

**ZYXEL**

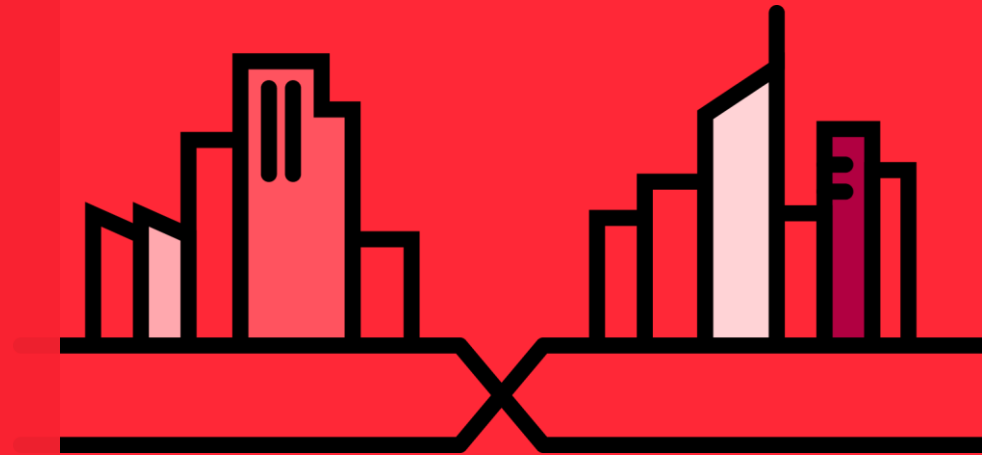
Your Networking Ally

# ZyWALL Advanced VPN Firewall Sales Kit

Dec, 2017

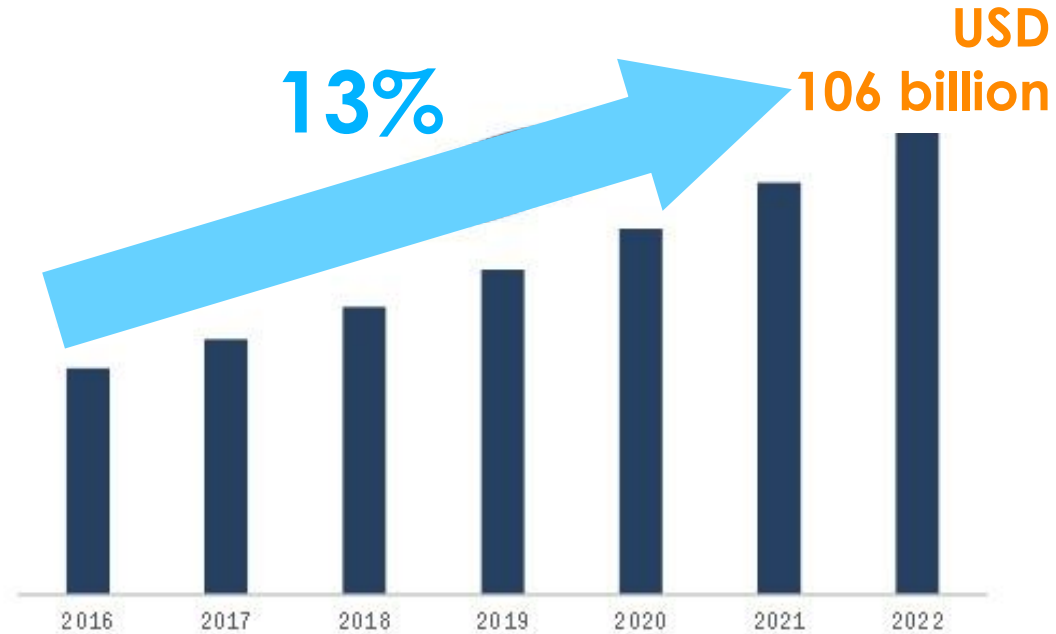
# Table of Contents

- **Market Outlook**
- Product Introduction
- Why ZyWALL VPN
- Feature Highlights
- License
- Ordering Information



# GLOBAL VIRTUAL PRIVATE NETWORK (VPN) MARKET Forecast 2016-2022

The global VPN market is expected to reach at **USD 106 billion** by end of year 2022 with compound annual growth rate of **13%**.



Source

<https://www.marketresearchfuture.com/reports/virtual-private-network-market>

# Why business need to adopt VPN?



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## Secure

Data breaches not only lead to compensation and regulatory fines, but can leave lasting reputational damage.



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## Mobility

VPN can provide a huge boost to productivity by ensuring that staff are not tethered to traditional office working times and locations.



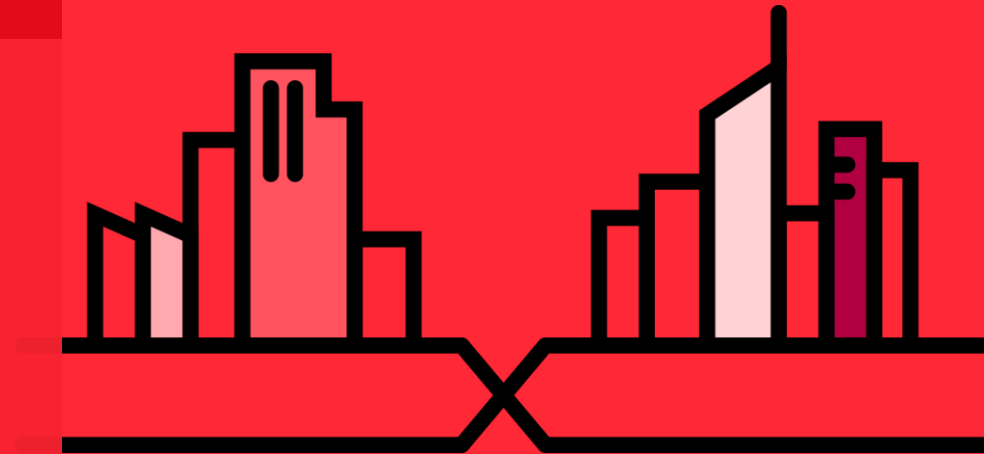
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## COST

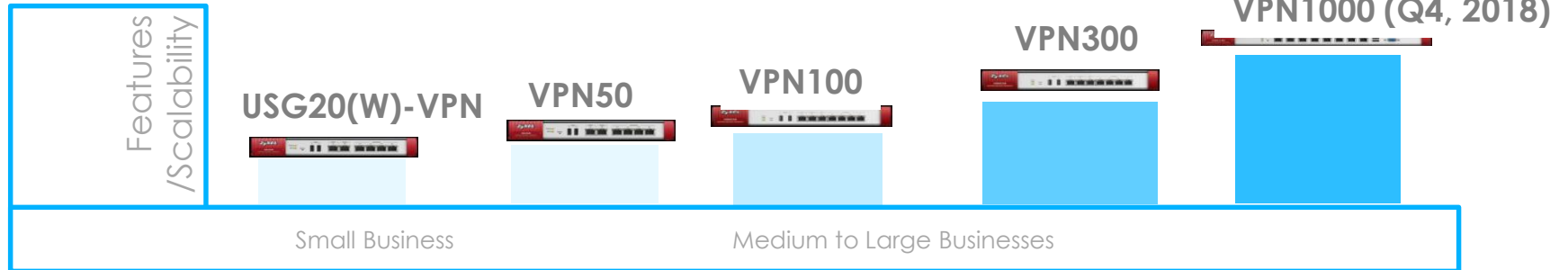
VPN can prove much more affordable than a physical private network. Rather than having to lease long distance network connections to achieve a secure transfer of data

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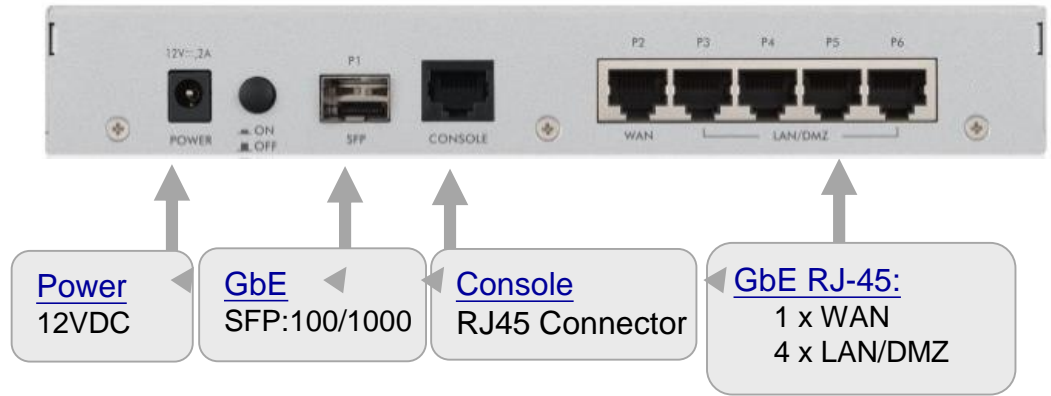
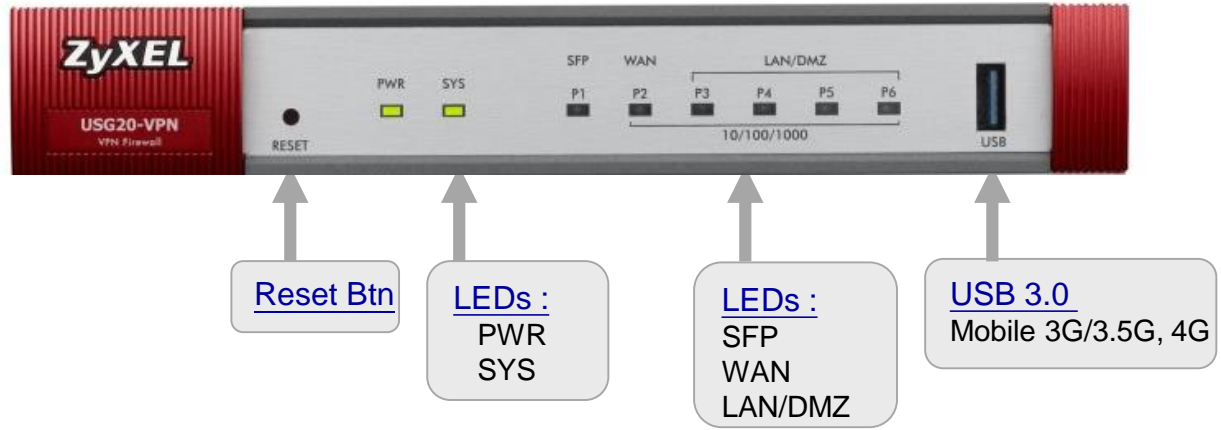
# Product Matrix



	USG20(W)-VPN	VPN50	VPN100	VPN300	VPN1000 (Q4, 2018)
Firewall throughput*	350 Mbps	800 Mbps	2,000 Mbps	2,600 Mbps	8,000 Mbps
VPN throughput*	90 Mbps	150 Mbps	500 Mbps	1,000 Mbps	1,500 Mbps
Max. TCP concurrent sessions	100,000	400,000	800,000	2,000,000	3,000,000
Max. # of VPN Tunnels	10	50	100	300	1000
# of SSL VPN (Incl./Max.)	5/15	10/50	10/100	50/300	500/1000
Mgmt. AP	-	4/36	4/68	4/132	4/260
Hotspot Management	-	-	Y	Y	Y
Facebook Wifi	Y	Y	Y	Y	Y
AWS APC	Y	Y	Y	Y	Y
Easy Mode	Y	Y	-	-	-

# Hardware Configuration

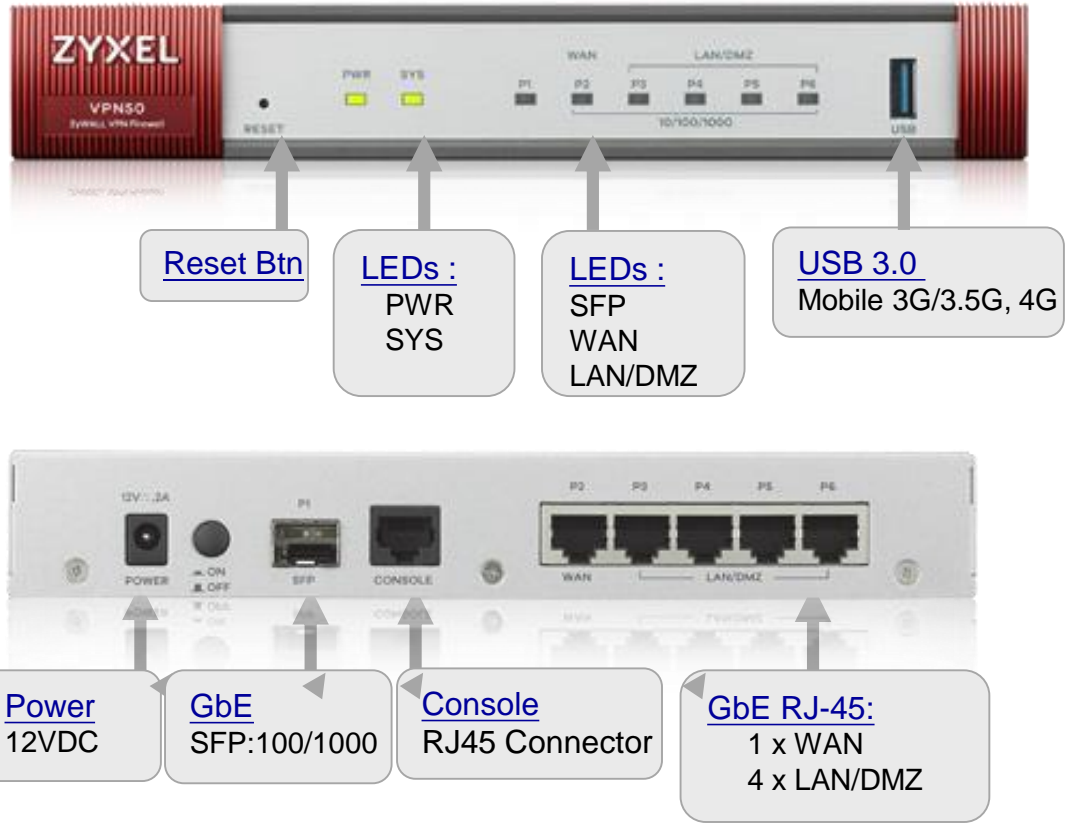
## USG20(W)-VPN



**USG20W-VPN supporting 3x3 Single radio  
802.11 a/b/g/n/ac**

# Hardware Configuration

## VPN50





# Hardware Configuration

## VPN100



### LEDs :

PWR  
SYS  
SFP LINK  
SFP ACT

### USB 3.0:

3G/3.5G, 4G  
dongle

### GbE RJ-45:

1 x SFP WAN  
2 x LAN/DMZ  
4 x LAN/DMZ

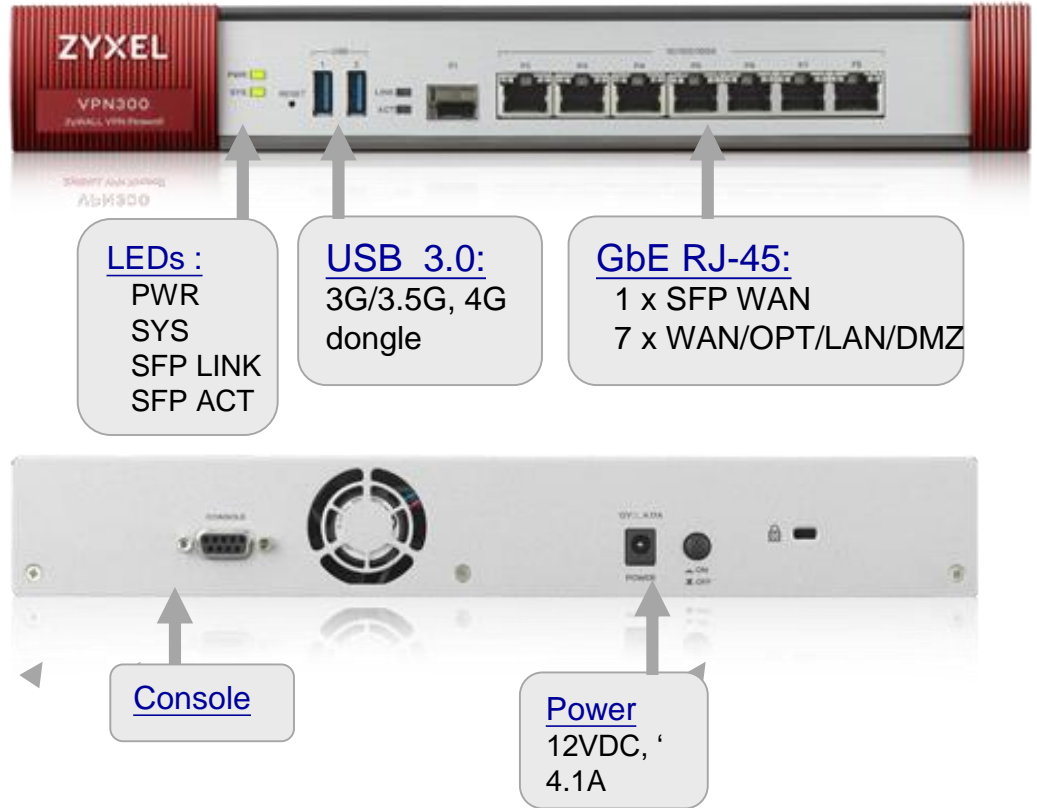


Console

Power  
12VDC

# Hardware Configuration

## VPN300



# Migration to replace Non-UTM ZyWALL/USG

MB



ZyWALL 1100  
1,000,000 Concurrent Session  
800 Mbps VPN

SMB



ZyWALL 310  
500,000 Concurrent Session  
650 Mbps VPN



ZyWALL 110  
150,000 Concurrent Session  
400 Mbps VPN

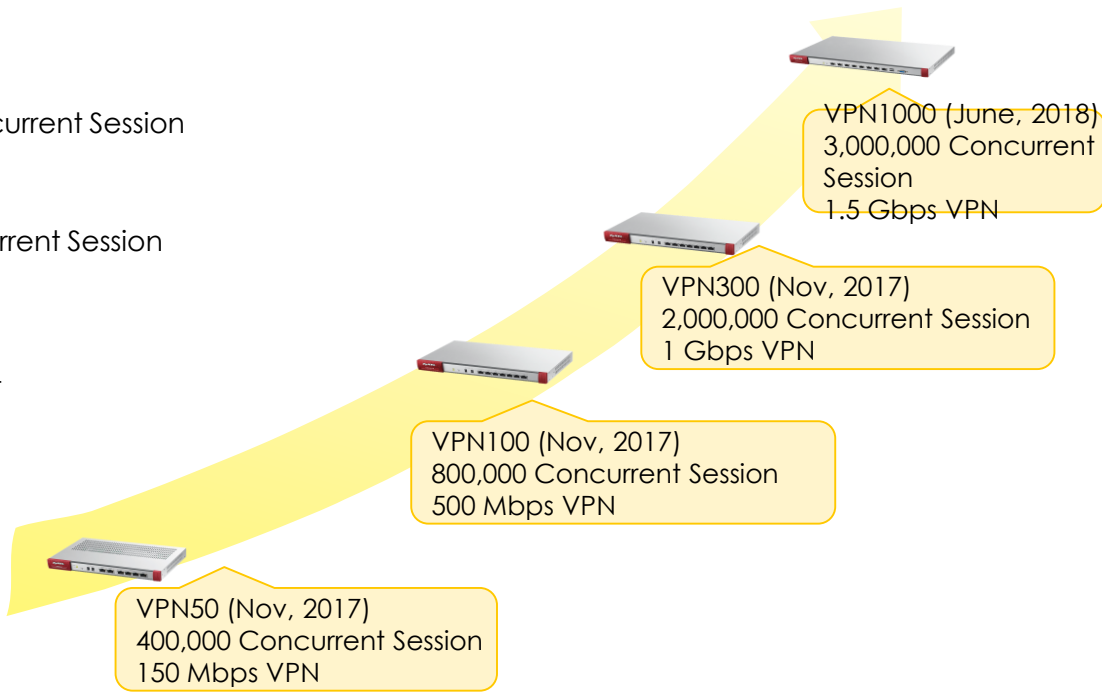
Small Business



USG60-NB  
100,000 Concurrent Session  
180 Mbps VPN

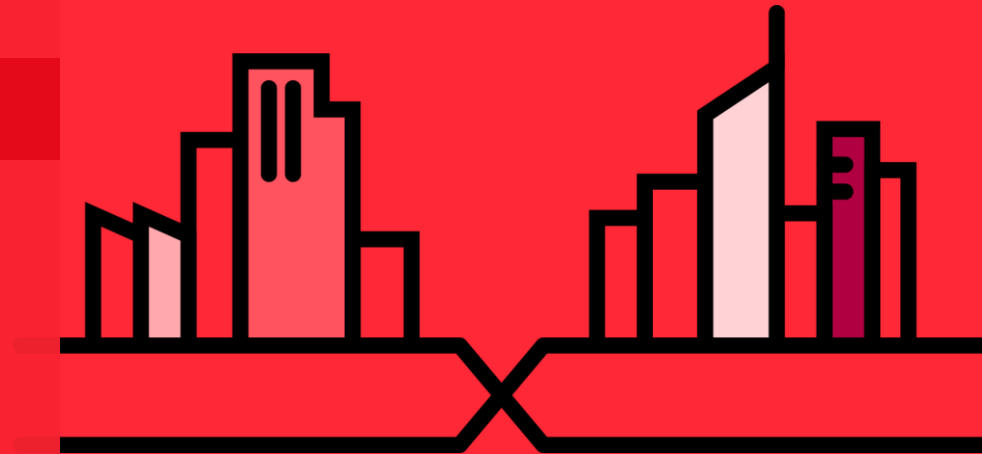


USG40-NB  
50,000 Concurrent Session  
100 Mbps VPN



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# VPN50/100/300 Highlights

Easy, Secure, Faster VPN Access



## Interfaces

SFP Interface  
Upgrade to USB3.0



## Capability

Higher VPN Tunnels  
More APs support  
(by Default & Max)



## Performance

Higher Throughput  
Better Concurrent Sessions  
(up to 4 times of USG)



## Usability

Easy Deployment  
Tunnel health and statistics  
overview



## Solution

Bundled 1 yr Free CF & Geo-  
Enforcer  
Cloud CNM Family  
AWS VPC  
Facebook Wifi



# One-year Free Security Service

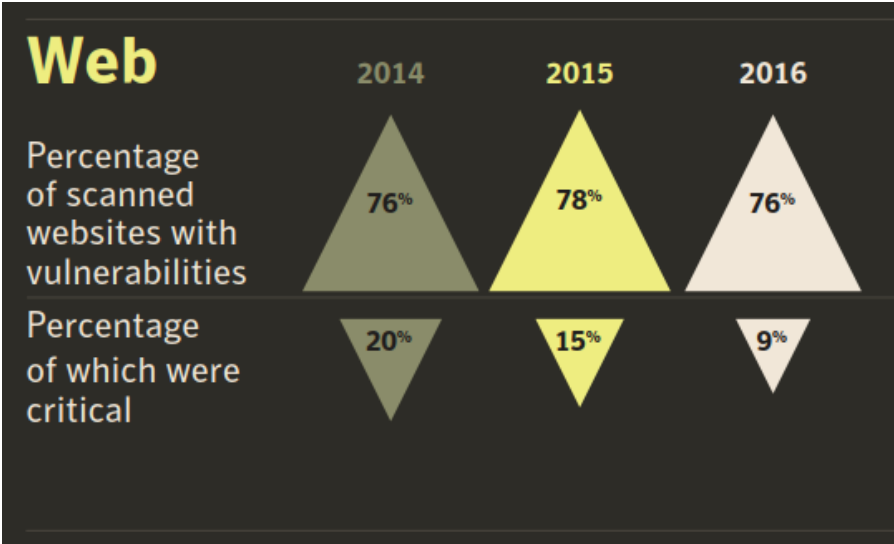
01



# Websites are vulnerable

## Symantec said:

In 2016, up to **76%** of scanned website are found with malware or vulnerabilities



Source: Symantec 2017 Internet Security Threat Report

## Google said:

Search Engine Land SEO SEM MOBILE LOCAL RETAIL GOOGLE BING SOCIAL MORE EVENTS

**Google: Hacked sites increased 32% in 2016**

Google is encouraging webmasters and site owners to verify their sites in Google Search Console to help both prevent and fix website hacks.

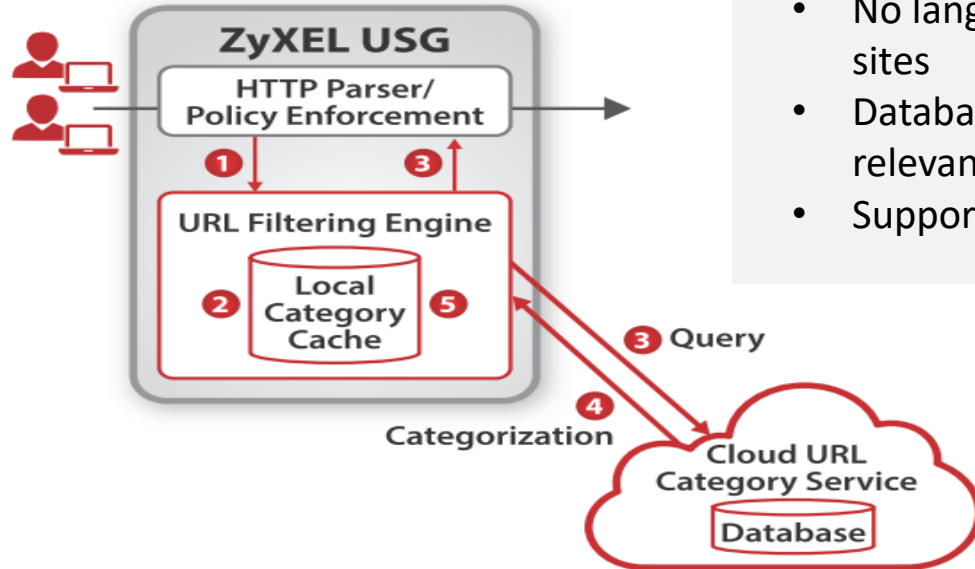
Barry Schwartz on March 20, 2017 at 1:11 pm



“Web Security” module is designed for protecting user when visiting websites... © 2017 ZYXEL | 15

# One-year Free Content Filtering

URL Filtering technology of Content Filtering service protects users and networks from accessing malicious or malware sites.

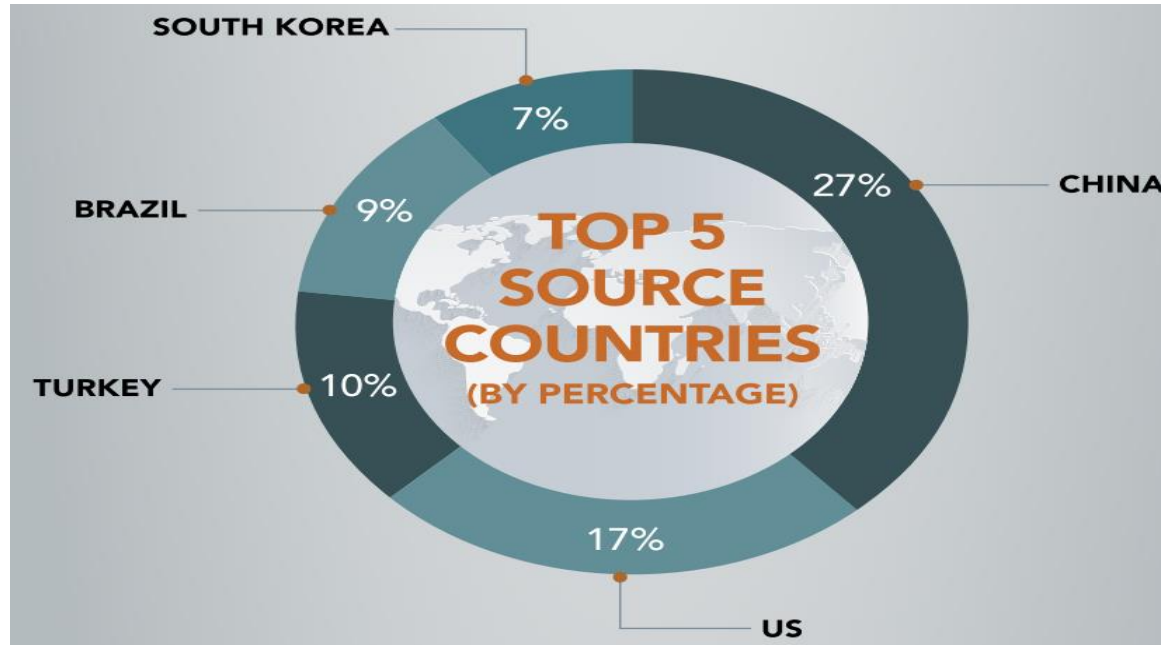


- 64 categories, 8 of which are security related
- No language constraints; vast coverage of global sites
- Database contains ~140 million of the most relevant URLs
- Supports http, https, ftp and other protocols



# Top Attacking Countries

By visiting websites or web resources in top attacking countries, the website might be infected and users could be installed with some malicious codes.



Source: Akamai Q1 2016 State of the Internet Security Report

# One-year Free Geo Enforcer

## Maps IP addresses to Geo locations

- Administrators can block top hacking countries and prevent users from visiting sources in certain countries
- For easy management and better understanding, IP addresses are also mapped into countries

### Based on the country

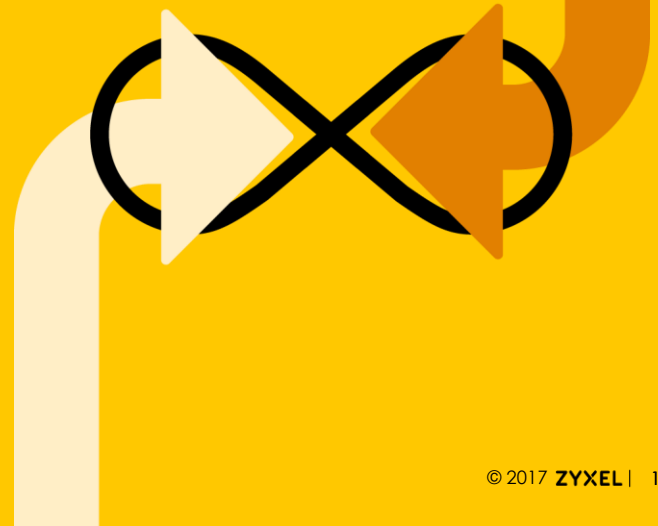
- ✓ Monitoring traffic
- ✓ Block network access
- ✓ Log analysis



# Easy to Use

- Dashboard
- iOS Provision

02



# Dashboard – Intuitive, Simple, Visual

ZYXEL VPN300

Logout Help About Site Map

Connections Overview

Login User Statistics

General VPN



**IPSEC VPN**  
35 / 60 connections / max  
100 / 150 In / Out bps

Site to Site  
15 Tunnels Connected

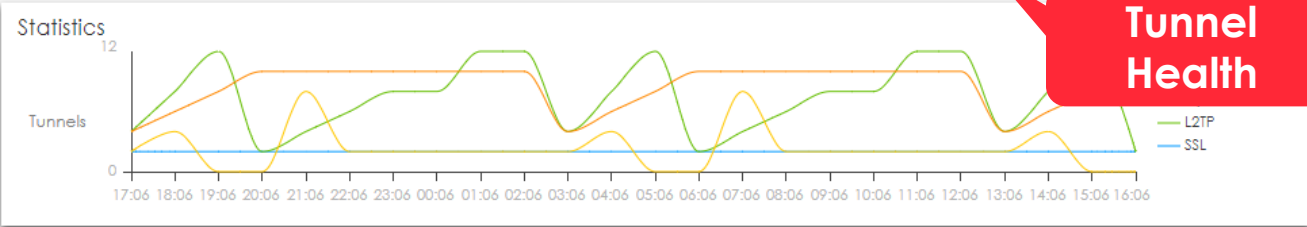
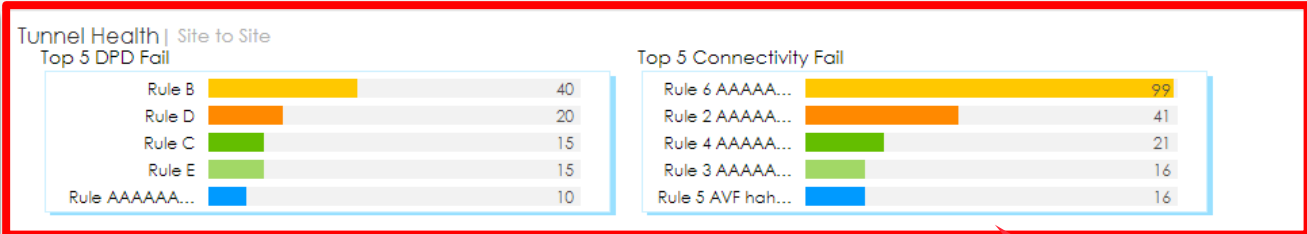
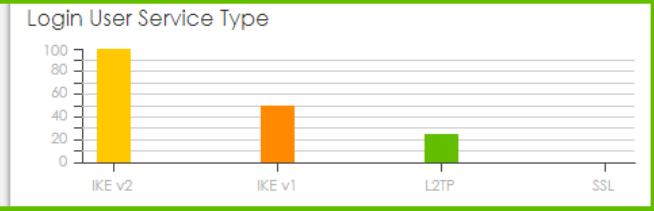
Dynamic  
15 Tunnels Connected

L2TP  
5 Tunnels Connected

---

**SSL VPN**  
35 / 60 connections / max  
100 / 150 In / Out bps

SSL  
100 Tunnels Connected



Tunnel Health

# Easy iOS VPN Provision

VPN Firewall fully compatible with iOS built-in VPN Client  
**Easy iOS Provision**



**2. Download Profile**



**3. Install Profile**



✓ Easy Quick VPN  
✓ Avoid Config Error

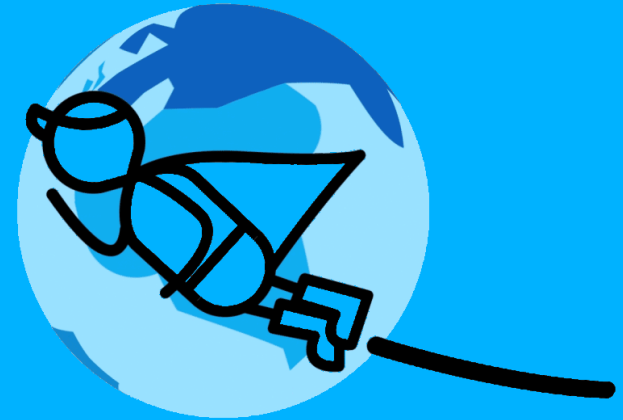


**1. Set Up VPN Profile**



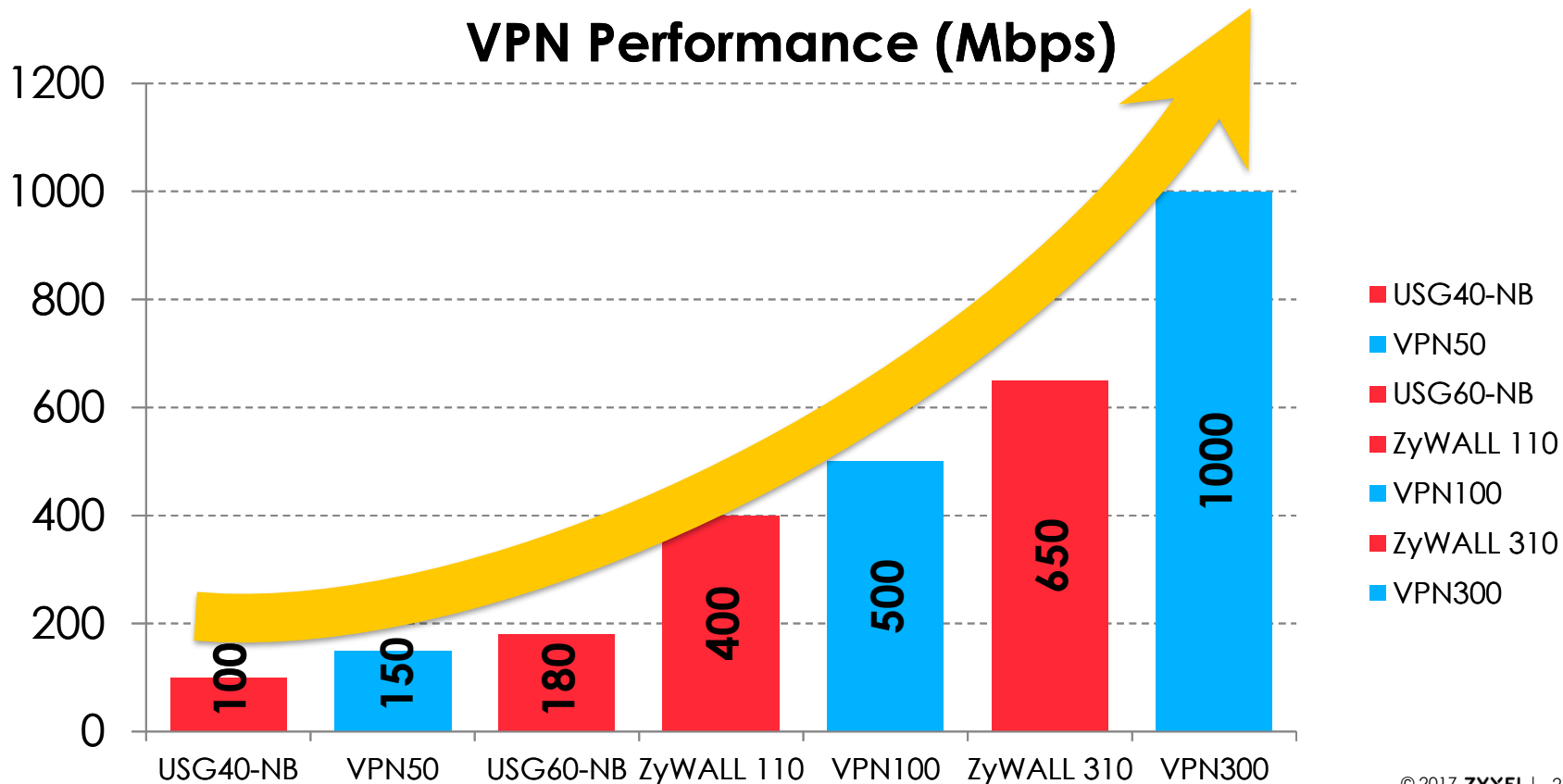
1. The iOS provision feature supports iOS 9.3 or above versions.
2. The iOS provision supports iOS mobile devices, not tablets.

# Fast & Secure VPN



03

# Ultra-high Performance



# Secure VPN





# Hybrid VPN

## Hybrid technology support



SSL VPN

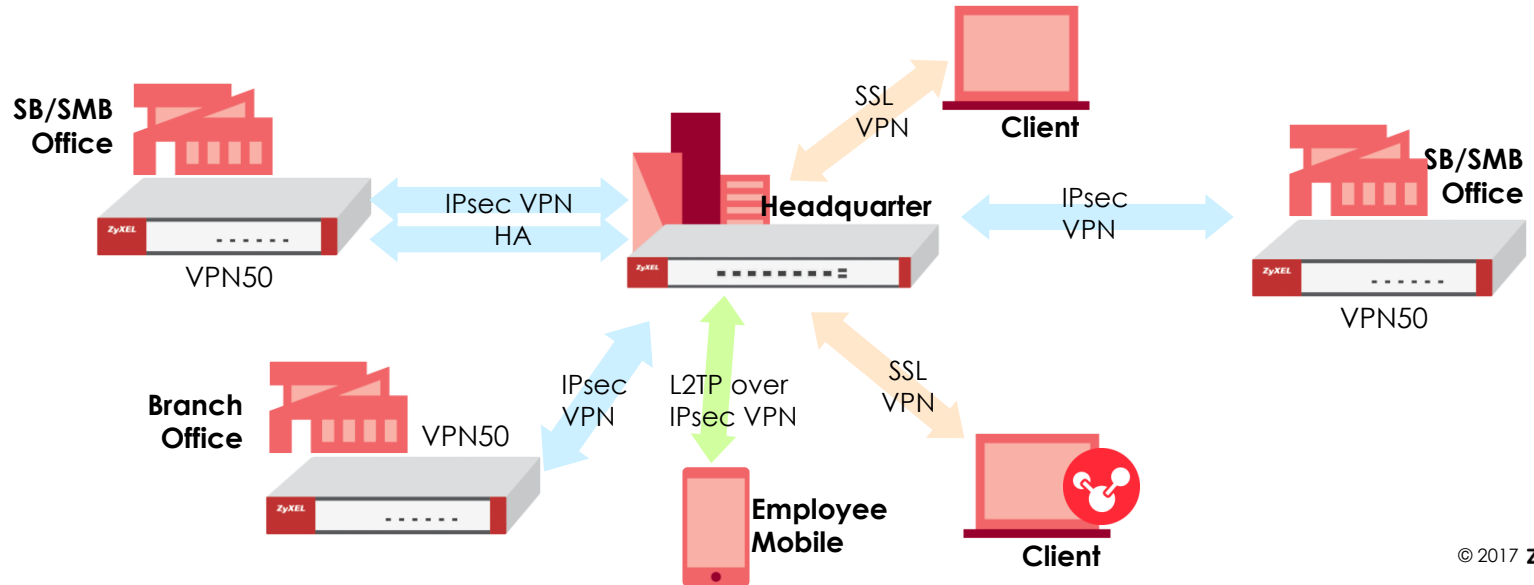


IPSec VPN



L2TP over IPSec VPN

## For Wider Security Coverage



# IKEv2 - Next Gen Encryption



## EAP Authentication\*

IKEv2

- ✓ Provides **mutual** authentication
- ✓ Establish **session key** between an EAP peer and server.



## DoS Protection

IKEv2 can **prevent DoS attacks** from the network when it validates the IPsec initiator.



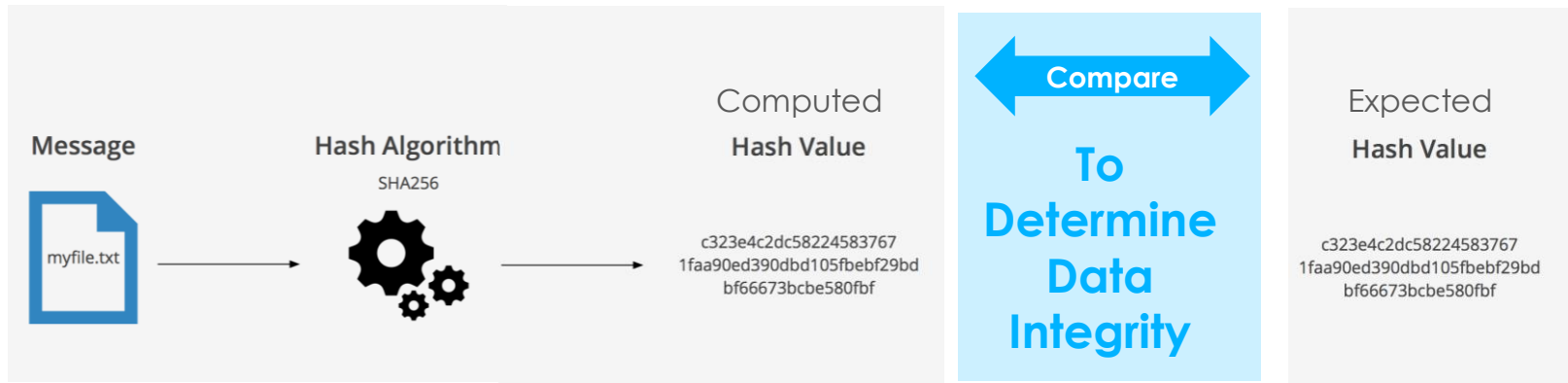
Safer Faster Hand-shaking

Better Resilience To Attacks



# SHA2 Ensures Data Integrity

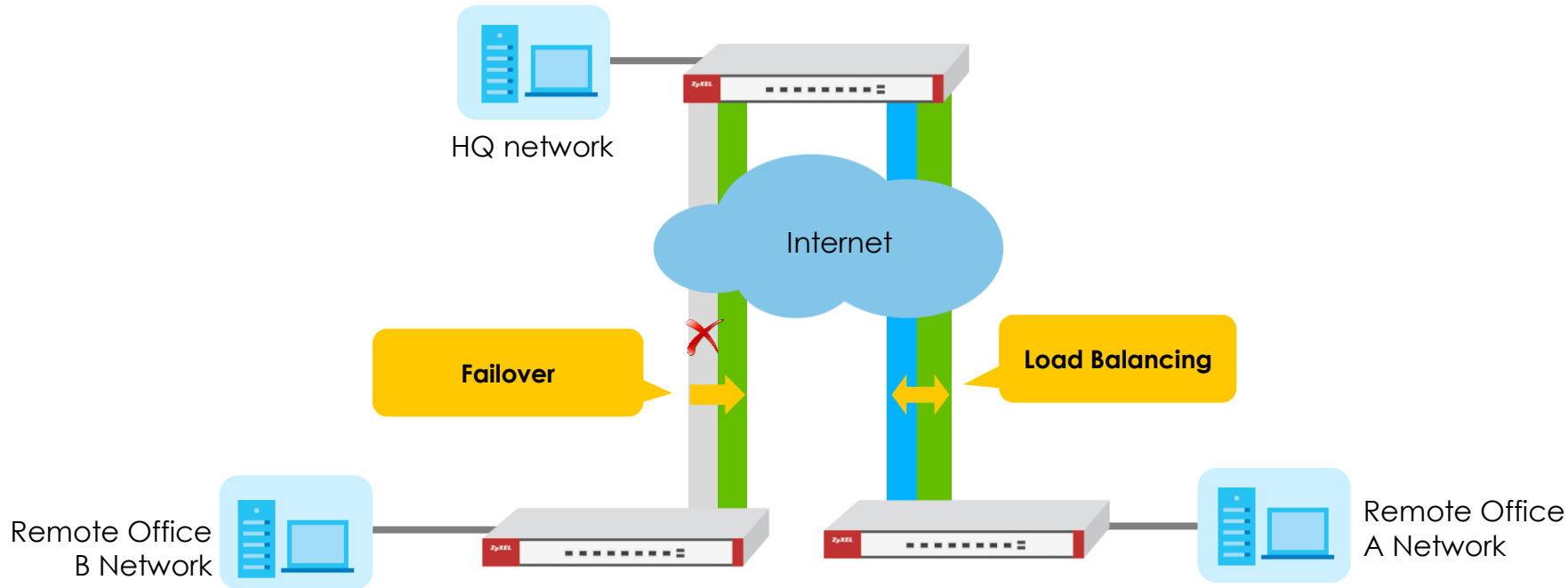
- A Mathematical Computing Protection



More Secure VPN Network



# VPN High Availability



**Failover benefits:**  
**Minimal Down Time**



**Load Balancing benefits:**  
**High Capacity**

**Boost Your Network Reliability**

# ZyWALL VPN Series to meet your need!



## Multiple, Highly Secure Access

- IPSec/SSL VPN with secured hand-shaking by supporting IKEv2
- AWS VPN Verified Customer Gateway
- One year free Content Filtering for web security management



## Non-Stop Service

- Multi-WAN Failover and VPN High Availability to ensure the connection
- HA Pro for failover service



## Easy to Use

- Quick overview and monitoring with graphic Dashboard
- Easier iOS Provision in three steps
- VPN provision available from SB to MB scale



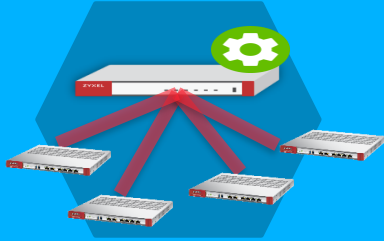
## Comprehensive Connectivity

- Hospitality solution available from small shops to vertical
- Integrated AP Controller to help cross sales

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- **Feature Highlights**
- License
- Ordering Information
- AWS VPC
- SecuDeployer
- Facebook Wi-Fi

# How ZyWALL VPN Elevates Business Capability



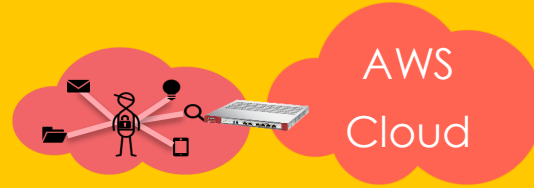
Enhance Deployment Capability



SecuDeployer



VAR/SI



Integrated Cloud Network



AWS VPC



On-Premise Network

SMB



Customer Endorsements



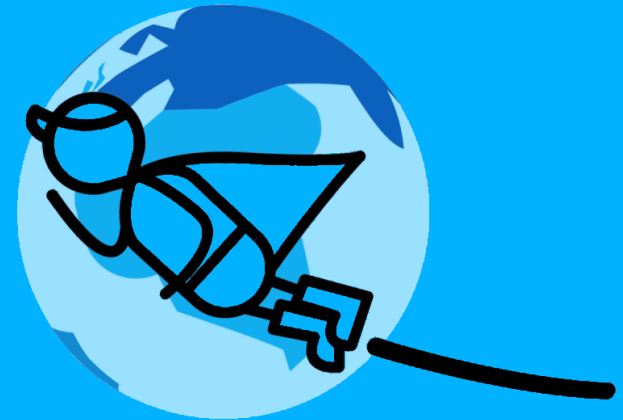
Facebook WiFi



Free WiFi

Hospitality LYXEL | 32

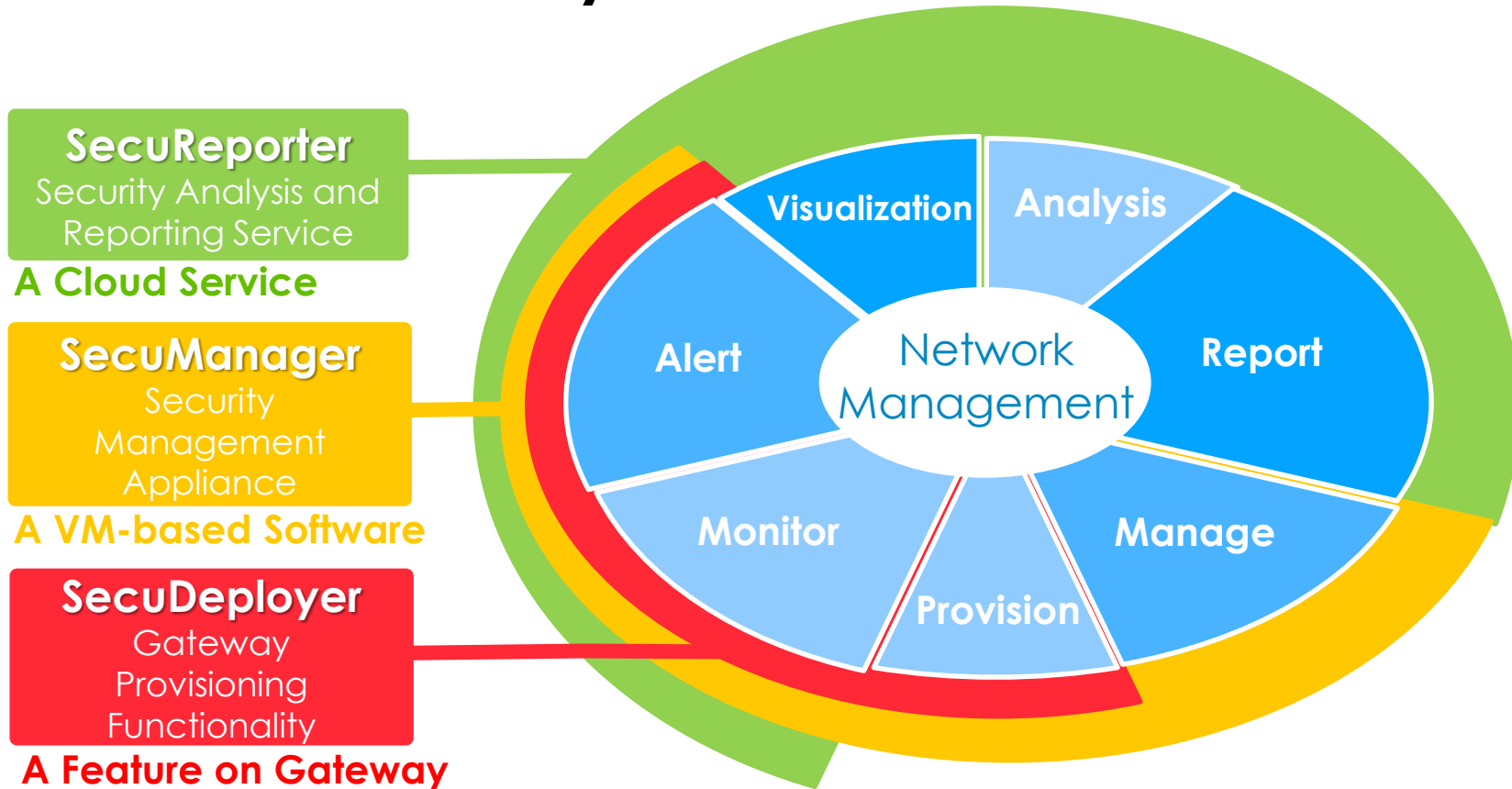
# Cloud CNM SecuDeployer



*Available since ZLD4.31 (Jan, 2018)*



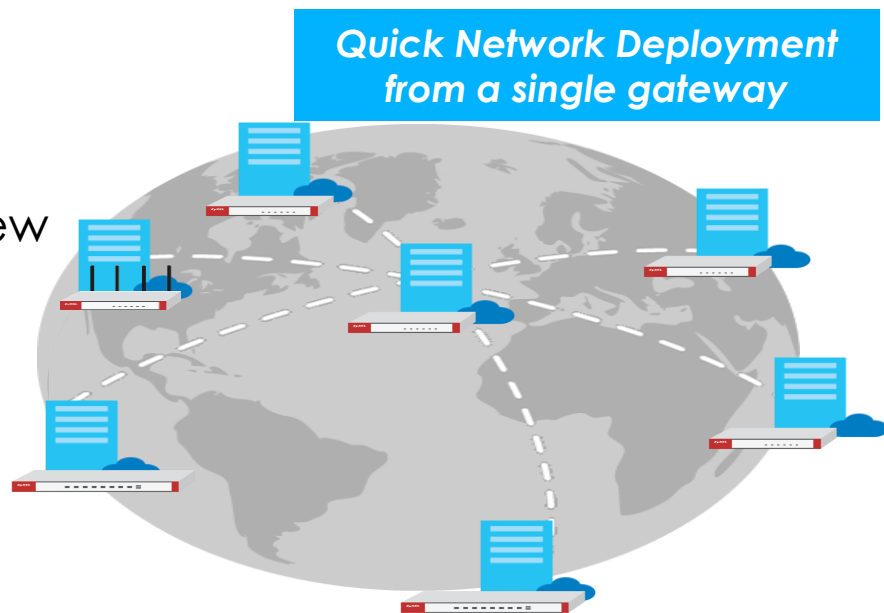
# Cloud CNM Family



# Make your Gateway A Provision Server

## Beneficiary for SB/SMB Deployment

- ✓ Quick deploy 50 remote devices
- ✓ Easy Hub & Spoke IPSec VPN provision
- ✓ Device status monitoring - health overview
- ✓ Annual Server license on  
USG/ZW110 above models  
VPN100 above models



Note: SecuDeployer is a ZLD4.31 new feature only applicable on ZyWALL USG and VPN product lines.

# How SecuDeployer Benefits VARs/SI

## Advanced Manageability For Large Scale Deployment

- ✓ VM required for large scale fulfillment
- ✓ Capable of device group management
- ✓ Comprehensive configuration via CLI script

SecuManager

A central blue box labeled 'SecuManager' is connected by numerous blue dotted lines to a large number of small server icons representing devices, illustrating a large-scale deployment.

Up to 1000 devices  
Target for MSP/ISP

## Quick and Easy For Small Scale Deployment

- ✓ No extra HW requirement
- ✓ Auto Client List. Easy member setup
- ✓ Easy configuration for fixed scenarios

SecuDeployer

A central green box labeled 'SecuDeployer' with a gear icon is connected by a few green dotted lines to a small number of server icons representing devices, illustrating a small-scale deployment.

Up to 50 devices  
Target for SB/SMB

# Quick to Deploy

## 1. Enable

## 2. Member

## 3. Profile

ZYXEL VPN100

[Logout](#) [Help](#) [About](#) [Site Map](#) [Object Reference](#) [CLI](#)

General

Profile

Managed Device

### CONFIGURATION

+ Licensing

+ Wireless

- Network

- Interface

- Routing

- DDNS

- NAT

- Redirect Service

- ALG

- UPnP

- IP/MAC Binding

- Layer 2 Isolation

- DNS Inbound LB

- VPN

- Amazon VPC

- IPSec VPN

SSL VPN

### General Settings

Enable SecuDeploy [?](#)

Client Role

Server Role

Status: Updating group infor

Last Update: 2017-10-25 14:21:51

[Update](#)

### Advance Settings

Interface:

Primary:

wan1

Secondary:

Custom Defined

0.0.0.0



### SecuDeploy Service Status

Service Status: Activated

[Renew](#)

Service Type: Standard , 50

Expiration Date: 2018-11-19

# Quick to Deploy

1. Enable

2. Member

3. Profile

ZYXEL VPN100

Logout

General Profile **Managed Device**

**Managed Device**

Current member: 2 Maximum: 50

**+ Add**

**- Remove**

Index	Conn...	S/N	Hostname	IP/Port
1		S162L44190...	VPN100-900...	192.168.107...
2		S162L44190...	VPN100-900...	192.168.106...

**+ Add Member**

Select Member(s):

<input type="checkbox"/>	Index	S/N	Hostname	IP/Port
<input type="checkbox"/>	1	S132L28220029	USG60	192.168.11.36:60
<input type="checkbox"/>	2	S132L28220027	USG60	192.168.21.34:9408
<input type="checkbox"/>	3	S142L03220341	usg60-c	192.168.106.72:9408, 192.168....
<input type="checkbox"/>	4	S132L28220004	usg60	192.168.106.180:9408

Page 1 of 1 Show 50 items Displaying 1 - 4 of 4

**Auto Client List from cloud\***

**Quick and easy enrollment !**

\*All available devices under your MZC account automatically populated in

OK

Cancel

# Quick to Deploy

1. Enable

2. Member

3. Profile

**ZYXEL VPN100**

General Profile Managed Device

**CONFIGURATION**

- + Licensing
- + Wireless
- Network
  - Interface
  - Routing
  - DDNS
  - NAT
  - Redirect Service
  - ALG
  - UPnP
  - IP/MAC Binding
  - Layer 2 Isolation
  - DNS Inbound LB

**Profile Template**

+ Add Edit Remove Activate Inactive

#	St...	Name	Member
1		default	Any
2		ipsecpp	1 Nodes
3		vti-prof	1 Nodes

Page 1 of 1 Show 50 items

**General Setting**

Enable

Name:

**Member** Default Profile auto-carries added members

Refresh

Index	Hostname	IP/Port	Status	Profile Template
1	VPN100-9...	192.168.107.9...		ipsecpp
2	VPN100-9...	192.168.106.1...		vti-prof

Page 1 of 1 Show 50 items Displaying 1 - 2 of 2

**Interface**

+ Add Edit Remove

#	Name	Type	Subnetting	DHCP Server
---	------	------	------------	-------------

Page 0 of 0 Show 50 items No data to display

**IPsec VPN**

Scenario: Site-to-Site (Policy Based)

Simple Quick 3 Steps. Done!

# Easy to Monitor

**ZYXEL VPN100** Logout Help About Site Map Object Reference CLI

## SecuDeployer

### SecuDeployer Monitor

Index	Hostname	IP/Port	CPU	MEM	Status	Last update
1	VPN100-9...	192.168.107.97:9408, 192...	0%	0%	**1 VTI UP	N/A
2	VPN100-9...	192.168.106.159:9408, 19...	0%	0%	**1 VTI UP	N/A

Page 1 of 1 Show 50 items Displaying 1 - 2 of 2

**All Added Members**

- MONITOR
  - System Status
    - Port Statistics
    - Interface Status
    - Traffic Statistics
    - Session Monitor
    - Login Users
    - Dynamic Guest
    - IGMP Statistics
    - DDNS Status
    - IP/MAC Binding
    - Cellular Status
    - UPnP Port Status
    - USB Storage
    - Ethernet Neighbor
    - FQDN Object
  - Wireless

**Monitor Tunnel Status and Device Health**

# After License Expiry

What to expect after SecuDeployer server license expires

- **Existing settings** remain as they are both on server and client gateways.
- **Monitor** function still remains for device health etc.
- **No provisioning** anymore
  - **Member**: Users cannot add members anymore
  - **Profile**: Users can still edit profile settings. The new settings can be saved but will not be applied until a valid license takes effect.
- **Client Gateways**
  - The client gateway will become out of server's management in below circumstances:
    - Client gateway reboots after server license expires.
    - Users click "Disable" SecuDeployer function after server license expires.

**Quick to resume provisioning as soon as your license gets renewed**



# Supported Models *(Available since ZLD4.31)*

Model	USG20(W)-VPN	USG40 / USG40W	USG60 / USG60W	USG110 / ZW110	USG1100 / ZW1100	USG1900	USG2200-VPN
Server Role	No			Can be Server Provisioning Node 50			
Client Role	Can be Client				No		

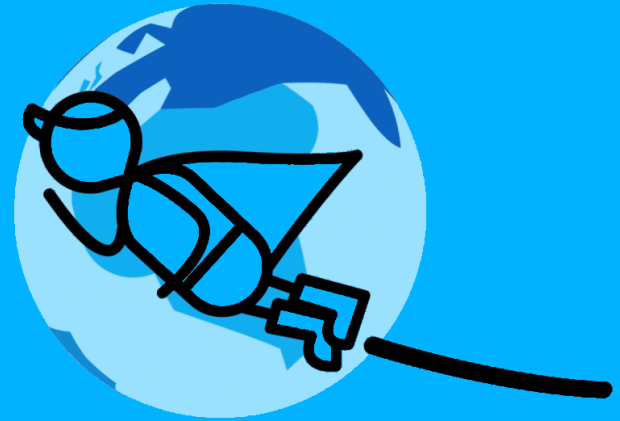
Model	VPN50	VPN100	VPN300	VPN1000 (Q4, 2018)
Server Role	No	Can be Server Provisioning Node 50		
Client Role	Can be Client			No

# License Type: Time Based

License SKU	Duration	Applicable Models	Applicable Firmware Versions
Trial (Available once registration) Node Limit 2	30 days	NGUSG/ZyWALL 110 and up VPN100 and 100up	ZLD4.31
Annual – 1 year Node Limit 50	1 year		
Annual – 2 years Node Limit 50	2 years		

Note: SecuDeployer is a ZLD4.31 (Jan, 2018) new feature only applicable on ZyWALL USG and VPN product lines.

# AWS VPC, Amazon Web Service Virtual Private Cloud



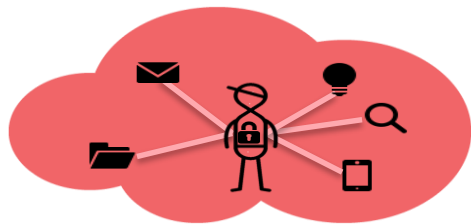
# Transitioning your business to the cloud

## Why the Cloud?

To achieve better IT speed, agility and profitability

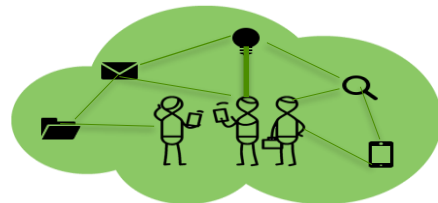
## How to migrate?

Bridging the old and the new, taking advantage of key capital investments internally as well as optimizing operational expenses for cloud services



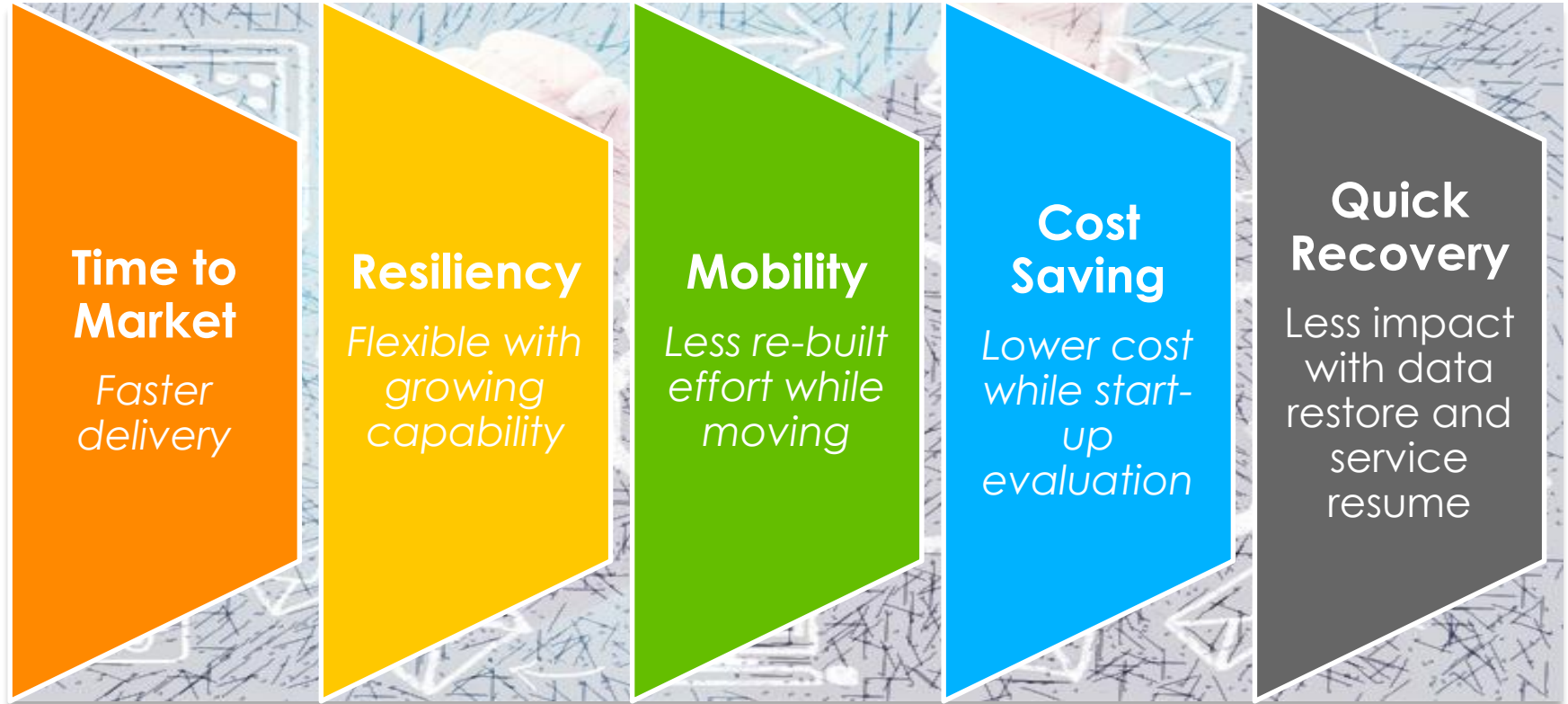
**On Premise**

**Hybrid**



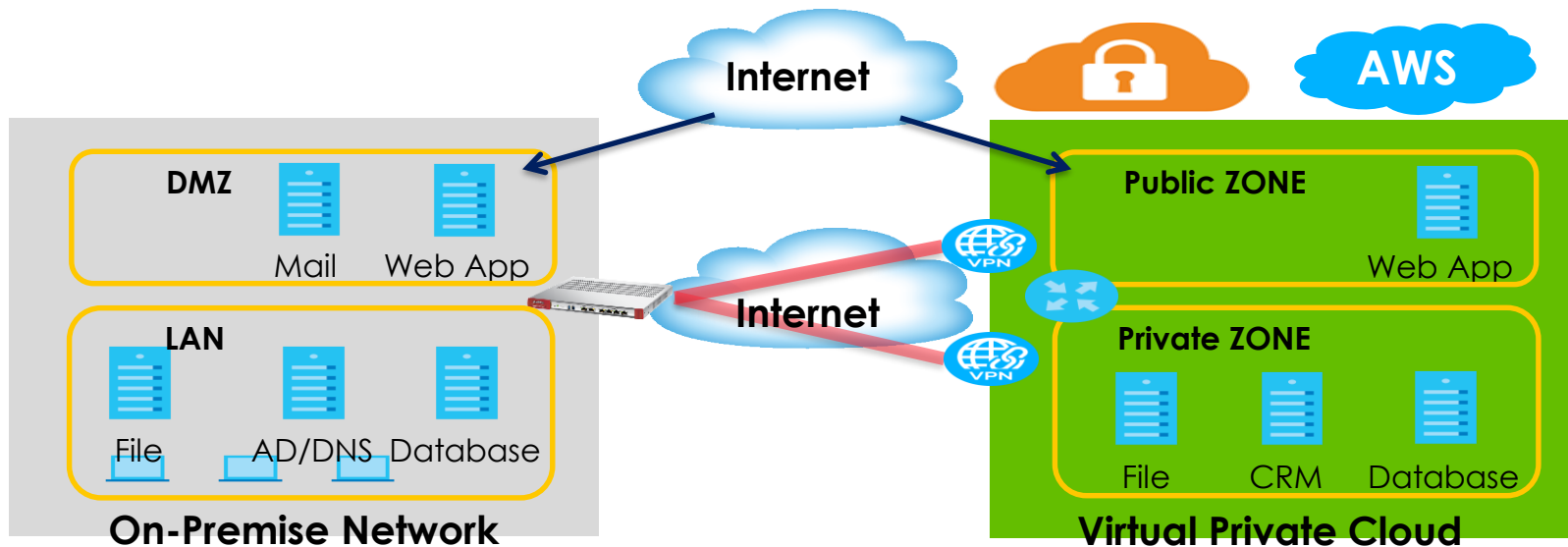
**On Cloud**

# Benefits of Cloud



# What is VPC ?

- A VPC is a sub-cloud, inside AWS public Cloud, and inside and isolated logical network. Other servers cannot see instances that are inside a VPC, namely, it's like a VLAN inside AWS infrastructure.



# Make an Easy Connection

1

## Step 1 Create VPC

Login Amazon VPC and Create VPC configuration file

2

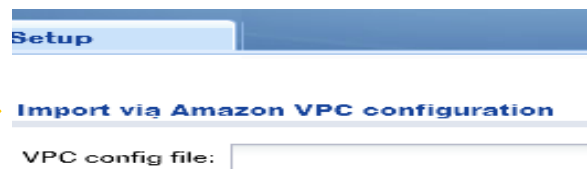
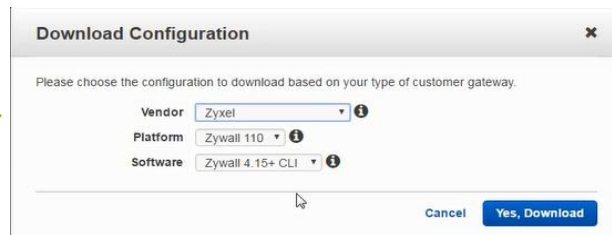
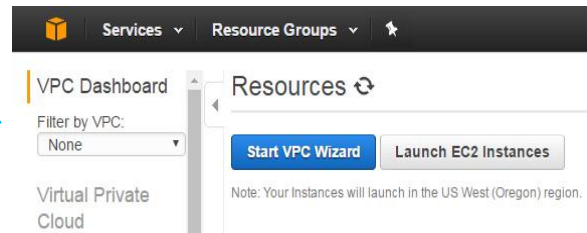
## Step 2 Download VPC config

Download the VPC configuration file  
Static—ZLD4.20, Dynamic—ZLD4.30

3

## Step 3 Upload VPC config

Go to ZyWALL Firewall device VPN GUI and upload VPC config file



# ZyWALL Series as AWS VPC Customer Gateway

- Official verification and listed by Amazon is under progress

Services Resource Groups

VPC Dashboard

Resources

Filter by VPC: None

Start VPC Wizard Launch EC2 Instances

Note: Your Instances will launch in the US West (Oregon) region.

Download Configuration

Please choose the configuration to download based on your type of customer gateway.

Vendor: Zyxel

Platform: Zywall 110

Software: Zywall 4.15+ CLI

Cancel Yes, Download

amazon web services

Customer Gateway Devices We've Tested

Your customer gateway can be a physical or software appliance.

For information about the specific routers that we've tested, see [What customer gateway devices are known to work with Amazon VPC?](#) in the Amazon VPC FAQ.

This guide presents information about how to configure the following devices:

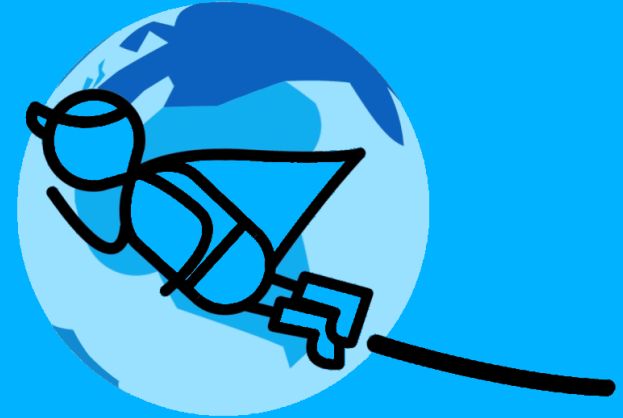
- Check Point Security Gateway running R77.10 (or later) software
- Cisco ASA running Cisco ASA 8.2 (or later) software
- Cisco IOS running Cisco IOS 12.4 (or later) software
- Dell SonicWALL running SonicOS 5.9 (or later) software
- Fortinet Fortigate 40+ Series running FortiOS 4.0 (or later) software
- Juniper J-Series running JunOS 9.5 (or later) software
- Juniper SRX running JunOS 11.0 (or later) software
- Juniper SSG running ScreenOS 6.1, or 6.2 (or later) software
- Juniper ISG running ScreenOS 6.1, or 6.2 (or later) software
- Netgate pfSense running OS 2.2.5 (or later) software.
- Palo Alto Networks PANOS 4.1.2 (or later) software

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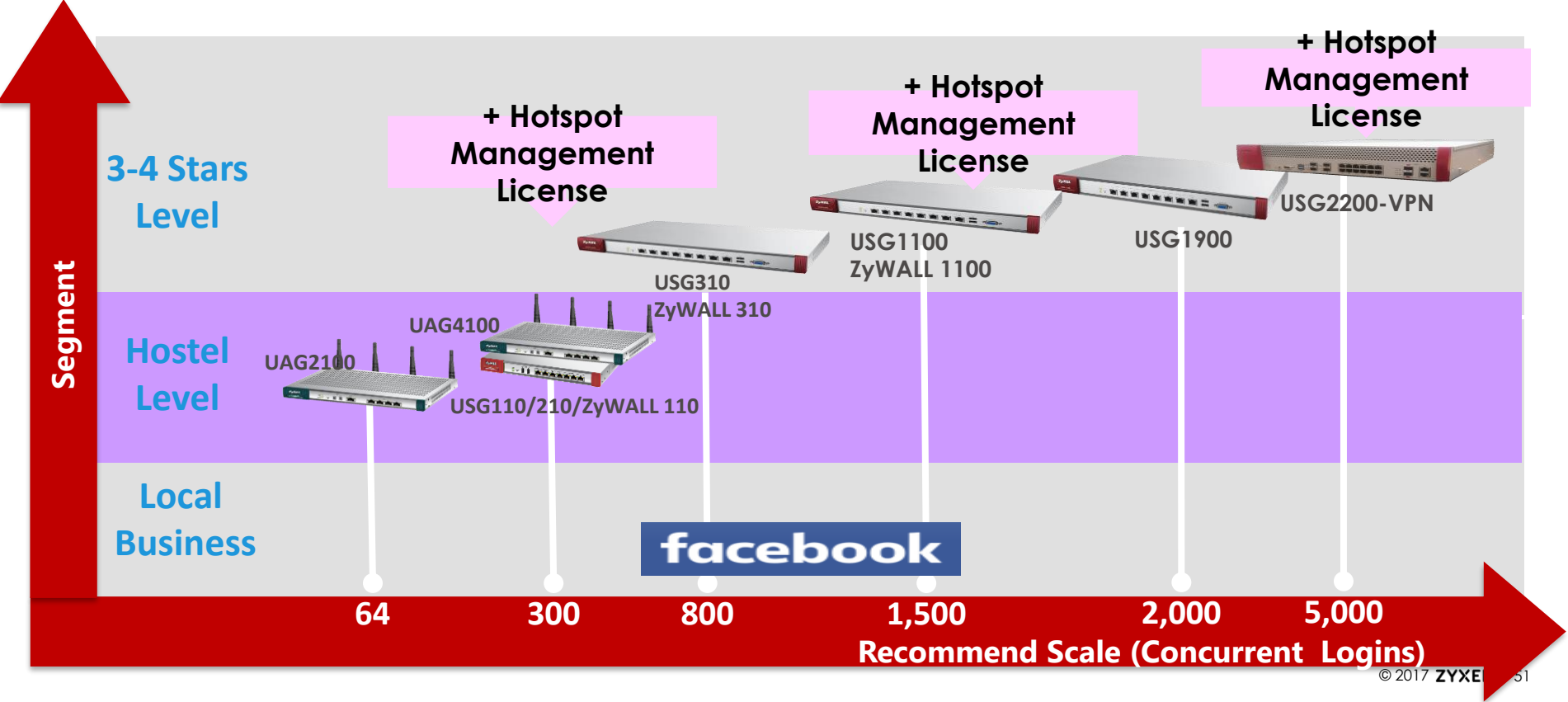


# New Social Engagement

- ✓ Facebook Wi-Fi



# Hotspot Solution Portfolio



# Comprehensive WiFi Hotspot Solution

## *Facebook Wi-Fi for Local Business*

- Easy to use
- Free Marketing
- Reach more people

## *Hotspot Management for Retail & Hospitality business*

- Multiple social logins
- Customized social engagement
- Billing capability



# Elevate Your Business Profile

- Not just offer the Free Wi-Fi

- **Promote your business**

Brand wifi service with your logo,  
Advertise your promotions and  
products

- **Engage with your customers**

Collect customer data, target  
campaigns to specific customers



**Connect**



**Check-in**



**Browse**



# How to Choose?

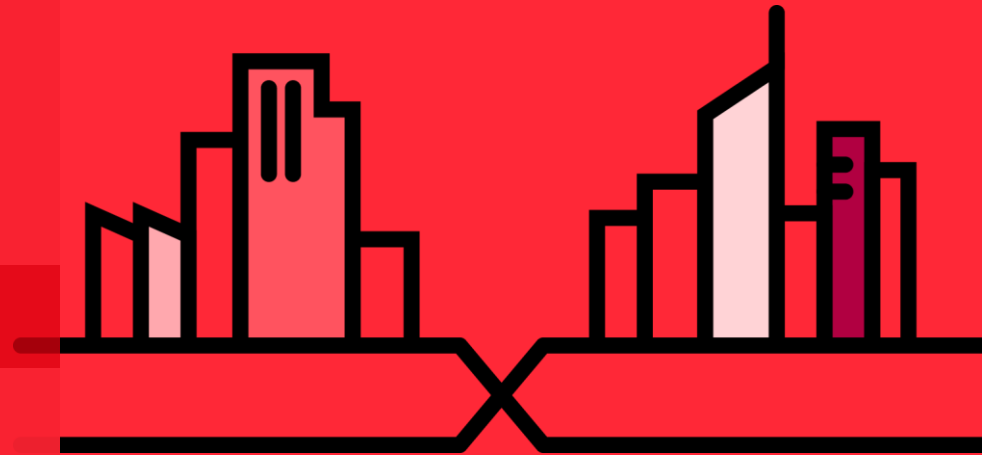
	Facebook Wi-Fi	Social Login (with Hotspot management license)
Supported Social login	Facebook	Facebook, Google, Twitter, ...etc.**
Portal Page	Facebook Page	Customize your page on the cloud**
User info. Collect	N/A	Yes**
Advertising	Facebook Page Video*, images*	Social media page**, Video**, Web site
Target Customer	Local Business Restaurant B&B Café shop	Chain Store Convention Center/Mall Hotel
Benefits	<ul style="list-style-type: none"> <li>• Easy to use</li> <li>• Offer free &amp; paid marketing tool</li> <li>• Reach more people</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple authentication methods</li> <li>• Support multiple social logins</li> <li>• Multiple type of Advertising</li> <li>• Comprehensive analytics</li> </ul>

\*: Paid service by facebook business

\*\* : Zyxel Hotspot Management integrated 3<sup>rd</sup> party paid service: **Purple Wi-Fi** , **Socifi**

# Table of Contents

- Market Outlook
- Product Introduction
- Why ZyWALL VPN
- Feature Highlights
- **License Service**
- Ordering Information



# ZyWALL VPN Series

## License subscription



Geo Enforcer



Content  
Filtering



Hotspot  
Management



SecuDeployer



AP  
Controller



# Optional Security



Product	Content Filtering	Geo Enforcer
VPN50	1 year 2 years	1 year
VPN100 VPN300	1 year 2 years	1 year

Remark: VPN Series has been bundled with one-year free CF & Geo-Enforcer!

# VPN, Connectivity & Industrial

Product	SSL VPN Tunnels	SecuExtender SSL VPN Client	IPSec VPN Client
<b>VPN50</b>	Add 5 Tunnels Add 10 Tunnels	For 1 client For 5 clients For 10 client	For 1 client For 5 clients For 10 clients For 50 clients
<b>VPN100</b> <b>VPN300</b>	Add 5 Tunnels Add 10 Tunnels Add 50 Tunnels		

Product	Managed APs	Concurrent Device Upgrade	Hotspot Management	SecuDeployer *
<b>VPN50</b>	Add 2 APs Add 4 APs Add 8 APs	---	---	----
<b>VPN100</b>	Add 2 APs Add 4 APs Add 8 APs	100 nodes	1 year / One-time	1 year , 50nodes / 2year , 50 nodes
<b>VPN300</b>	Add 8 APs Add 64 APs	100 nodes 300 nodes		

\* SecuDeployer available by 2018, Q1

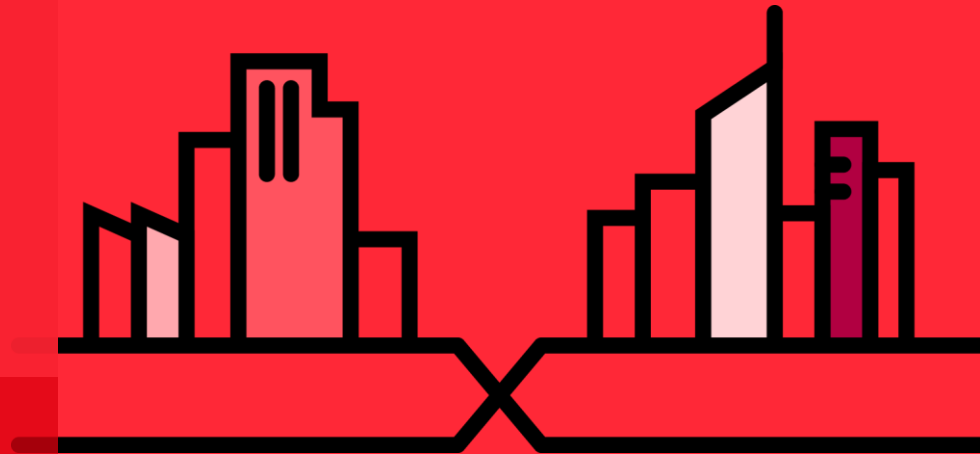
# Accessories

VPN Client Software	Item	Description	Supported OS
	<b>SecuExtender—IPSec VPN Client</b>	IPSec VPN client software for the ZyWALL and USG Series with Easy VPN for zero configuration remote access	<ul style="list-style-type: none"> <li>• Windows XP SP3 (32-bit)</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2008 (32/64-bit)</li> <li>• Windows Vista (32/64-bit)</li> <li>• Windows 7 (32/64-bit)</li> <li>• Windows 8 (32/64-bit)</li> <li>• Windows 10 (32/64-bit)</li> </ul>
	<b>SecuExtender—SSL VPN Client</b>	Secured VPN connection between device and USG/ZyWALL Series with lite setup for Windows and MAC OS	<ul style="list-style-type: none"> <li>• Windows XP SP3 (32-bit)</li> <li>• Windows 7 (32/64-bit)</li> <li>• Windows 8/8.1 (32/64-bit)</li> <li>• Windows 10 (32/64-bit)</li> <li>• MAC OS 10.7 or later</li> </ul>

Service Gateway Printer	Model	Feature	Supported model
	SP350E	<ul style="list-style-type: none"> <li>• Buttons: 3</li> <li>• Paper roll width: 58 (+0/-1) mm</li> <li>• Interface: 10/100 Mbps RJ-45 port</li> <li>• Power input: 12 V DC, 5 A max.</li> <li>• Item dimensions (WxDxH): 176 x 111 x 114 mm (6.93" x 4.37" x 4.49")</li> <li>• Item weight: 0.8 kg (1.76 lb.)</li> </ul>	VPN100 VPN300 ZyWALL 110 ZyWALL 310 ZyWALL 1100 USG2200-VPN USG110/210/310 USG1100/1900 UAG2100/4100

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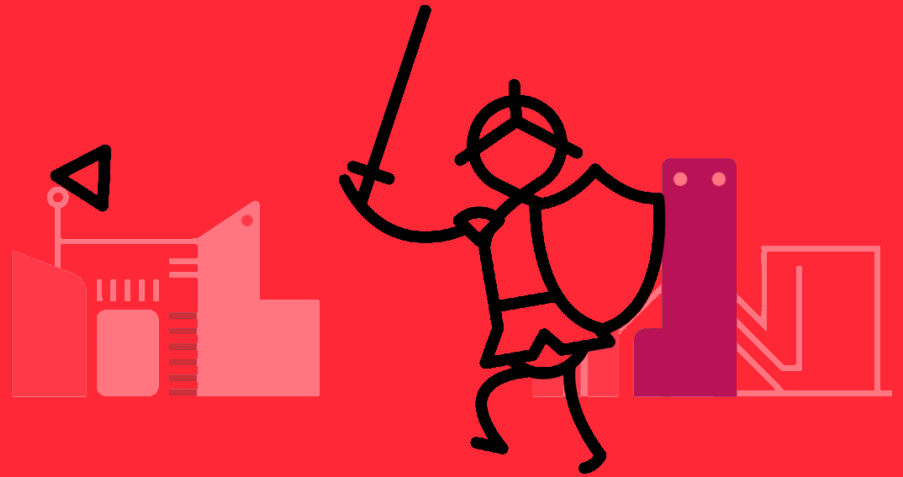
# Ordering Information : VPN Firewall Series

Model	Part Number			EAN EU	UPC US
	EU	US	Russia		
<b>USG20-VPN</b>	USG20-VPN-EU0101F	USG20-VPN-US0102F	USG20-VPN-RU0101F	4718937590865	760559123642
<b>USG20W-VPN</b>	USG20W-VPN-EU0101F	USG20W-VPN-US0102F	USG20W-VPN-RU0101F	4718937590896	760559123659
<b>VPN50</b>	VPN50-EU0101F	VPN50-US0101F	NA	4718937598168	
<b>VPN100</b>	VPN100-EU0101F	VPN100-US0101F	NA	4718937598120	
<b>VPN300</b>	VPN300-EU0101F	VPN300-US0101F	NA	4718937598144	
<b>USG2200-VPN</b>	USG2200-VPN-EU0101F	NA	NA	4718937592142	760559123420

# Ordering Information : ZyWALL Series

Product	Description	Model Name	Part Number			EAN EU	EAN UK
			EU	UK	US		
<b>ZyWALL 110 Firewall/VPN appliance for SB</b>	10/100/1000, 2 WAN, 4 LAN / DMZ ports, 1 OPT port, 2* USB	ZyWALL 110	ZYWALL110-EU0101F	ZYWALL110-GB0101F	ZYWALL110-US0101F	4718937573479	4718937573493
<b>ZyWALL 310 Firewall/VPN appliance for SMB</b>	8 Gigabit user-definable ports, 2* USB	ZyWALL 310	ZYWALL310-EU0101F	NA	ZYWALL310-US0101F	4718937573509	NA
<b>ZyWALL 1100 Firewall/VPN appliance for Mid-large SMB</b>	8 Gigabit user-definable ports, 2* USB	ZyWALL 1100	ZYWALL1100-EU0101F	NA	ZYWALL1100-US0101F	4718937573523	NA

# Appendix A: What's New in ZLD4.30



# Enhanced Network Flexibility

- **FW Recovery Mechanism (ATP/VPN Series only)**
  - Once failure encountered, use another partition to bootup
- **Security Management**
  - Enforce the password complexity for all local accounts
  - Support password expiration for local **admin type** accounts
  - Change Logs Enhancements
- **Geo-Enforcer**
  - Geography control by session, Web Auth, Policy Route, BWM and Inbound Load balancing
- **Routing enhancement**
  - Proxy-arp
  - BGP, BGP over IPSec VTI
  - IGMP proxy over IPSec VTI



# Usability & Service Related

## Usability Focused

- **Remote Assistance**
  - Quickly enabled SSH for remote access if required
- **Speed Test CLI**
- **iOS Provision**
  - Easy setup on iOS devices with their mobile configuration file



## Service Enhancement

- **Device HA Pro**
  - Synchronization Enhancements
    - Dynamic DHCP table
    - IP MAC binding table
  - GUI info for sync up status
  - Active/Passive device status
- **Hotspot Management**
  - Billing Replenish
  - GUI, wordings fine tune

# AP Management

- **APC 3.0 support scope**
  - NXC 4.21
  - NXC 4.22
  - NXC 4.30
  - NXC 5.00
- **Key Enhancements**
  - Zymesh (Independent License)
  - 802.11r
  - AP Forward compatibility
  - AP NVGRE data tunnel
  - WAC5302 AP support
  - Schedule DCS/SSID
  - Add AP information & Station info on GUI

**WAC5302D**



# Max. Managed APs Update

Model	Default Managed APs	Max. Managed APs	Support APs
USG40(W)	2	18	NWA3160-N
USG60(W)	2	18	NWA3560-N
ZyWALL 110/USG110	2	34	NWA3550-N
USG210	2	34	NWA5160N
ZyWALL 310/USG310	2	34	NWA5560-N
ZyWALL 1100/USG1100	2	130	NWA5550-N
USG1900	2	130	NWA5121-NI
USG2200-VPN	2	258→1026	NWA5121-N
			NWA5123-NI
			NWA5301-NJ
VPN50	4	36	NWA5123-AC
VPN100	4	68	WAC6503D-S
VPN300	4	132	WAC6502D-S
VPN1000 Q4'18(TBC)	4	260	WAC6502D-E
			WAC6553D-E
			WAC6103D-I
			WAC5302D-S

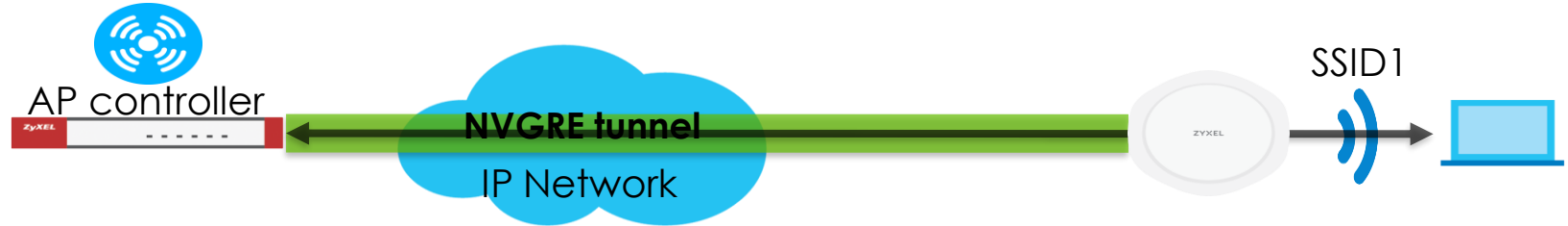
# AP Forward Compatibility

## Time-to-market for new APs support

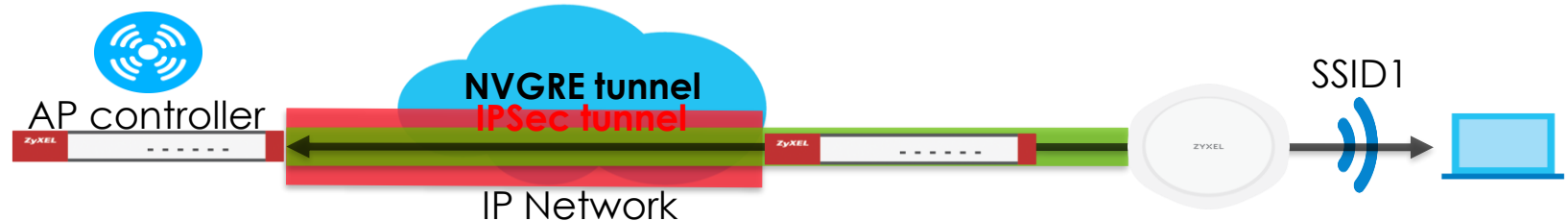
- New compatible APs in 2017- **WAC6303D-S, NWA5123-AC HD**
- Basic features support for compactible APs
  - SSID & VLAN tagging
  - Local bridge mode, no tunnel mode support
  - Security Access control
    - WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise
    - MAC filtering
    - MAC authentication
    - Blocking intra-BSS traffic
  - WMM, Rate limit
  - DCS
  - AP load balance

# Scenario: AP Tunnel Mode

Case 1: AP tunnel to local controller



Case 2: AP tunnel to remote site controller over IPsec



# Appendix B: Comparison Matrix



# Feature Matrix among Series

	Feature	NG USG	VPN	Remark
<b>Security License Service</b>	App Patrol	✓		
	IDP/ADP	✓		
	AV	✓		
	Content Filtering	✓	✓	
	Anti-Spam	✓		
	Web Security			
	Application Protection			
	Geo Enforcer		✓	NG USG GeoIP function is bundled with CF

	Feature	NG USG	VPN	Remark
<b>VPN</b>	IPSec VPN	✓	✓	
	SSL VPN	✓	✓	ATP with fixed qty
<b>Connectivity</b>	AP Controller	✓	✓	VPN supports 4 APs by default and higher max.
	AWS VPC		✓	NG USG/ATP still be able to support by CLIs
	HA Pro	✓	✓	
	SecuDeployer	✓	✓	
<b>Hospitality</b>	Hotspot Management	✓	✓	
	Facebook Wifi	✓	✓	
	Concurrent Device Upgrade	✓	✓	
<b>Others</b>	EZ Mode	✓	✓	



**ZYXEL**

Your Networking Ally