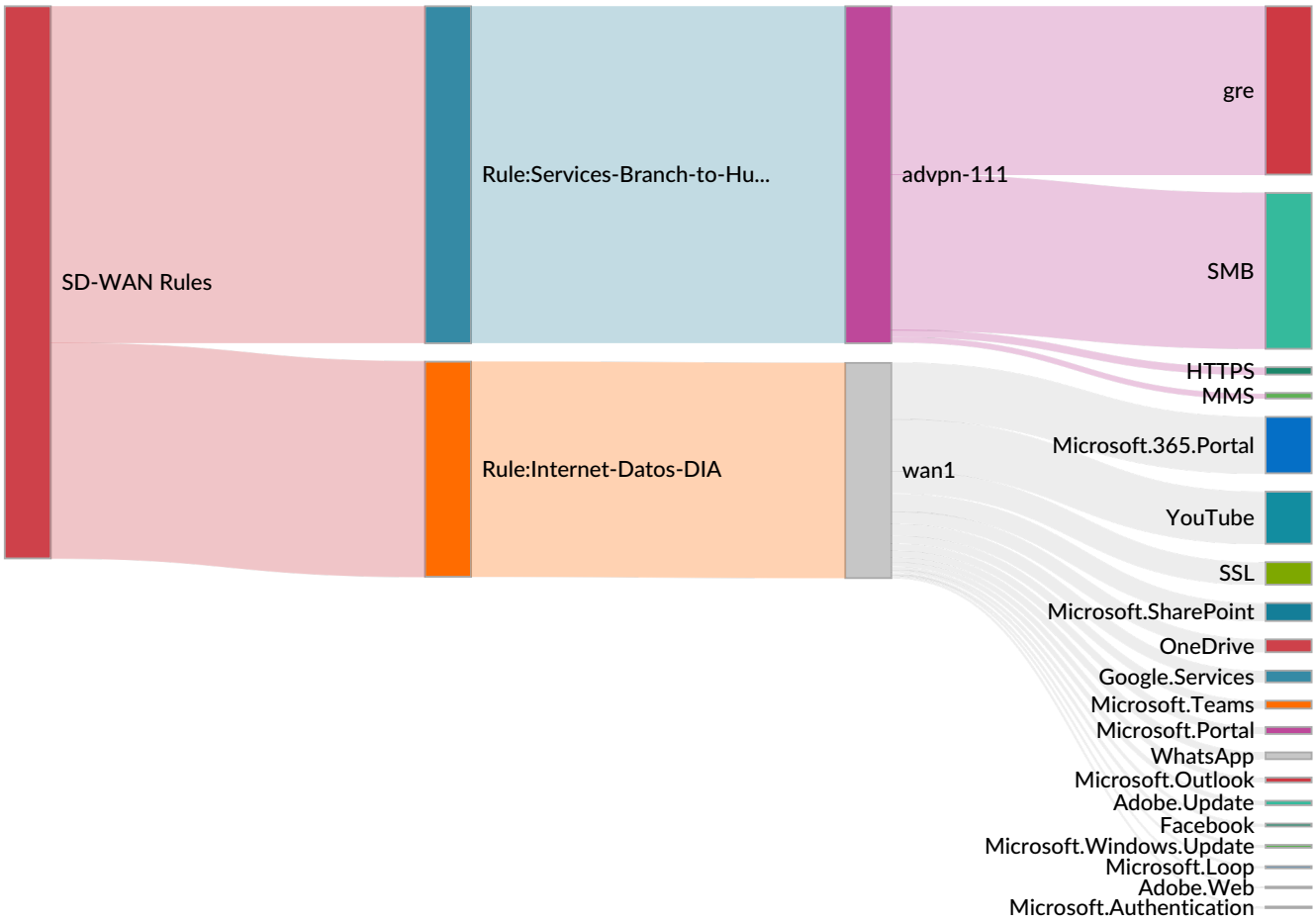
Device - H2-SERPRO11031-CAQ-Caucasia

SD-WAN Device Traffic Distribution by Interface and Application



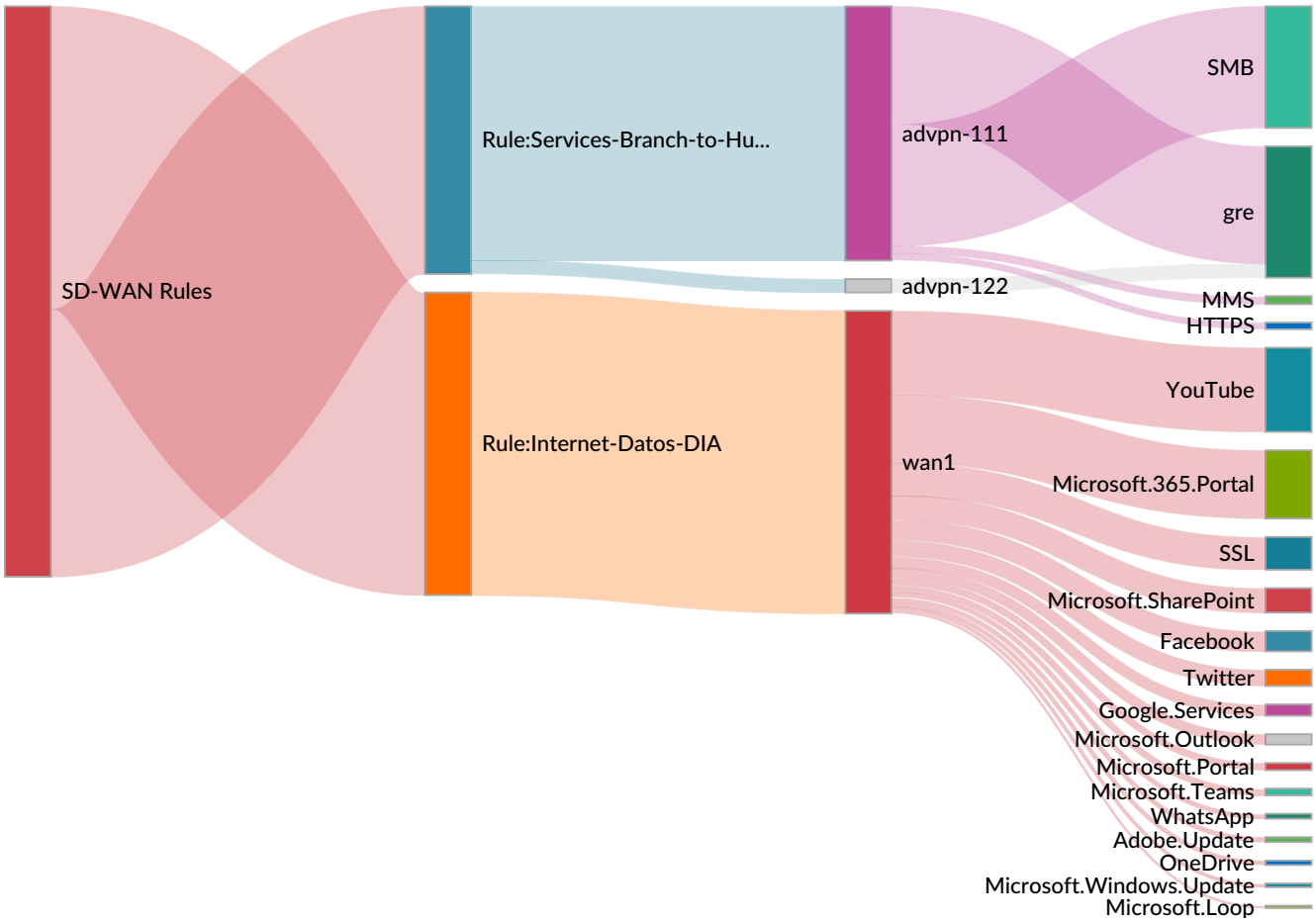
Device - BR-SERPRO11136-STF-SantaFe_Ant

SD-WAN Device Traffic Distribution by Interface and Application



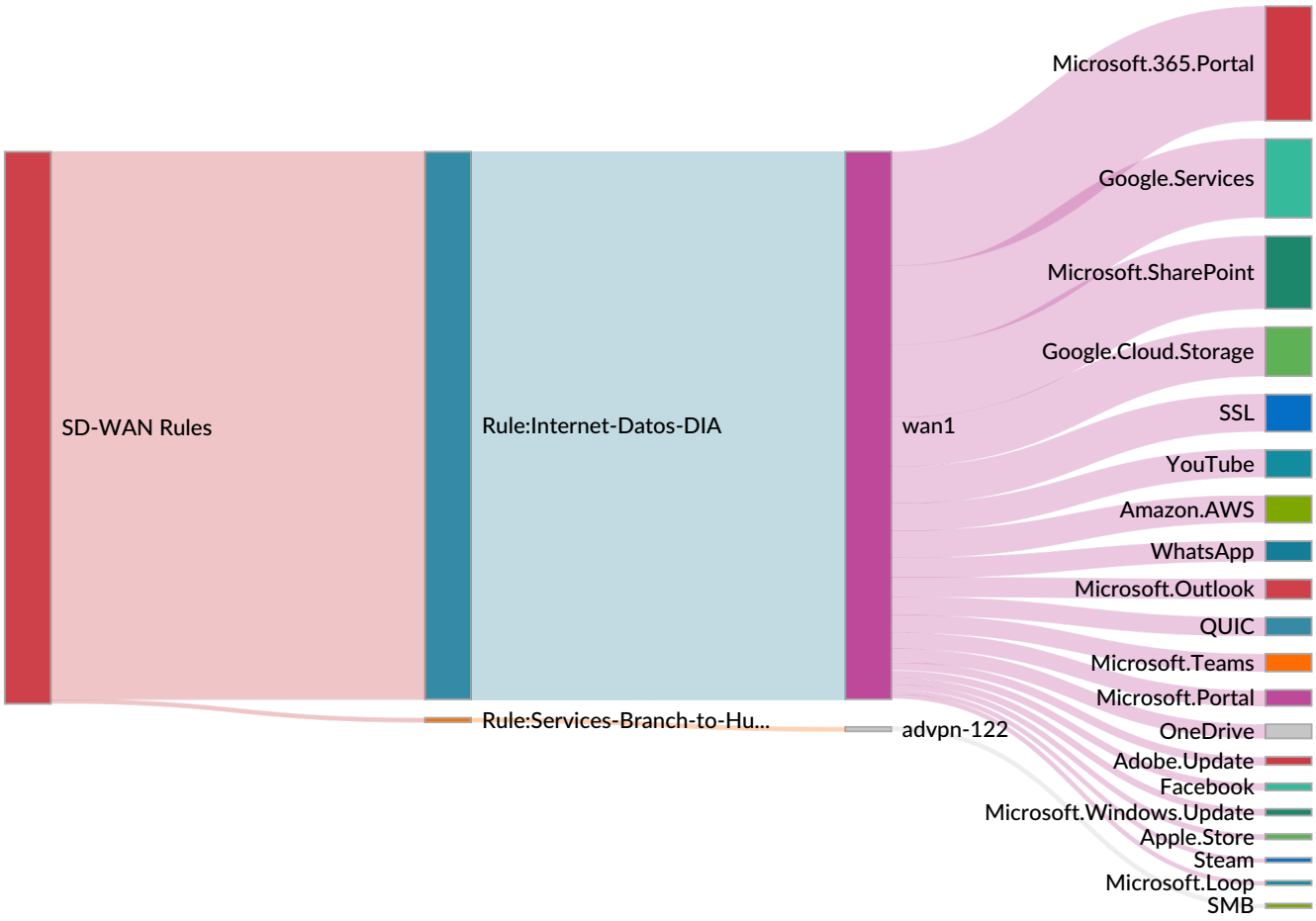
Device - BR-SERPRO11032-ADN-Andes

SD-WAN Device Traffic Distribution by Interface and Application



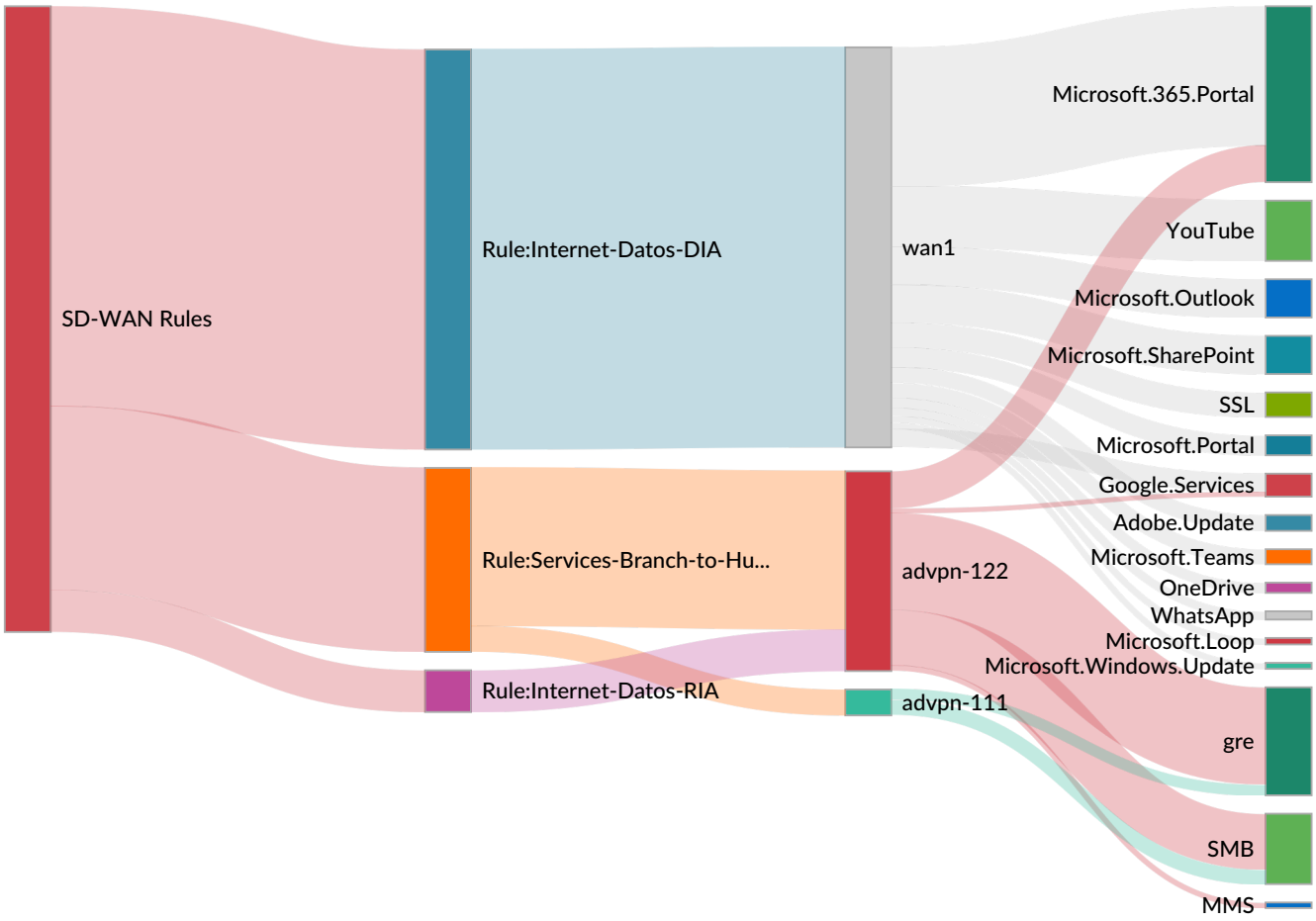
Device - BR-SERPRO11098-SAR-SantaRosa

SD-WAN Device Traffic Distribution by Interface and Application



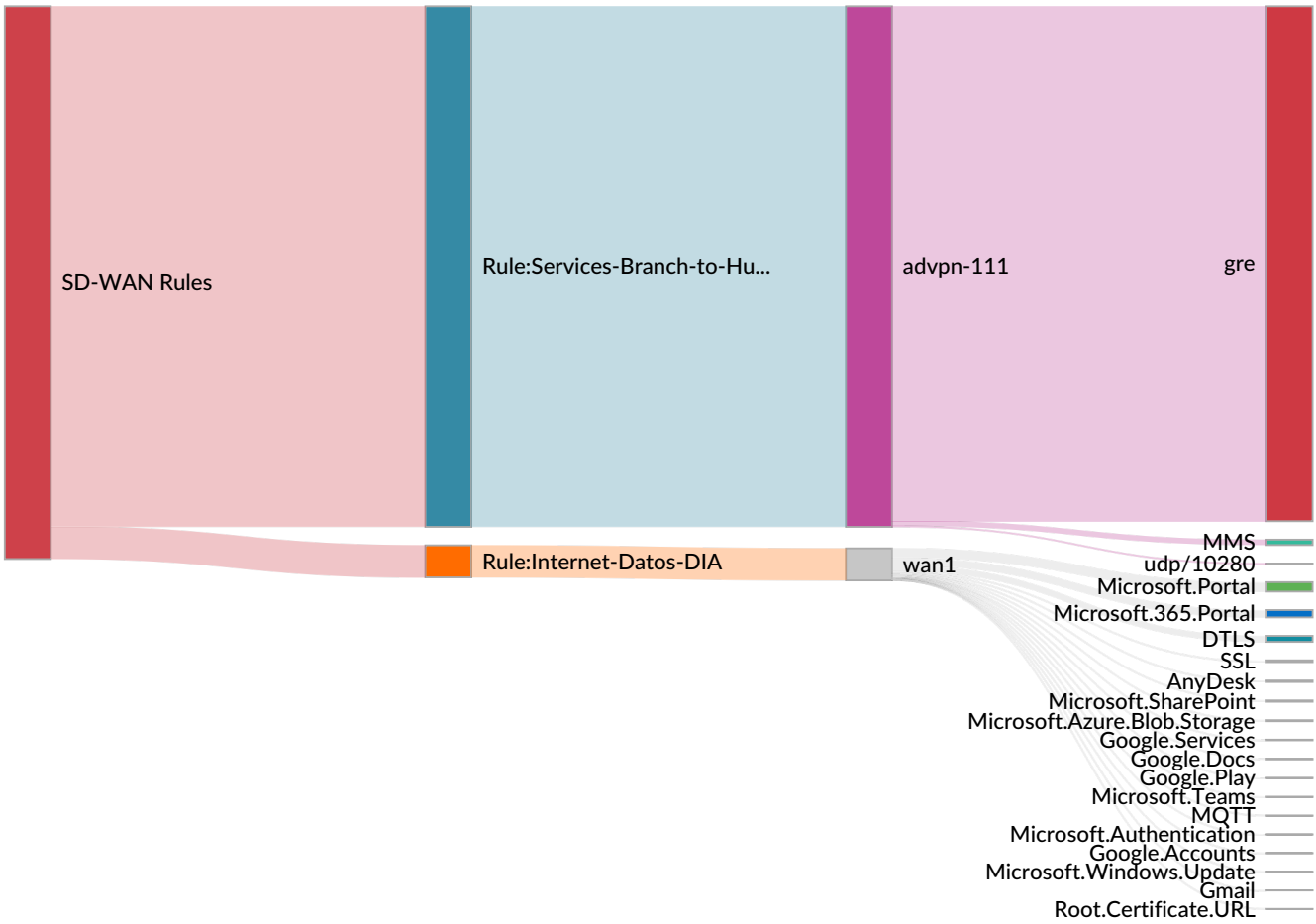
Device - BR-SERPRO10941-JER-Jerico

SD-WAN Device Traffic Distribution by Interface and Application



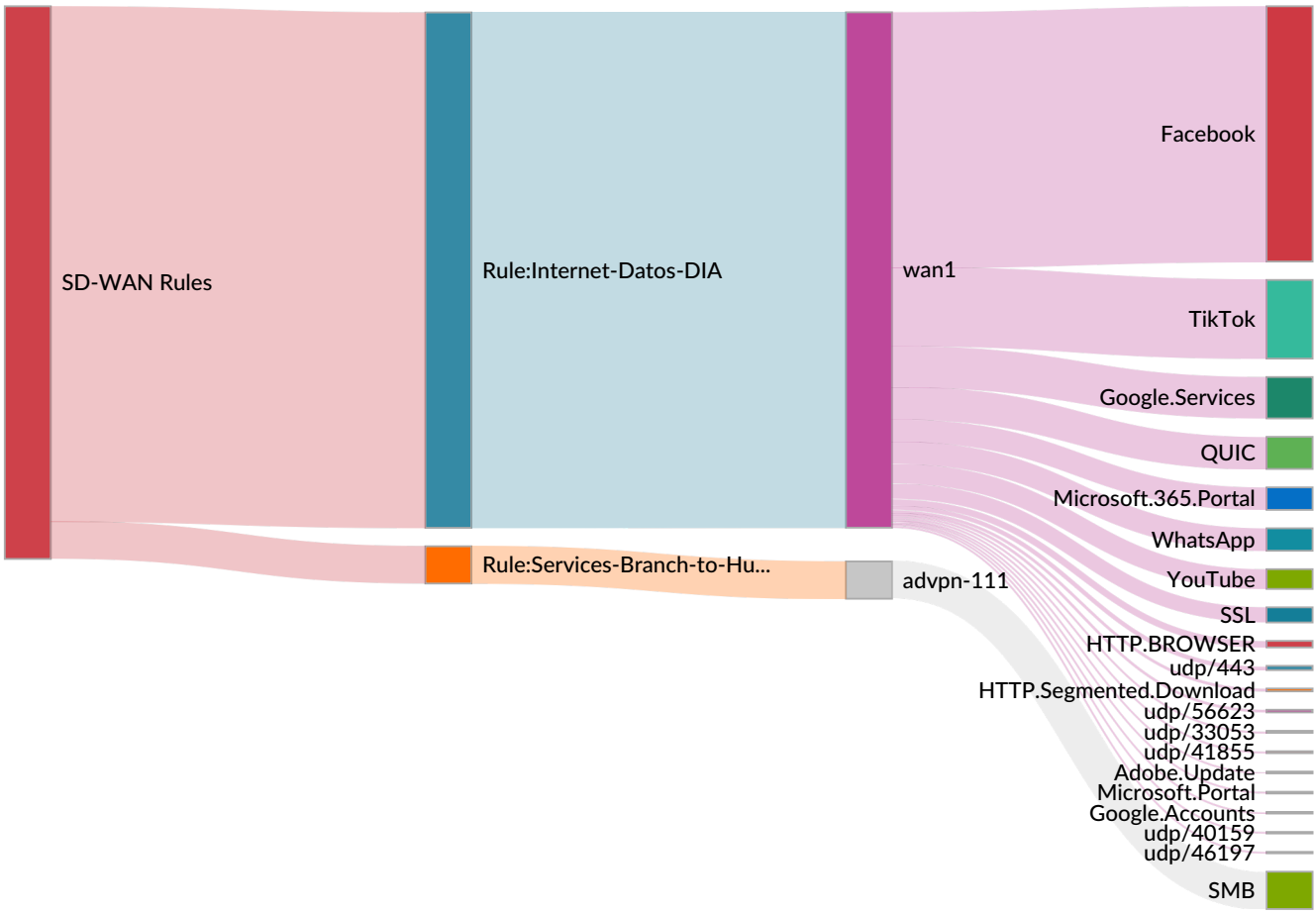
Device - BR-SERPRO11135-EBG-El_Bagre

SD-WAN Device Traffic Distribution by Interface and Application



Device - BR-SERPRO47325-MDE-SantaElena

SD-WAN Device Traffic Distribution by Interface and Application

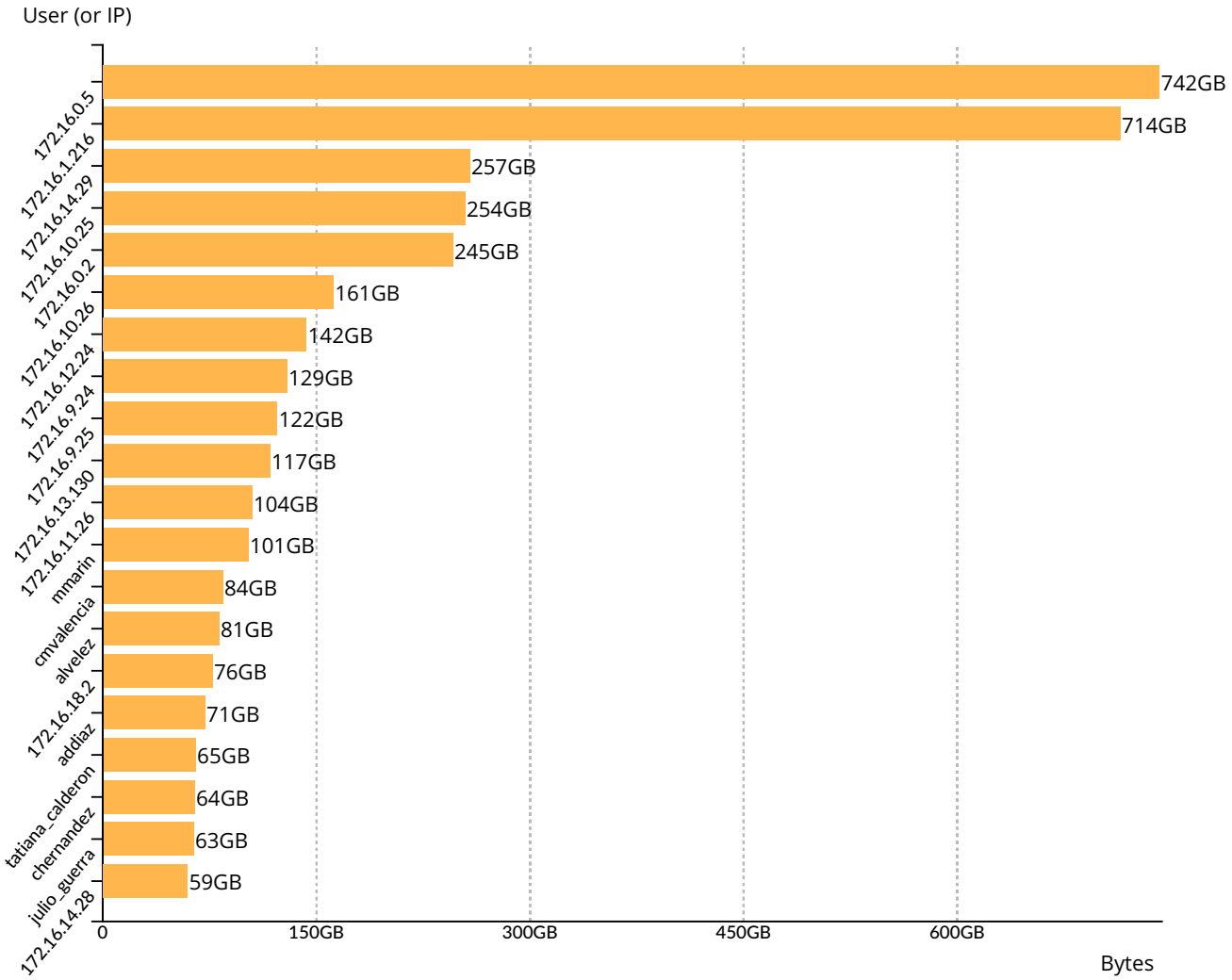


Device - BR-SERPRO47319-VEG-Vegachi

SD-WAN Users

By looking at source traffic, we can determine the originating source of any particular traffic. Certain botnets, command and control functions, and even remote access can be session heavy and indicative of targeted attacks or persistent threats. Following charts representative of source traffic activity that may need further investigation.

SD-WAN Top Source by Traffic Volume



SD-WAN Top Source by Application and Traffic Volume

#	User (or IP)	Application	Bytes	% of Subtotal
1	172.16.0.5	tcp/37777	741.58 GB	100.00%
		SNMP	34.29 KB	0.00%
		tcp/7680	2.53 KB	0.00%
		Others	**80 B**	**0.00%**
		Subtotal	**741.58 GB**	**10.08%**
2	172.16.1.216	tcp/37777	714.01 GB	100.00%
		udp/51826	80 B	0.00%
		Subtotal	**714.01 GB**	**9.71%**
3	172.16.14.29	Facebook	122.03 GB	47.47%
		TikTok	32.54 GB	12.66%
		Google.Services	12.33 GB	4.80%
		Others	**90.18 GB**	**35.08%**
		Subtotal	**257.08 GB**	**3.50%**
4	172.16.10.25	gre	252.80 GB	99.60%
		MMS	1.02 GB	0.40%
		DHCP	47.04 KB	0.00%
		Others	**27.04 KB**	**0.00%**
		Subtotal	**253.81 GB**	**3.45%**

#	User (or IP)	Application	Bytes	% of Subtotal
5	172.16.0.2	tcp/37777	245.14 GB	100.00%
		tcp/7680	4.82 KB	0.00%
		udp/50008	3.96 KB	0.00%
		Others	**7.93 KB**	**0.00%**
		Subtotal	**245.14 GB**	**3.33%**
6	172.16.10.26	gre	160.21 GB	99.32%
		MMS	1.09 GB	0.68%
		DHCP	52.10 KB	0.00%
		Others	**32.48 KB**	**0.00%**
		Subtotal	**161.30 GB**	**2.19%**
7	172.16.12.24	Google.Cloud.Storage	56.74 GB	39.84%
		Google.Services	36.89 GB	25.91%
		Amazon.AWS	34.16 GB	23.99%
		Others	**14.62 GB**	**10.26%**
		Subtotal	**142.41 GB**	**1.94%**
8	172.16.9.24	gre	127.33 GB	98.98%
		MMS	1.32 GB	1.02%
		udp/8209	24.29 KB	0.00%
		Others	**21.04 KB**	**0.00%**
		Subtotal	**128.65 GB**	**1.75%**
9	172.16.9.25	gre	120.61 GB	99.02%
		MMS	1.19 GB	0.98%
		udp/8209	21.00 KB	0.00%
		Others	**21.26 KB**	**0.00%**
		Subtotal	**121.80 GB**	**1.66%**
10	172.16.13.130	gre	115.52 GB	98.95%
		MMS	1.22 GB	1.05%
		DNS	102.83 KB	0.00%
		Others	**92.91 KB**	**0.00%**
		Subtotal	**116.75 GB**	**1.59%**
	Others		**4.37 TB**	**60.80%**
	Total		**7.18 TB**	**100.00%**

Appendix A

Devices (10)

BR-SERPRO10941-JER-Jerico
BR-SERPRO11032-ADN-Andes
BR-SERPRO11098-SAR-SantaRosa
BR-SERPRO11135-EBG-El_Bagre
BR-SERPRO11136-STF-SantaFe_Ant
BR-SERPRO47319-VEG-Vegachi
BR-SERPRO47325-MDE-SantaElena
FAZVMSTM25005880
H1-SERPRO47324-MDE-Centro
H2-SERPRO11031-CAQ-Caucasia