



TECHSUMMIT19

BARRACUDA TECHNICAL SUMMIT

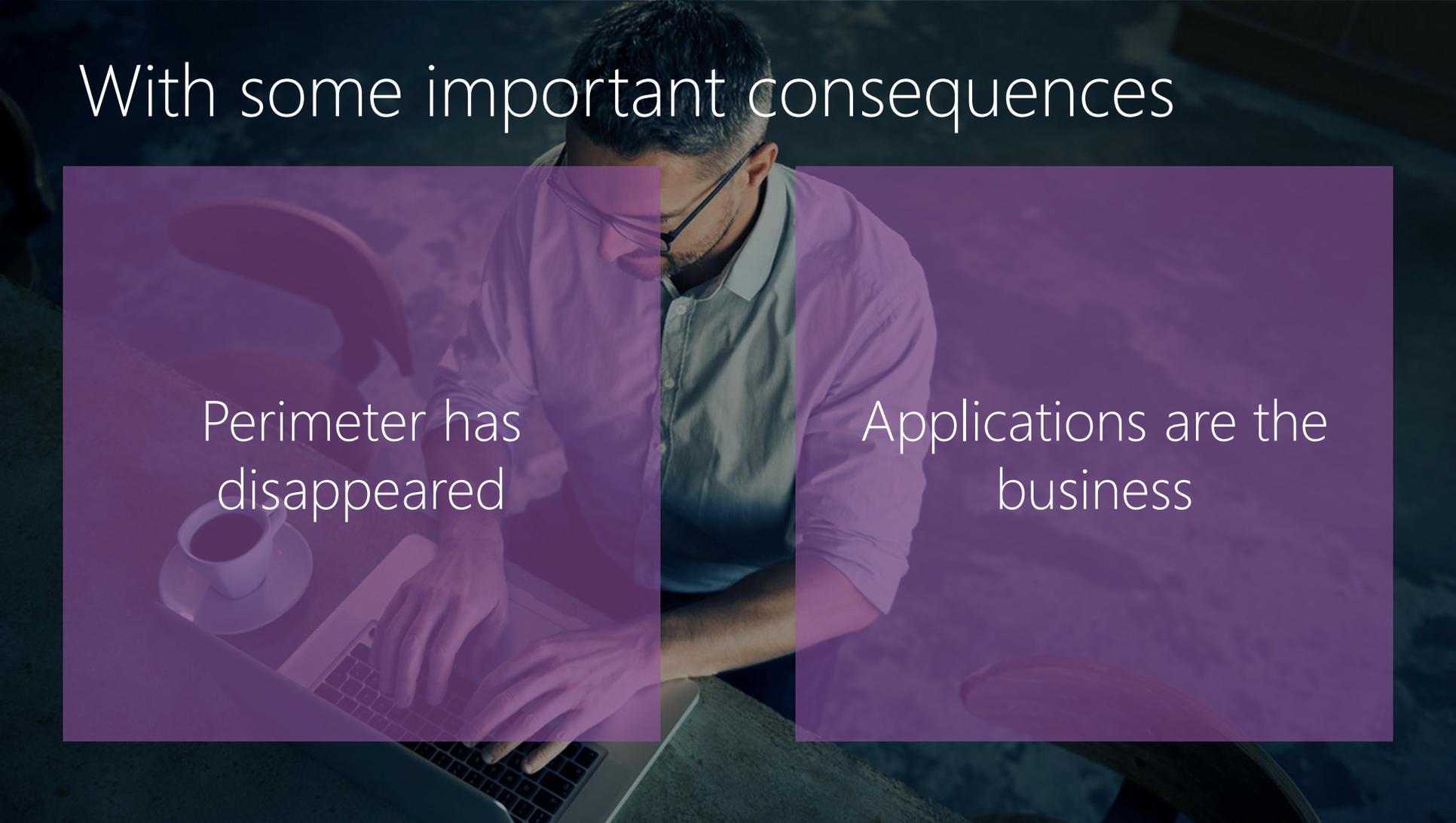
CGF8 and beyond

Secure connectivity automation



A high-angle, dimly lit photograph of a man with glasses and a light blue shirt working on a laptop. He is seated at a dark desk, and his hands are on the keyboard. To his left is a white coffee cup on a saucer. The background is dark and textured, possibly a wall or a large piece of fabric. The overall mood is professional 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



1-click setup

DIY global WAN

Monthly billing



Firewall Insights



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

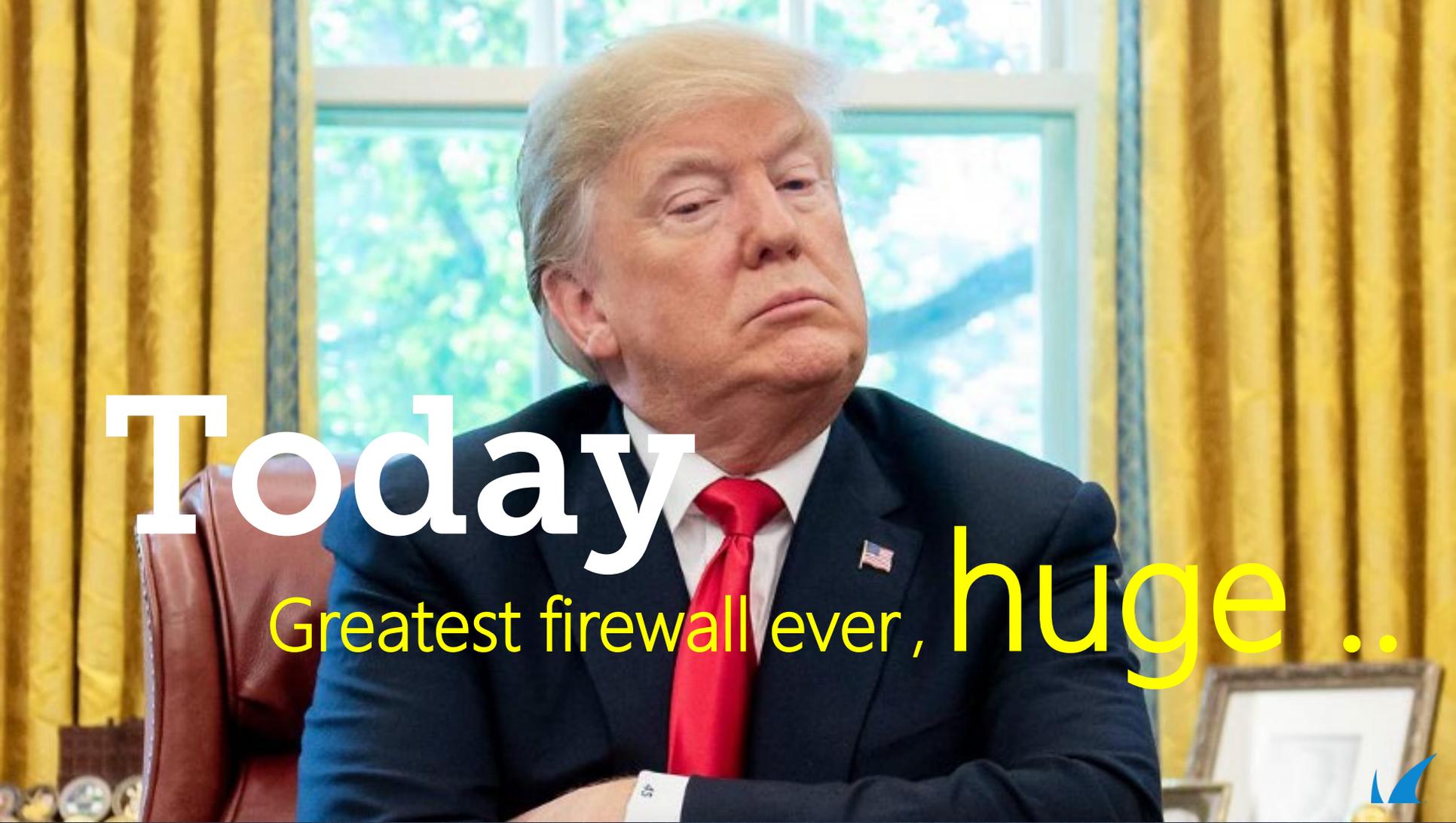
Min requirements

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



10 of
years FW
SUCCESS



A photograph of Donald Trump sitting in a brown 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 the right. The background features a window with yellow curtains and a view of green trees. An 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



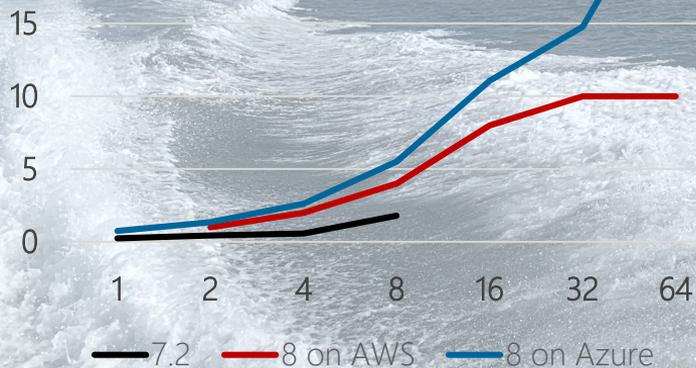
A close-up photograph of a black fly with iridescent wings feeding on a light purple flower. The text "Explore CGF8" is overlaid in the center.

Explore CGF8

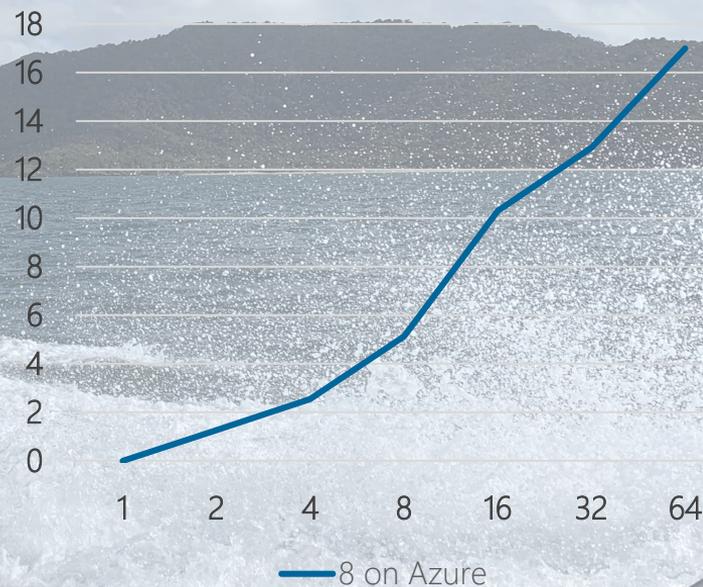


Better performance

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

- CGF-A-801 (Cuda-PM-LAB-801) [vf1000]
- Properties
- Administrative Settings-> zrepo/box/boxadm/BoxDEF
- Identity
- Network
- Traffic Shaping
- Box Licenses
- Advanced Configuration
- Infrastructure Services
- Assigned Services
 - AV (Virus-Scanner)
 - DHCP (DHCP-Service)
 - DHCPR (DHCP-Relay)
 - NGFW (Firewall)
 - URL (URL-Filter)
 - VPN (VPN-Service)
 - WiFi (Wi-Fi)
 - WiFi2 (Wi-Fi)
 - WiFi3 (Wi-Fi)

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

INTERFACES on Secondary

SERVICES on Primary HA Partner: CGF-A-801

Box Services

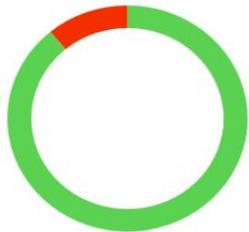
SERVICES on Secondary

Box Services



SD-WAN Value

SD-WAN STATUS



8 Ok
1 Fail
0 Warning
0 Disabled

STATE OVER TIME



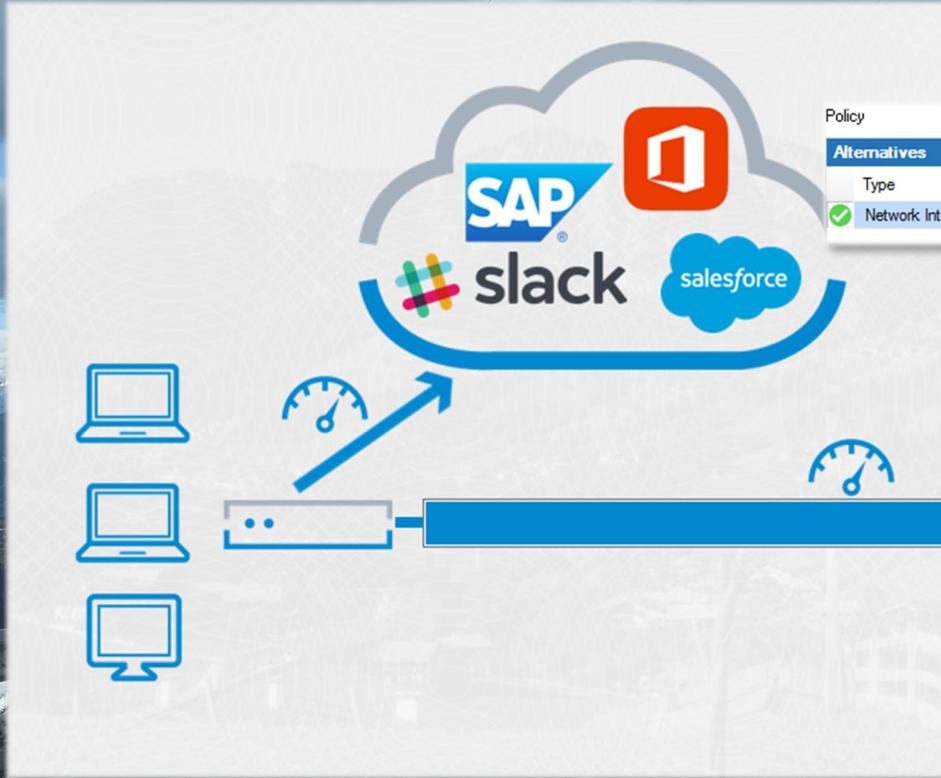
SD-WAN SUMMARY

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)

DATA TRANSFER



SD-WAN & DIA path optimization

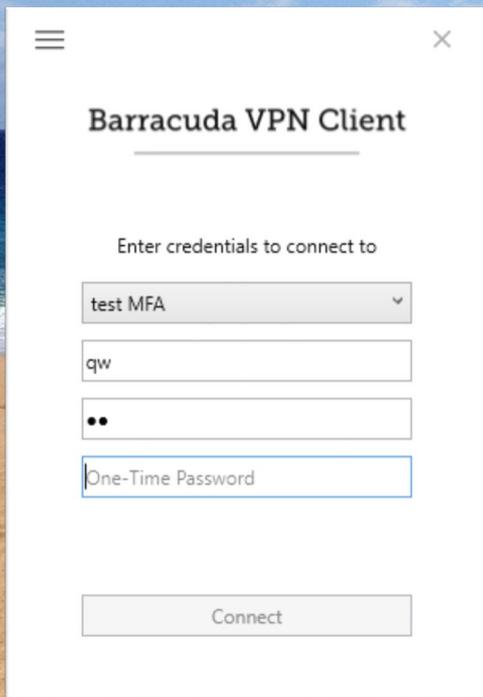


Policy	Provider Optimization
Alternatives	None
Type	Failover
	Weighted Round Robin
	Weighted Random
<input checked="" type="checkbox"/> Network Interface	Source IP Hash
	Provider Optimization



MFA & TOTPs (RFC 6238)

VPN Client



Barracuda VPN Client

Enter credentials to connect to

test MFA

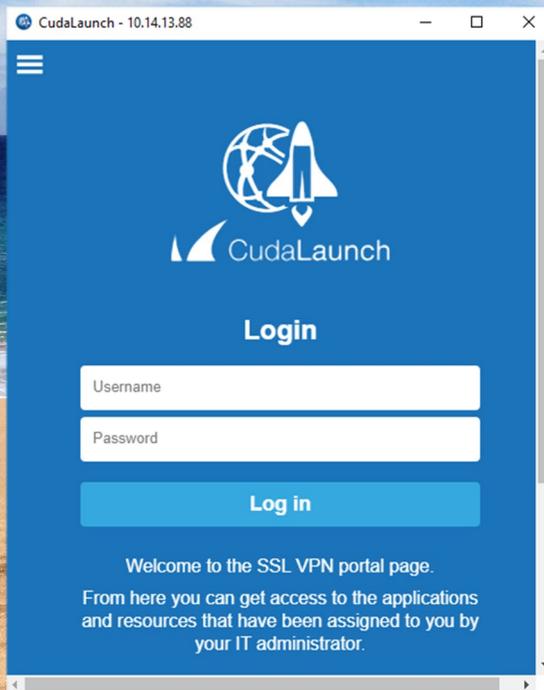
qw

••

One-Time Password

Connect

CudaLaunch



CudaLaunch - 10.14.13.88

CudaLaunch

Login

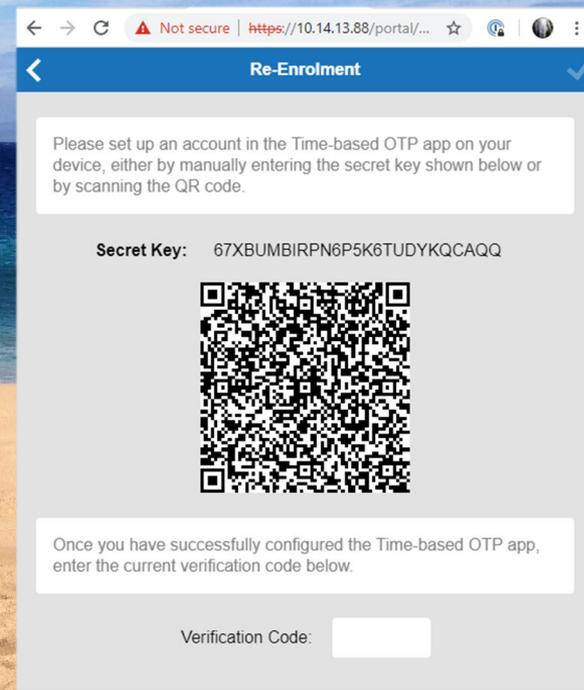
Username

Password

Log in

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



Re-Enrolment

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.

Secret Key: 67XBUMBIRPN6P5K6TUDYKQCAQQ



Once you have successfully configured the Time-based OTP app, enter the current verification code below.

Verification Code:



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