



TECHSUMMIT19

BARRACUDA TECHNICAL SUMMIT

CGF8 and beyond

Secure connectivity automation



A high-angle, dimly lit photograph of a man with glasses and a light blue button-down shirt, sitting at a dark wooden table and typing on a silver laptop. To his left is a white cup of coffee on a saucer. The background shows a body of water with gentle ripples, and the overall mood is quiet and focused.

Digital transformation is here –
Cloud is the new normal



With some important consequences

Perimeter has
disappeared

Applications are the
business

What shall one do?

Immanuel Kant (1781)
& Wieland Alge (2008)



Go Cloud Generation Firewall

Secured

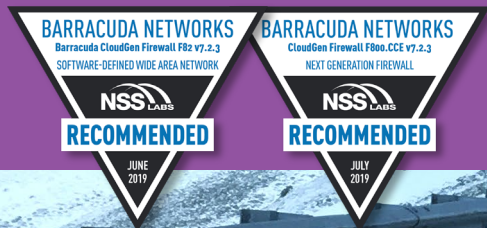
Connected

Automated

Offices, People, Things - Cloud, Services

Since we last met here ...

3rd Party Testing



Azure vWAN DIY WAN

Firewall Insights Reporting



Top SD-WAN performance



+43 508 100 800

Purchase

Log In ▾

English ▾

PRODUCTS

SOLUTIONS

SUPPORT

COMPANY



Barracuda achieves recommended
rating in 2019 NSS Labs SD-WAN
group test.

BARRACUDA NETWORKS

Barracuda CloudGen Firewall F82 v7.2.3

SOFTWARE-DEFINED WIDE AREA NETWORK



RECOMMENDED

JUNE
2019

Get the complimentary report off our website



Azure vWAN Integration



Firewall Insights



100+ predefined reports
Security, web, network,
SD-WAN performance

Min requirements

2 TB storage, 32 GB
RAM, 8 Cores
CGF firmware 7.2.4
or higher



10 of
years FW
SUCCESS

The FW logo consists of two blue, curved shapes that resemble stylized sails or wings, positioned between the words 'years' and 'FW'.

A photograph of Donald Trump sitting in a leather chair in the Oval Office. He is wearing a dark blue suit, a white shirt, and a red tie. He has a serious expression and is looking slightly to his right. The background features a large window with yellow curtains and a view of green trees outside. A small American flag pin is visible on his lapel.

Today

Greatest firewall ever, huge ..



Two days ago

CGF8

True 64bit

Kernel 4.14

New Config.



Massive impact

Ease-of-use

Performance

Value

CGF8



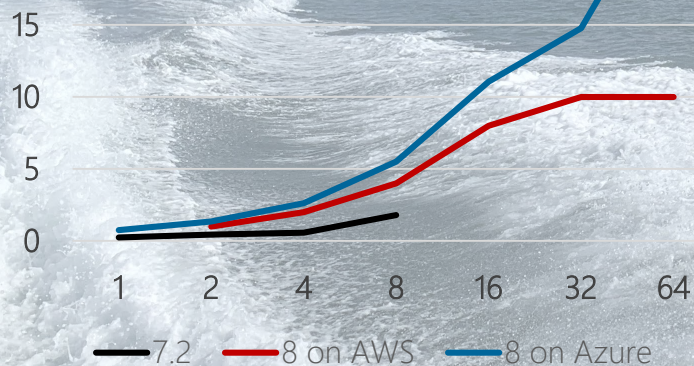


Explore CGF8

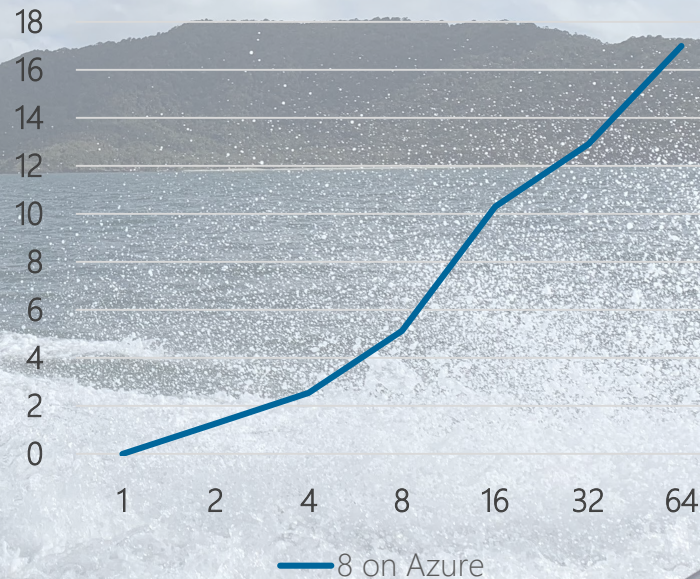


Better performance

FW Throughput
New network card drivers
Accelerated network support for Azure
VPN performance optimization



VPN Throughput





A new config tree ease of use



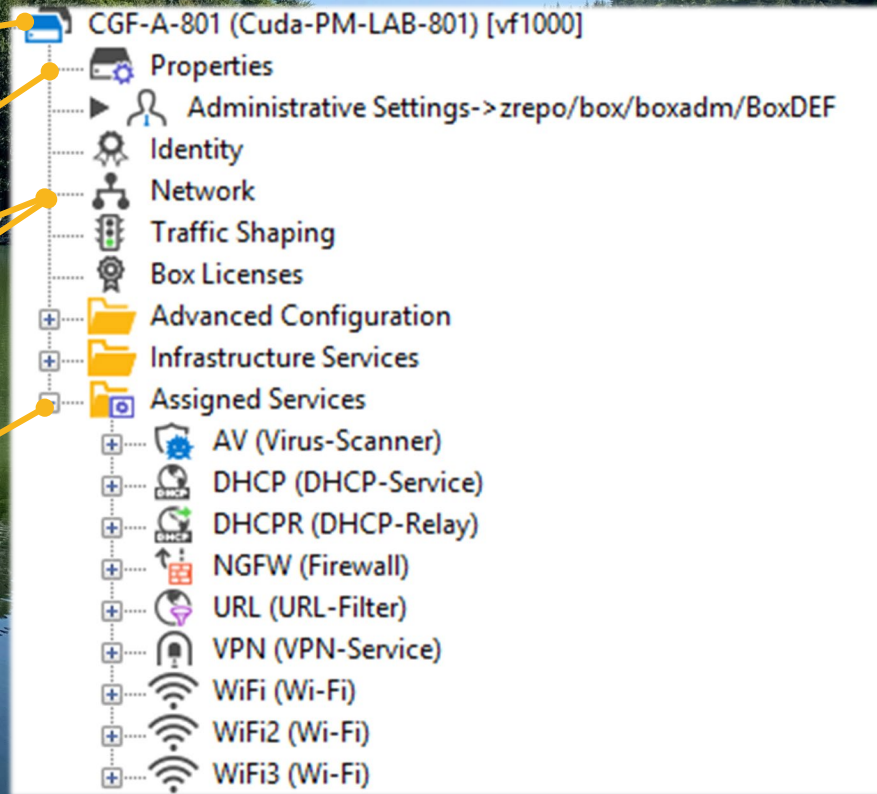
Clarity, simplicity, tranquility

HA as a box property

HA params

One-stop shop all IP

Virtual server invisible



10.17.112.80
Cuda-PM

10.17.112.85
CGF-A-801

10.17.112.87
CGF-A-801-HA

DASHBOARDCONFIGURATIONCONTROLFIREWALLVPNLOGSSTATISTICSEVENTSSSH

Services

Network

Resources

Licenses

Box

Sessions

Refresh if active

Refresh (F5)

Disconnect

High Availability Status: OK

Failover

Lock Failover

PRIMARY

Restart Shared Services

Restart Network

Restart Firmware

Restart Box

Active

Model

VF1000

Uptime

15d 05h 58m 30s

System Time

Thu Aug 29 15:53:40 2019

Management IP

10.17.112.85/24

2 Shared IPs

10.17.112.88/32, 127.0.0.9/32

Services

Network

Licenses

Admin

Hardware

SECONDARY

Restart Shared Services

Restart Network

Restart Firmware

Restart Box

Standby

Model

VF1000

Uptime

15d 05h 55m 39s

System Time

Thu Aug 29 15:54:09 2019

Management IP

10.17.112.87/24

Shared IP

Services

Network

Licenses

Admin

Hardware

INTERFACES on Primary HA Partner: CGF-A-801

eth0

SERVICES on Primary HA Partner: CGF-A-801

Box Services

INTERFACES on Secondary

eth0

SERVICES on Secondary


Box Services

10.17.75.138
QA-EU

CONTROL CONFIGURATION DATABASE ADMINS STATISTICS EVENTS NETWORK ACCESS CLIENT


Status Map Zero Touch Deployment SD-WAN Configuration Updates File Updates Sessions Barracuda Activation Pool Licenses Statistics Collection Remote Execution Scanner Versions Firmware Update Refresh (F5) Disconnect

FILTER < > X Scope: All Appliance: All Tunnel: All Time: Last 8 Hours



Terms of Use

SD-WAN STATUS



8 Ok

1 Fail

0 Warning

0 Disabled

SD-WAN SUMMARY

Order by Tunnel Available Bandwidth

FW2FW-Beijing54-Wien47 Downstream

825.2 Mbps (99.77% Up)

FW2FW-Beijing54-Wien47 Upstream

823.7 Mbps (99.77% Up)

Fallback1

326.1 Mbps ()

Bulk0

301.0 Mbps ()

Quality1

196.5 Mbps ()

FW2FW-Tokyo53-Beijing54 Downstream

549.7 Mbps (99.57% Up)

FW2FW-Tokyo53-Beijing54 Upstream

548.9 Mbps (99.57% Up)

FW2FW-LA52-NY51 Downstream

418.9 Mbps (99.05% Up)

FW2FW-LA52-NY51 Upstream

417.2 Mbps (99.05% Up)

FW2FW-ROM49-Berlin-IP48 Upstream

218.9 Mbps (99.97% Up)

FW2FW-IBK45-Wien47 Downstream

194.6 Mbps (99.94% Up)

FW2FW-IBK45-Wien47 Upstream

193.8 Mbps (99.94% Up)


FW2FW-ROM49-Berlin-IP48 Downstream

184.0 Mbps (99.97% Up)

STATE OVER TIME

Timesp... 23:18:20 07:18:20

FW2FW-Cloud



DATA TRANSFER

Application Transferred Data

Ubuntu Update

3.8 M

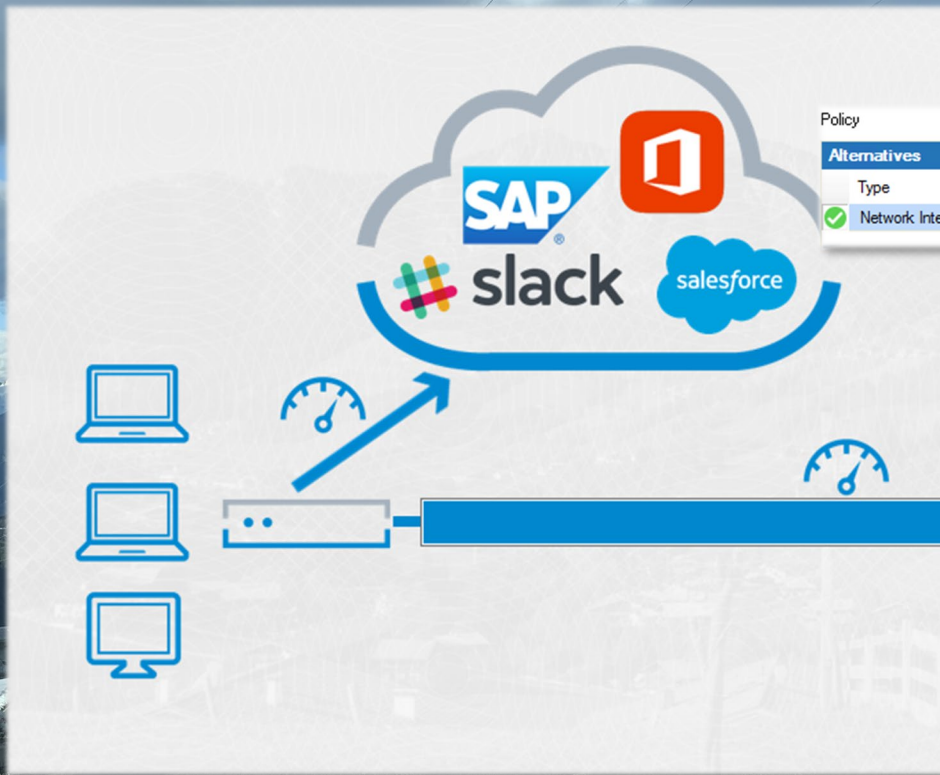
Connected to 10.17.75.138 (v 8.0.1-357)

SSL Secured (AES256-GCM-SHA384) Certificate: <NOT LOADED>

CC Time: 07:19 (Etc/UTC)

SD-WAN Value

SD-WAN & DIA path optimization

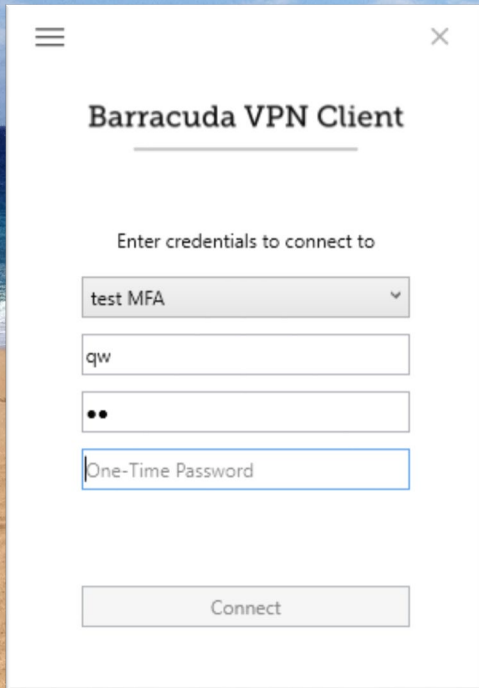


Policy	Provider Optimization
Alternatives	None
Type	Failover
	Weighted Round Robin
	Weighted Random
<input checked="" type="checkbox"/> Network Interface	Source IP Hash
	Provider Optimization



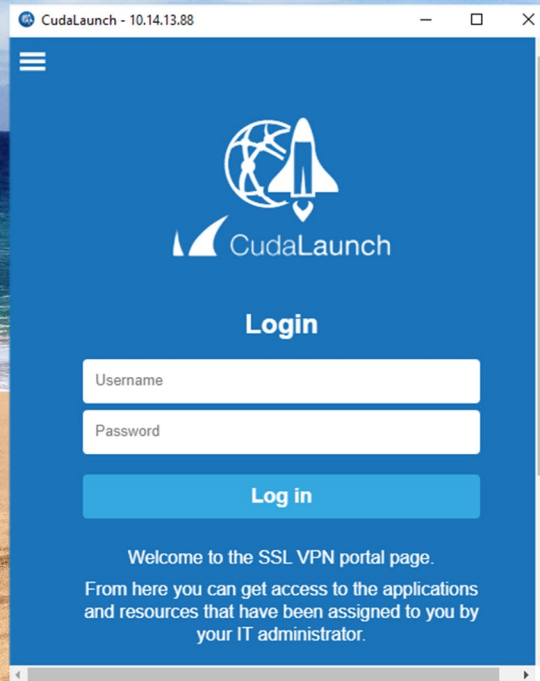
MFA & TOTPs (RFC 6238)

VPN Client



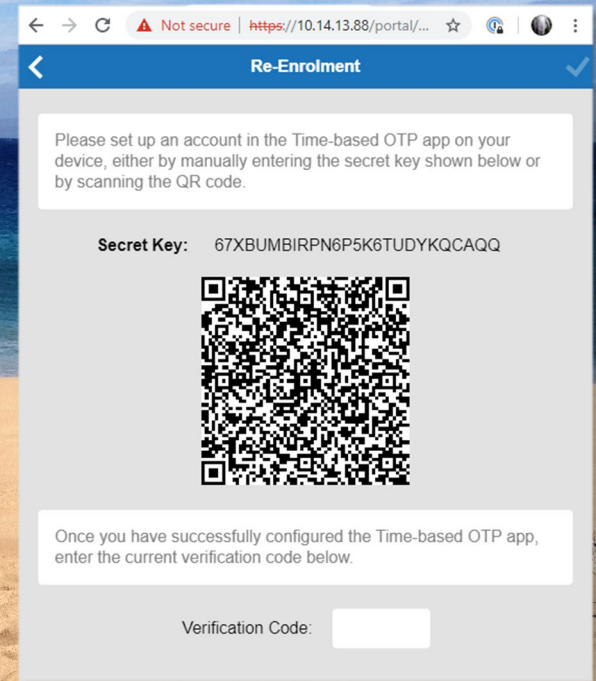
A screenshot of the Barracuda VPN Client application window. The title bar shows a hamburger menu icon and a close button. The main content area has the title "Barracuda VPN Client" and a subtitle "Enter credentials to connect to". Below this, there is a dropdown menu with "test MFA" selected, followed by three input fields: "qw", two dots, and "One-Time Password". At the bottom, there is a "Connect" button.

CudaLaunch



A screenshot of the CudaLaunch web portal. The browser address bar shows "CudaLaunch - 10.14.13.88". The page has a blue header with the CudaLaunch logo and a "Login" button. Below the header, there are input fields for "Username" and "Password", followed by a "Log in" button. At the bottom, there is a welcome message: "Welcome to the SSL VPN portal page. From here you can get access to the applications and resources that have been assigned to you by your IT administrator."

Bulk or self-enrolment



A screenshot of the "Re-Enrolment" page in a web browser. The address bar shows "https://10.14.13.88/portal/...". The page has a blue header with the title "Re-Enrolment". Below the header, there is a message: "Please set up an account in the Time-based OTP app on your device, either by manually entering the secret key shown below or by scanning the QR code." Below this, there is a "Secret Key:" label followed by the key "67XBUMBIRPN6P5K6TUDYKQCAQQ". Below the key is a QR code. At the bottom, there is a "Verification Code:" label followed by an input field.



The road beyond CGF8



Introducing Barracuda IoT Connect

Welcome to Barracuda IoT Connect Demo

IoT Connect allows customers to easily connect things to the cloud, through our FSC2 Secure Connector Appliances.

Cloud service hosted by Barracuda





Dashboard

Cloud Infrastructure Status



Managed SC Status



OK

SC Configuration Status

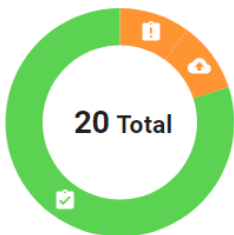


Warning

VPN Tunnel Status



Warning



2 Unconfigured
2 Deploying
16 Managed

VPN Tunnel Locations



● Access Controller ● SCs

Recent Administrative Events



OK

Recent Firewall Events



OK





CLOUD INFRASTRUCTURE

Cloud Infrastructure



NOTIFICATIONS



ACCESS CREDENTIALS

The agents deployed into your infrastructure to provide centralized secure connectivity.

Status	Device	Public IP	Version	Model	Serial						
✓	Control Center	13.95.11.117	8.0.1	VCC400	1181306						→
✓	Access Controller	52.95.154.72	8.0.1	VACC820	1182162						→

Automated

Leverages customer's own cloud subscription to stand up CC and SAC
Billing through our IoT connect – FSC2 ordered separately
Config deployment through zero-touch service

Hardware innovation



Launch
Q1 2020

Launch
Q4 2019

TINA in the skies

„Project Tesseract“



Imagine a product

Ease of use of vWAN

Power of TINA SD-WAN

Zero policy config

RSA[®]
Conference

RSA Conference USA 2020
World's leading cybersecurity conference
Date: 2/24/2020 - 2/28/2020
Venue: Moscone Center, San Francisco CA, United States





CGF8 and more – fit for the future
Check Out Firewall Insights
Check out IoT Connect
Enjoy the show



Thank you

 Barracuda®
TECHSUMMIT19
BARRACUDA TECHNICAL SUMMIT