consoleconnect

Your Digital Transformation Journey in the Cyber Battlefield :

Consolidated Managed Security Services via Console Connect/PCCW Global's self-service Portal

14° infocom SECURITY Conference & Expo

KONSTANTINOS PANAGIOTOPOULOS

Security Solutions Consultant
Console Connect by PCCW Global

PCCW Global

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TAKE CONTROL | CUT COMPLEXITY | MAKE INTERCONNECTIONS EFFORTLESS

PCCW Global
Who are we?

PCCW Global

- Established the PCCW Global brand in 2005

HKT

- Best in class connections across the globe linking Asia, Europe, the Americas, the Middle East and Africa

- Acquired Gateway Communications, Crypteia Networks, Syntelligence and Voxclever, Console Connect's advanced software platform and proprietary technology

62
Offices Worldwide

35
Languages spoken

- Leading provider of global telecommunications, offering the latest voice and data solutions to multinational enterprises and communication service providers

- Headquartered in Hong Kong
- Founded in 1925

- 2022 Revenue: US$4.375 billion

- Separately listed on the Hong Kong Stock Exchange in 2011

- Employees: 14,900

- Leading provider of Telecommunication Services in Hong Kong

PCCW Global at a glance

Leading technology provider, offering the latest voice and data solutions to multi-national enterprises and communication service providers. Our truly global coverage combined with local, on the ground knowledge has helped us build best in class connections across the globe linking Asia-Pacific, Europe, the Americas, the Middle East and Africa.

Our wide portfolio offer cost effective, innovative solutions that meet the demands and challenges facing multinational businesses and government institutions all over the world.

We offer our enterprise and service provider customers the best in class performance based on our leading edge, next generation network design that delivers the highest level of reliability, efficiency, security, flexibility and quality.

Current Awards & Recognition

MEF Awards
- Best Services Ecosystem Automation Platform – 2023
- LSO Connectivity Exchange of the Year – 2023
- Best Wholesale Service Provider – Global 2019
- PoC Award: MEF 3.0 Service Automated Commerce Implementation 2019
- PoC Award: Service Assurance Implementation 2019

Telecom Asia Awards
- Most Innovative Customer Service Project 2019

Telecoms World Middle East Awards
- Most Innovative Customer Service Project 2019

Telecom Review Excellence Awards
- Most Global Innovative Product/Service (Operator) 2022
- Best Global Carrier 2020 & 2021
- Best Carrier Enterprise Service (Console Connect) 2021
- Executive of the Year 2021
- Most Innovative Product or Service – Operator 2020
- Best Carrier Enterprise Service 2020

World Communication Awards
- Best Network Transformation Initiative 2022
- The Platform Award (Console Connect) 2021
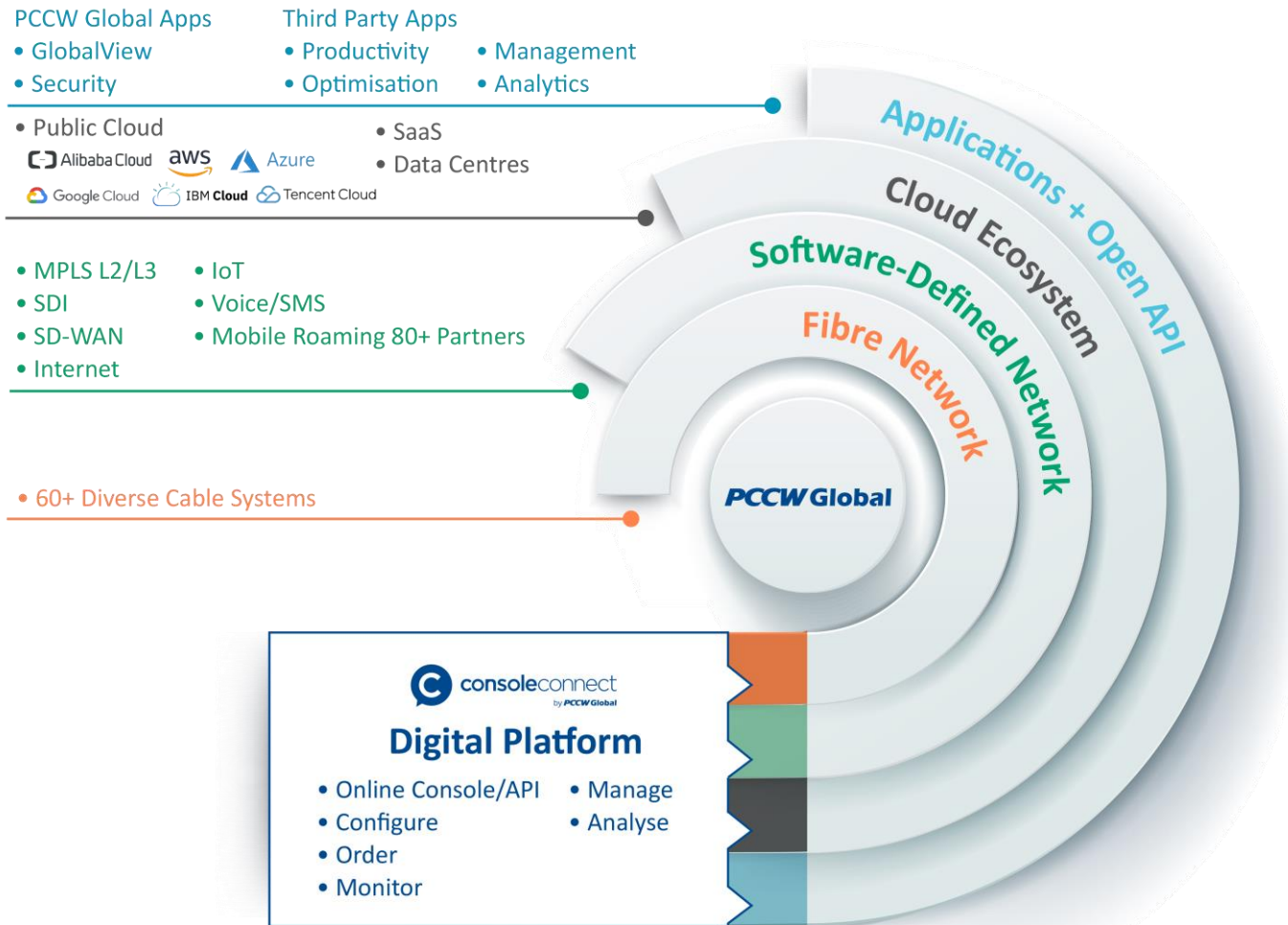- Smart Cities Award 2019

PCCWGlobal
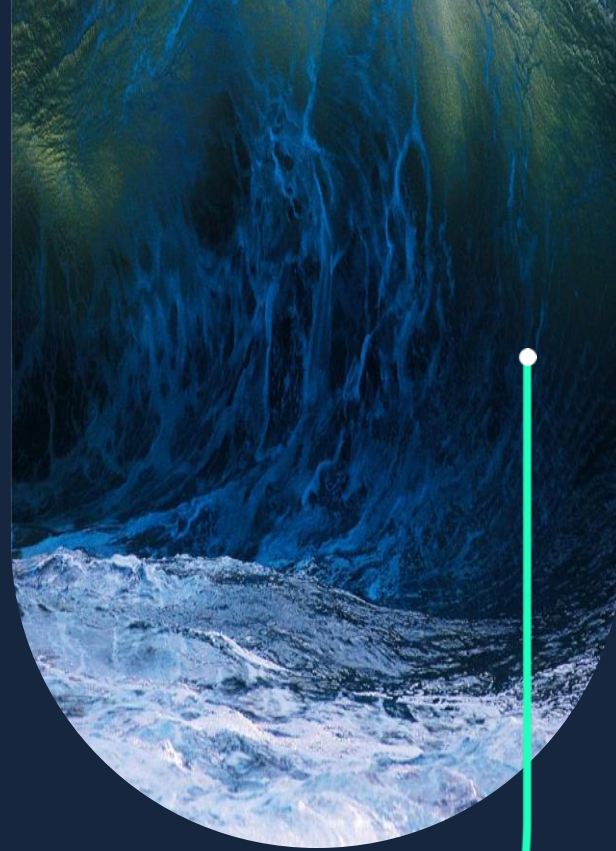
Our Portfolio of Innovative Solutions

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PCCW Global

Our Solutions

PCCW Global Apps
- GlobalView
- Security

Third Party Apps
- Productivity
- Optimisation
- Management
- Analytics

- Public Cloud
  - Alibaba Cloud
  - aws
  - Azure
  - Google Cloud
  - IBM Cloud
  - Tencent Cloud
- SaaS
- Data Centres

- MPLS L2/L3
- SDI
- SD-WAN
- Internet
- IoT
- Voice/SMS
- Mobile Roaming 80+ Partners

- 60+ Diverse Cable Systems

Applications + Open API

Cloud Ecosystem

Software-Defined Network

Fibre Network

PCCW Global

consoleconnect
by PCCW Global

Digital Platform
- Online Console/API
- Configure
- Order
- Monitor
- Manage
- Analyse

- Built on one of the most extensive global fibre networks

- Delivering a new level of agility and self-service control

- Manage networks in real-time

- Direct connection to major cloud providers including: AWS, Microsoft Azure, IBM Cloud, Google, Alibaba and Tencent

- Direct SDN integration via API

- Integrated digital communications including: network security, analytics and productivity applications

- Continually evolving ecosystem of users

Security Services

|			
Anti-DDoS Service Our 14 (coo-build) + 19 scrubbing centres – which are Distributed all around the world – ensure protection against DDoS attacks. > 15 Tbps mitigation capacity		**Cloud Security (for SASE & ZTNA)** Give your users a secure internet gateway, enabling safe access to critical applications wherever they are accessed.	
Managed NG Firewall Reduce time and complexity with Firewall management & security logs consumption using our Managed Firewall Service.		**Cloud WAAP Service** Our Managed Cloud Web Application Firewall (WAF) and Anti-BoT Service helps detect, monitor and blockmalicious http/https web requests.	
Cloud Endpoint Security (EDR) Endpoint detection and response (EDR),is an integrated endpoint security solution that combines real-time continuous monitoring and collection of endpoint data with rules-based automated response and analysis capabilities.		**Cloud Email Security** An advanced cloud-based solution designed to defend your business against email-borne attacks, and help minimise the risk of email compromise.	
SOC as a Service Complement your existing security measures and controls with our next-generation threat intelligence and machine-learning platform as well as Incident Response Team.		**Consulting Services** • Network and Security Assessment • Network (WAN & LAN) Redesign • Building a NG-SOC • Penetration Test	

PCCW Global
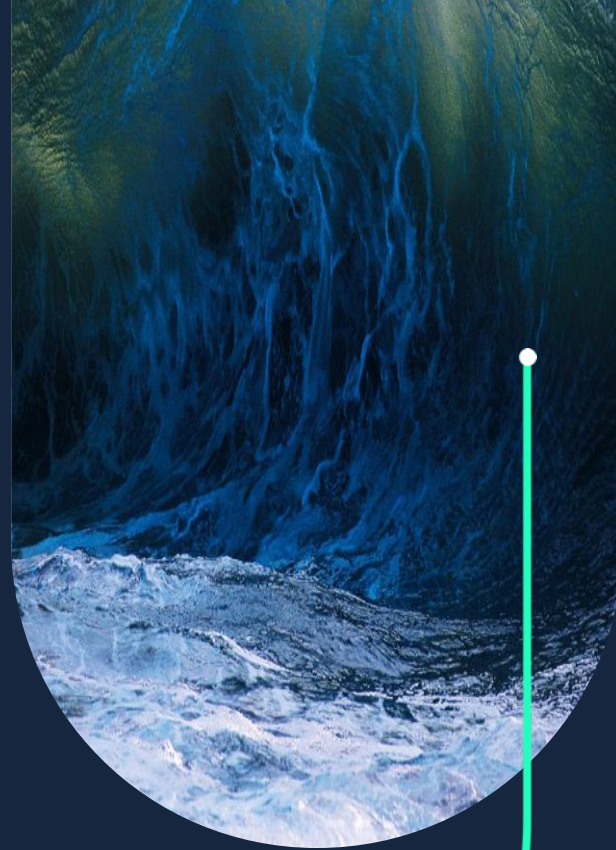
Consolidated Managed Security Services via Console Connect/PCCW Global's self-service Portal

Introduction to Console Connect

We connect you to:
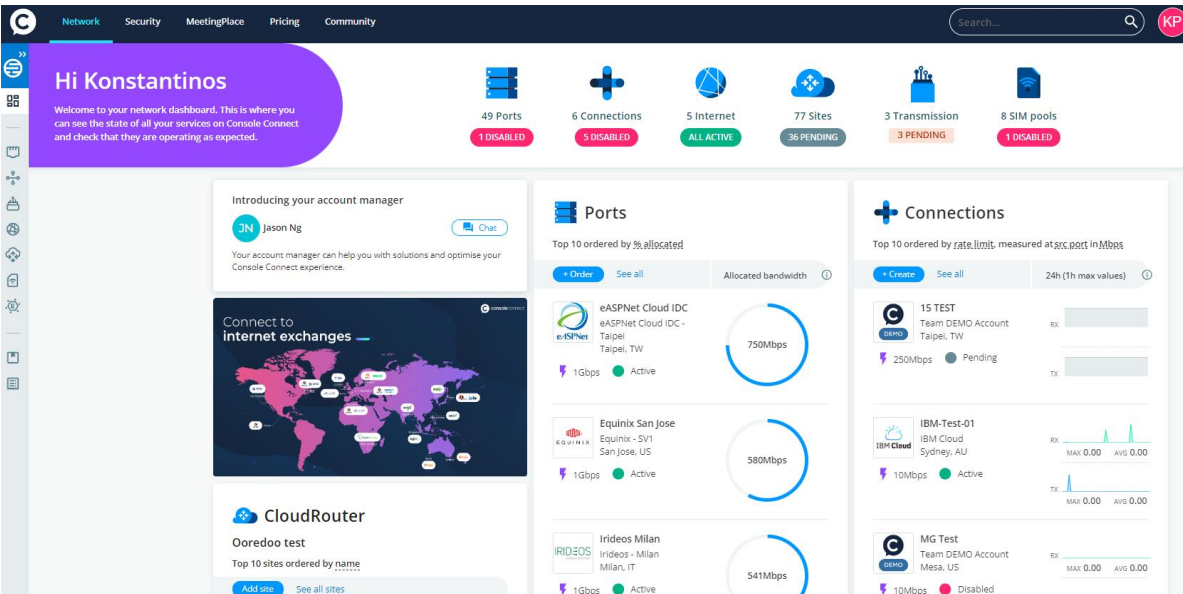
✓ **CLOUDS**: Enhance your cloud connectivity with direct connections to all of the world's leading cloud providers.

✓ **DATA CENTRES**: Extend your network reach to more than 900 data centres in over 60 countries.

✓ **BUSINESS PARTNERS**: Interconnect seamlessly with other business partners and services through MeetingPlace.

✓ **INTERNET EXCHANGES**: Experience high performance peering with some of the world's leading Internet Exchanges.

✓ **INTERNET OF THINGS**: Global IoT connectivity from edge to cloud, all managed and orchestrated by the Console Connect platform.

✓ **INTERNET ON-DEMAND**: Access our leading business internet service whenever / wherever you need it.

Console Connect platform hosts Security

Consolidated Portal for Security Customers

- **Asset Inventory** for security, including service, devices (physical/virtual), location, users & groups, support info

- **Monitoring / Reporting Dashboard** providing statistics & graphs at service, device, interfaces, path monitoring level

- **On-line ordering**

- **On-line pre-provisioning** (customer specific requirements gathering)

- **On-line** Customer **Change Requests**
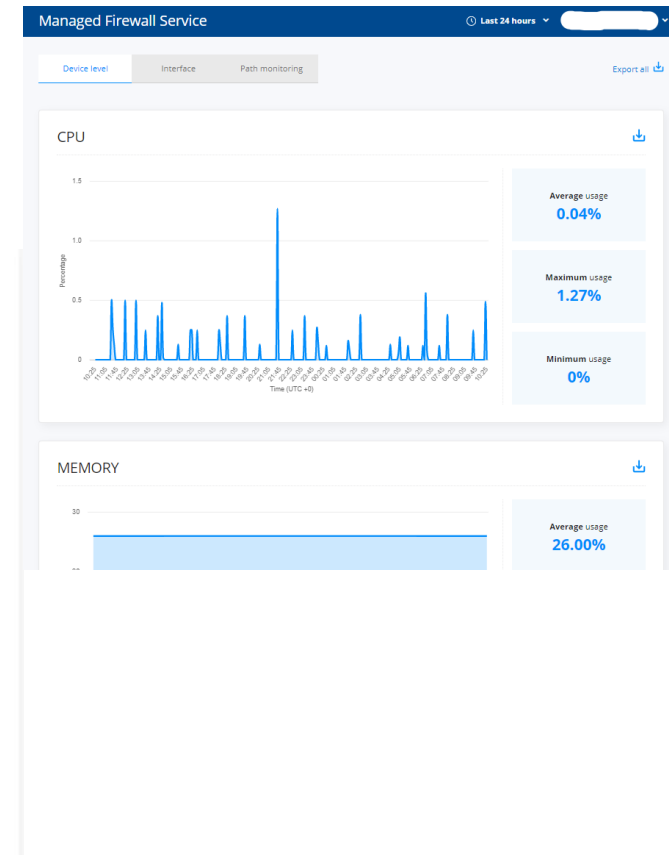
PCCW Global
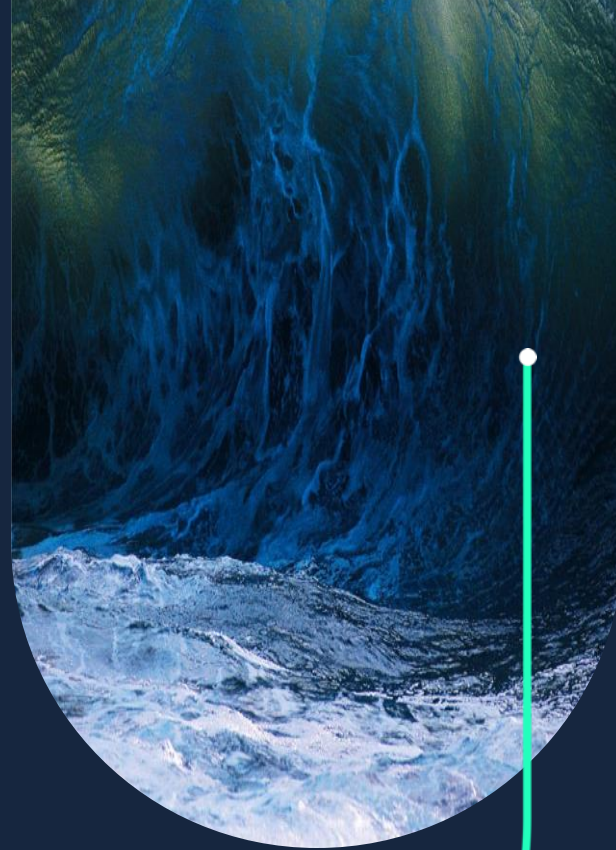
Consolidated Managed Security Services via Console Connect/PCCW Global's self-service Portal

USE CASE: Anti-DDoS Service

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DDoS Attack

- DDoS Attack : Fake traffic , generated by hackers, from distributed sources suddenly go to the DDoS Target.
- Target server / network :   its computing resource is overload or network bandwidth is congested.
- Impact : The true end-users / eyeball cannot access the targeted servers.
- Solution: Scrubbing Centers absorb the customer's traffic and filter out the DDoS traffic.

Without Cloud Mitigation

With Cloud Mitigation
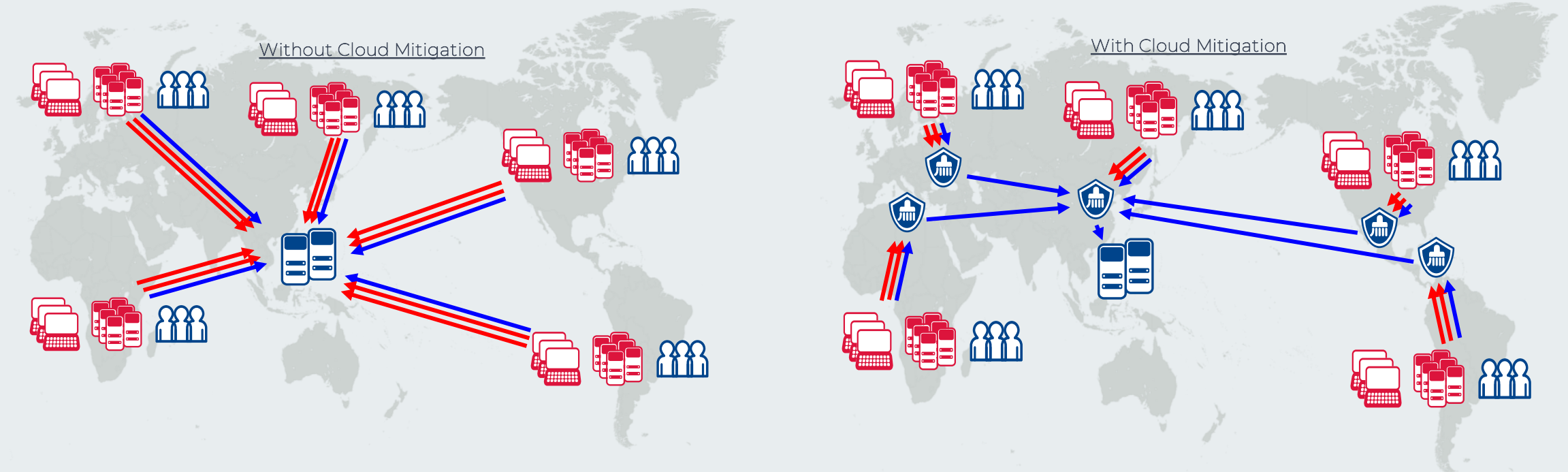
Modes of Operation

PCCW Global's Anti-DDoS service comes with three operation modes:

1. On Demand
   - Cloud Mitigation only
   - DDoS detection is carried by Customer
   - Customer triggers traffic redirection to Scrubbing Centers for mitigation only when under attack
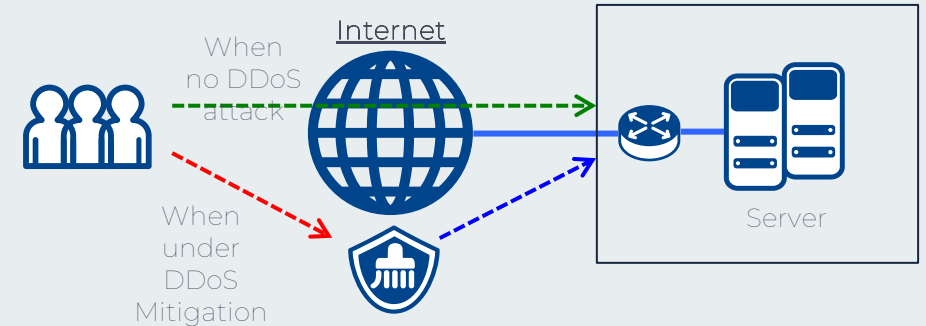
2. Always On
   - Cloud Mitigation only
   - Traffic is routed to Scrubbing Centers for inspection at all time
   - Any detected DDoS traffic will be mitigated
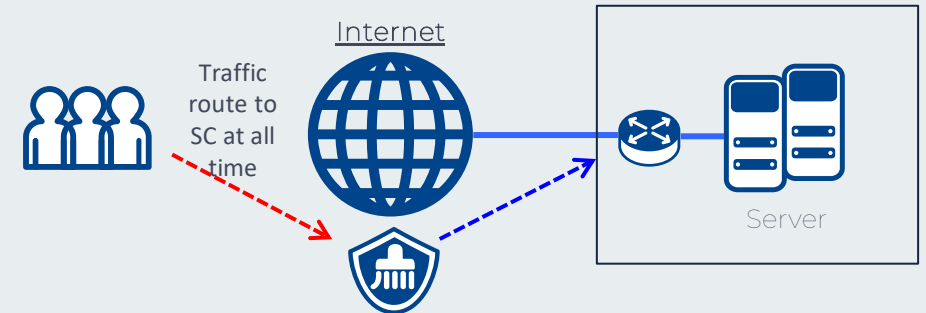
3. Hybrid
   - Cloud Mitigation + Inline IDMS
   - DDoS detection and small volume attack mitigation are carried by IDMS installed at customer's premises
   - For volumetric attack, IDMS will trigger traffic redirection to Scrubbing Centers for mitigation
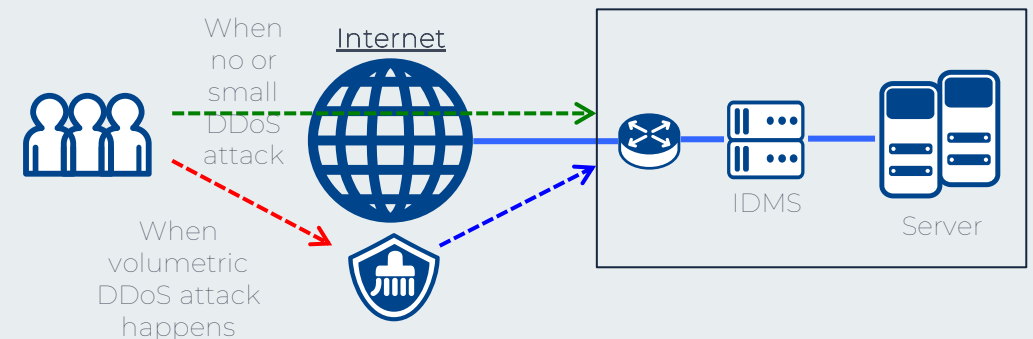
Self-Service

User Journey

Order	Collecting Food	Eat	KR : Full
- menu / price - payment	Provide the ordered food	Provide the seating space (if eat-in)	

As a food Service Provider (McDonald), to provide food and space

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Order	Collecting ADD IP Address	Self-Provision	KR : A web Site is Protected
1. Ordering Module - Quotation - Order submission	2. Provision Module - Configure a web site under DDoS Protection - "Collect" the ADD IP address for the protected website		3. Management Module - Reporting
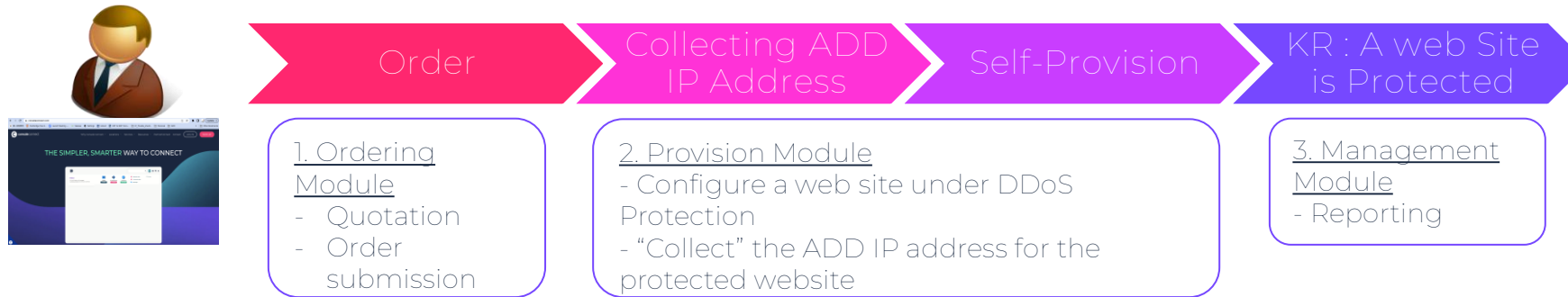
As an ADD Service Provider (Console Connect), to provide an ADD IP address and infrastructure (Scrubbing Center)

Ordering via McDonald App
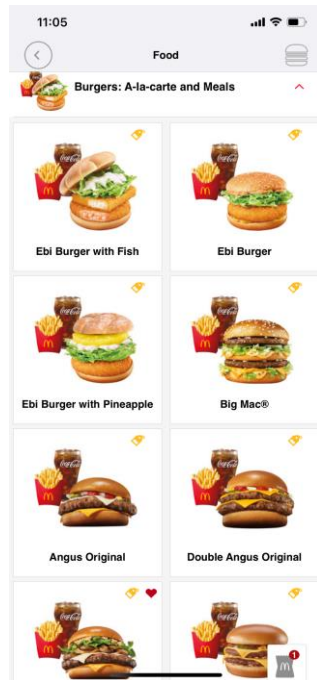
Menu
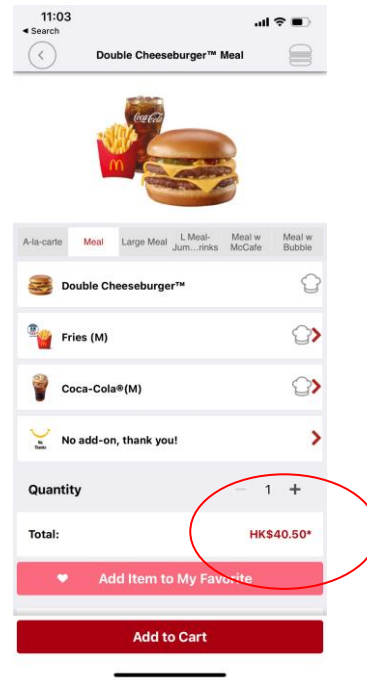
Quotation
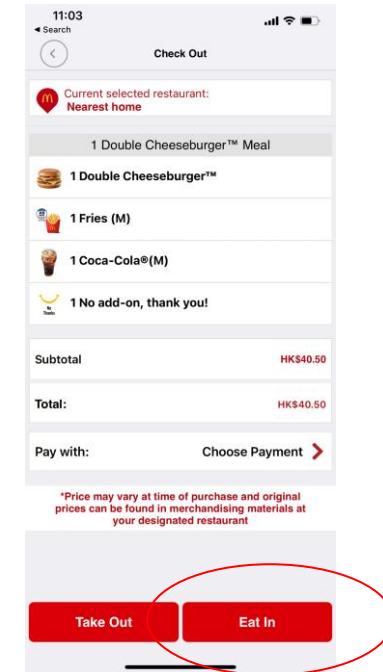
Place Order

Ordering Anti-DDoS via Console Connect
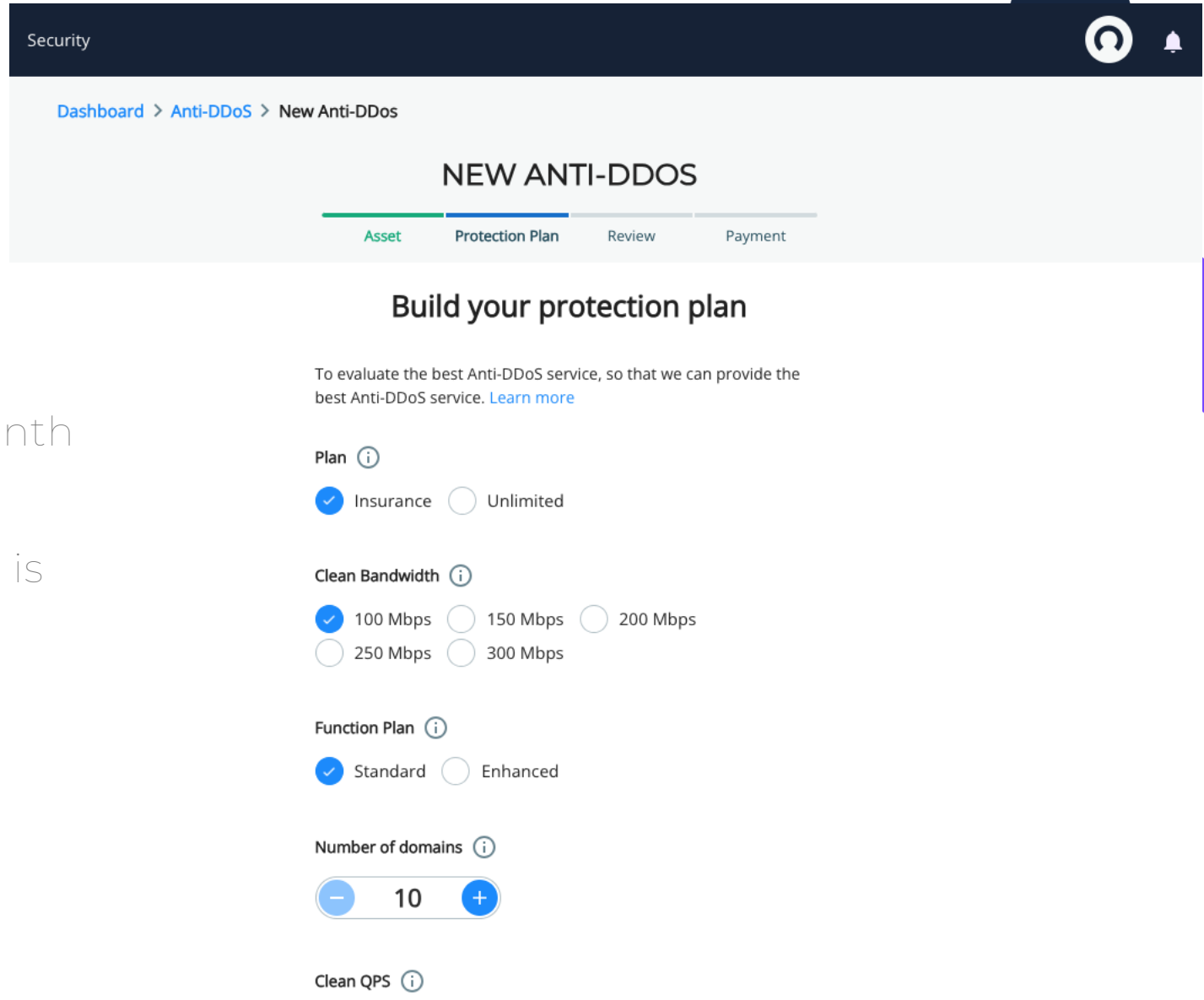
Menu

Quotation

Place Order

Quotation

1. Plan – attack occurrence
 a. Insurance – 2 attacks per month
 b. Unlimited – unlimited attack per month

2. Clean Traffic
 The legitimate traffic after DDoS traffic is filtered

3. Function Plan
 a. Standard – defined port number
 b. Enhanced – any port number

4. Number of domains (protected)

5. Query Per Second (QPS)

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Security

Dashboard > Anti-DDoS > New Anti-DDos

NEW ANTI-DDOS

Asset | Protection Plan | Review | Payment

Build your protection plan

To evaluate the best Anti-DDoS service, so that we can provide the best Anti-DDoS service. Learn more

Plan ⓘ
✓ Insurance   ◯ Unlimited

Clean Bandwidth ⓘ
✓ 100 Mbps   ◯ 150 Mbps   ◯ 200 Mbps
◯ 250 Mbps   ◯ 300 Mbps

Function Plan ⓘ
✓ Standard   ◯ Enhanced

Number of domains ⓘ
− 10 +

Clean QPS ⓘ

Service Provision via Console Connect

- Configure Scrubbing Center
- Collect the protected Anti-DDoS IP Address/Subnets

Manage configurations

Website Config   Non-websites

Domain	Original Server IP	Assosciated Instance IP	Protocol	Certificate Status	HTTP Flood Protecttion
www.abc.com	6.3.0.9	170.33.12.111	HTTP port: 80 HTTPS port: 443	🟠 Pending	🟢 Active •••

Go back   **Add domain**

Console Connect – Anti-DDoS dashboards

Access your traffic data
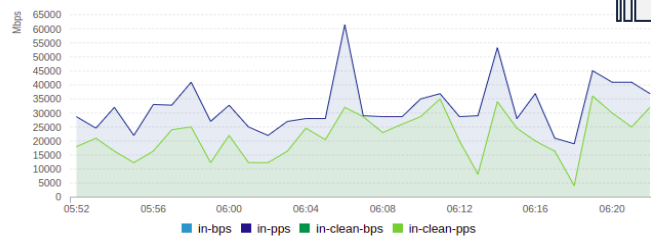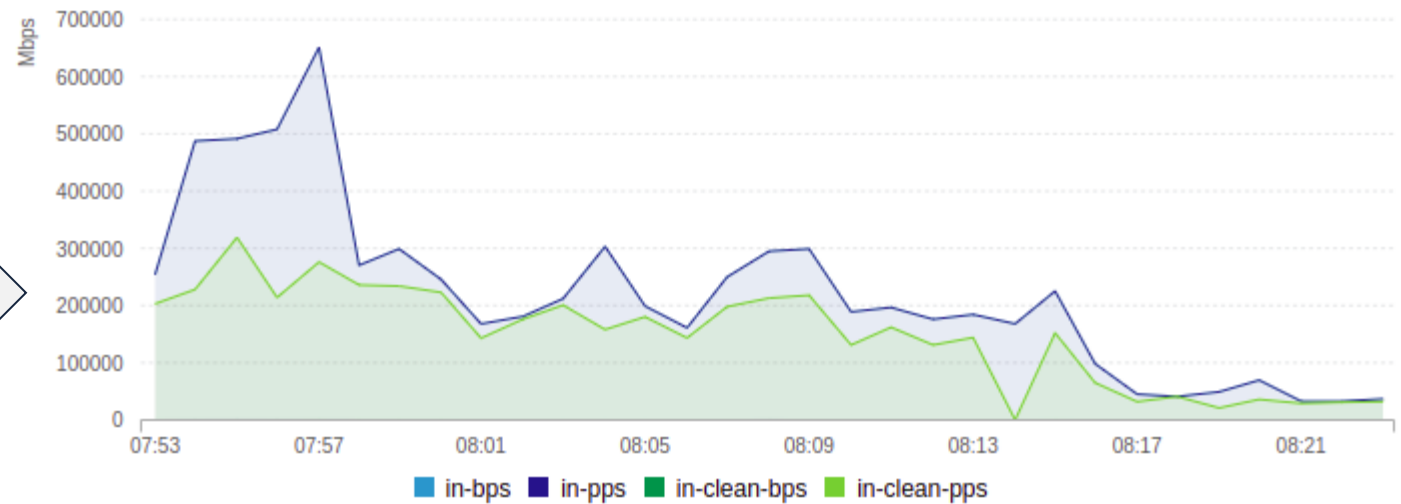
Console Connect – Anti-DDoS dashboards

Feel safe under our services and inspect your traffic & devices be solid secured

Console Connect MeetingPlace

Console Connect MeetingPlace is where connecting to clouds, infrastructures and applications begins.

Discover, connect and buy and sell services from business-critical services and partners, including Security

consoleconnect
by PCCW Global

The **simpler, smarter, more secure** way to connect —

Ensure your network and mission-critical data is protected at all times with our range of security services.

Security Operation Centre
Athens

900+
Data centres

60+
Countries
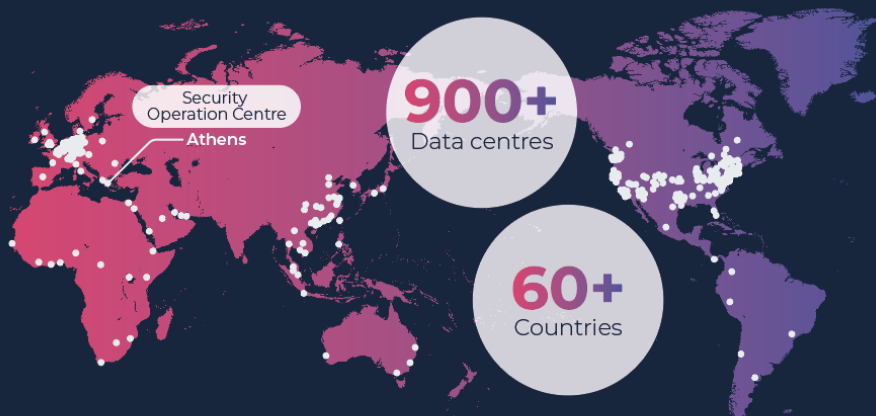
Security services by Console Connect

Managed Firewall

Cloud WAF Service

Anti-DDoS Service

Cloud Security for SASE

Cloud Email Security

Cloud Security for ZTNA
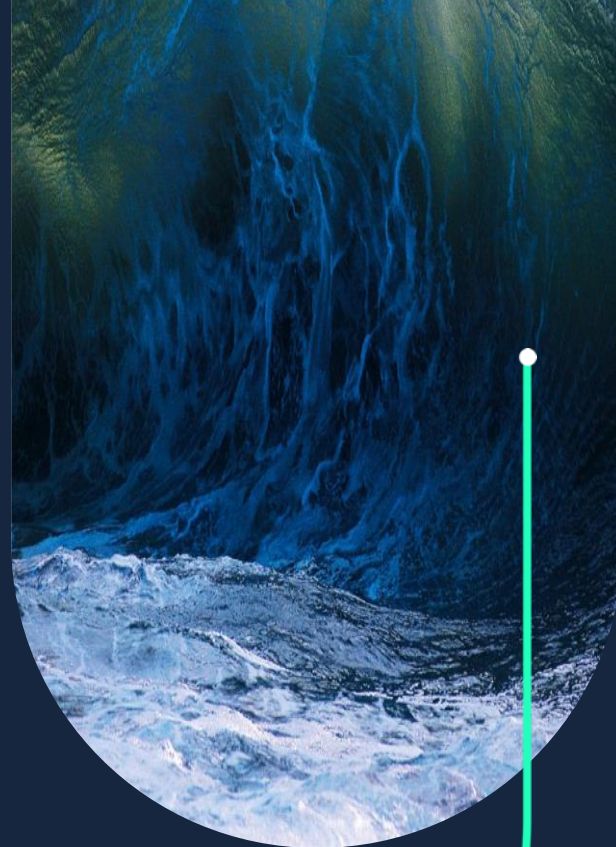
Questions & Answers

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Meet us at Booth 25

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THANK YOU!

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