

 Alibaba Cloud

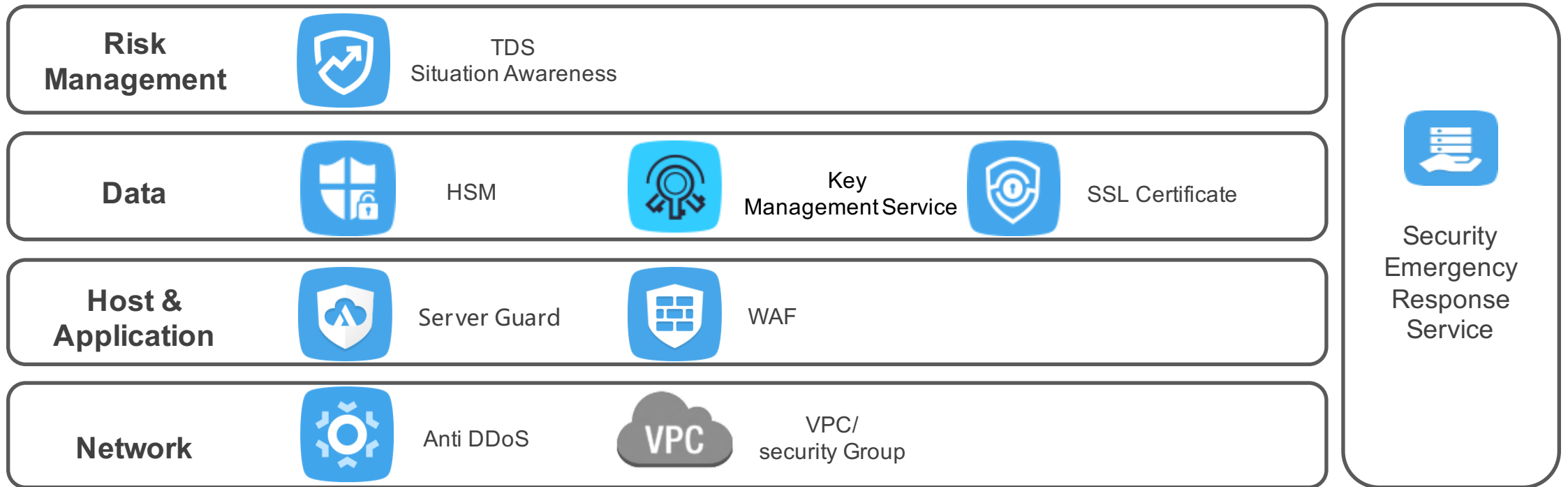
Alibaba Cloud Security Introduction



In Snapshot – 11.11

- GMV: US\$ 30.7B
- Orders: 1.04 B
- Successfully block 1.6 billion Network attacks
- 60.3% payment are made by fingerprint and facial recognition
- Block-chain support 150 million Traceability of genuine

Alibaba Cloud Security overview



Agenda

01 DDoS Mitigation: Anti-DDoS Premium

02 Anti-Bot Using Web Application Firewall (WAF)

03 Alibaba Cloud Web Threat Inspection (WTI)

04 Alibaba Cloud Content Moderation Service

Alibaba Cloud Anti-DDoS Premium Service

Service Includes:



Exclusive IP



Global Near-Source
Scrubbing Centers



Unlimited Traffic
Protection



Insurance Mode for
Basic Service

- Provides exclusive IP resources for services deployed outside China mainland.
- Uses BGP Anycast technology to achieve global near-source scrubbing.
- Paid value-added services to mitigate DDoS attacks.

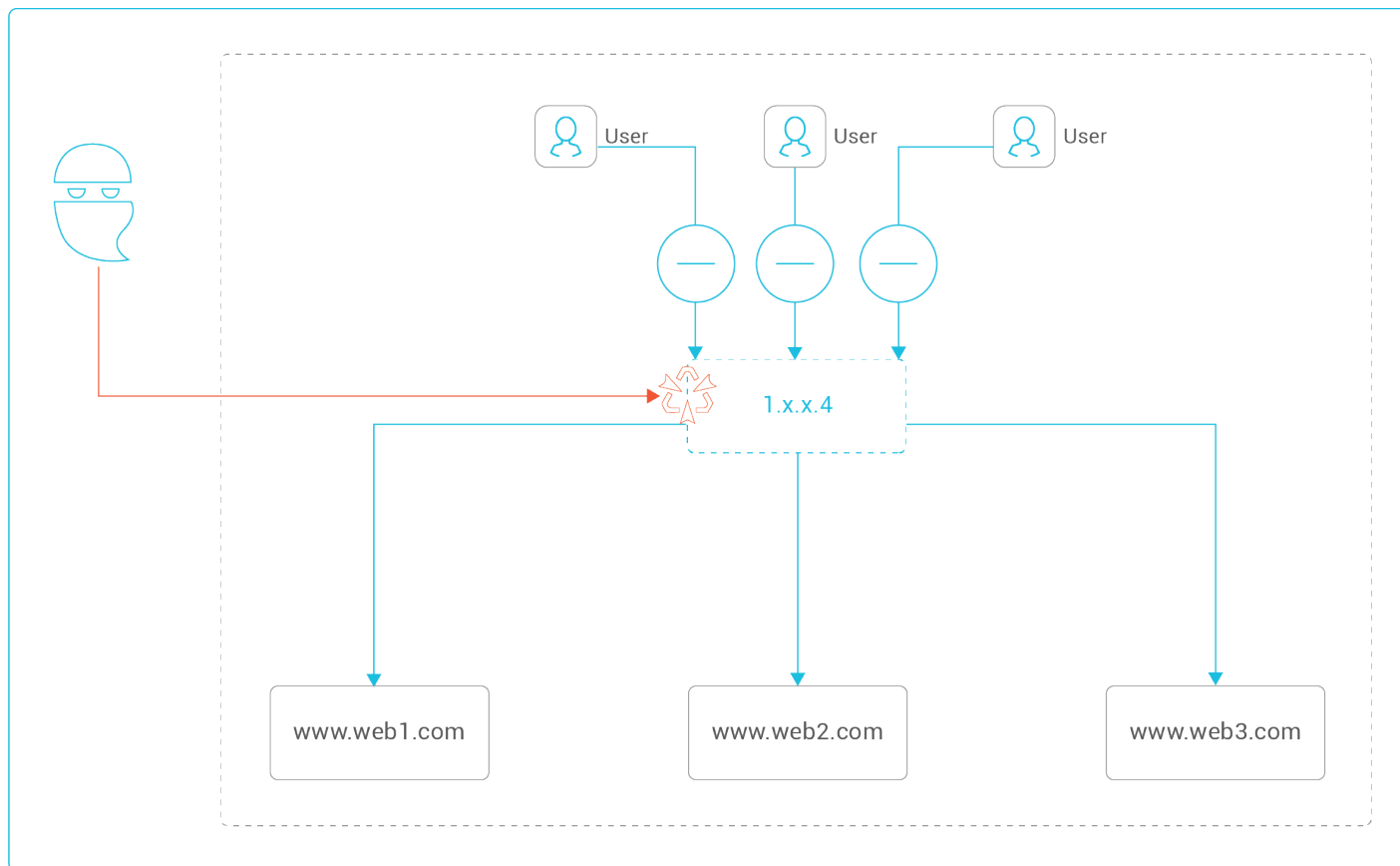
Exclusive IP

In a CDN DDoS Protection, a single IP supports multiple domains.

This IP is blind to Layer 4 DDoS attacks :

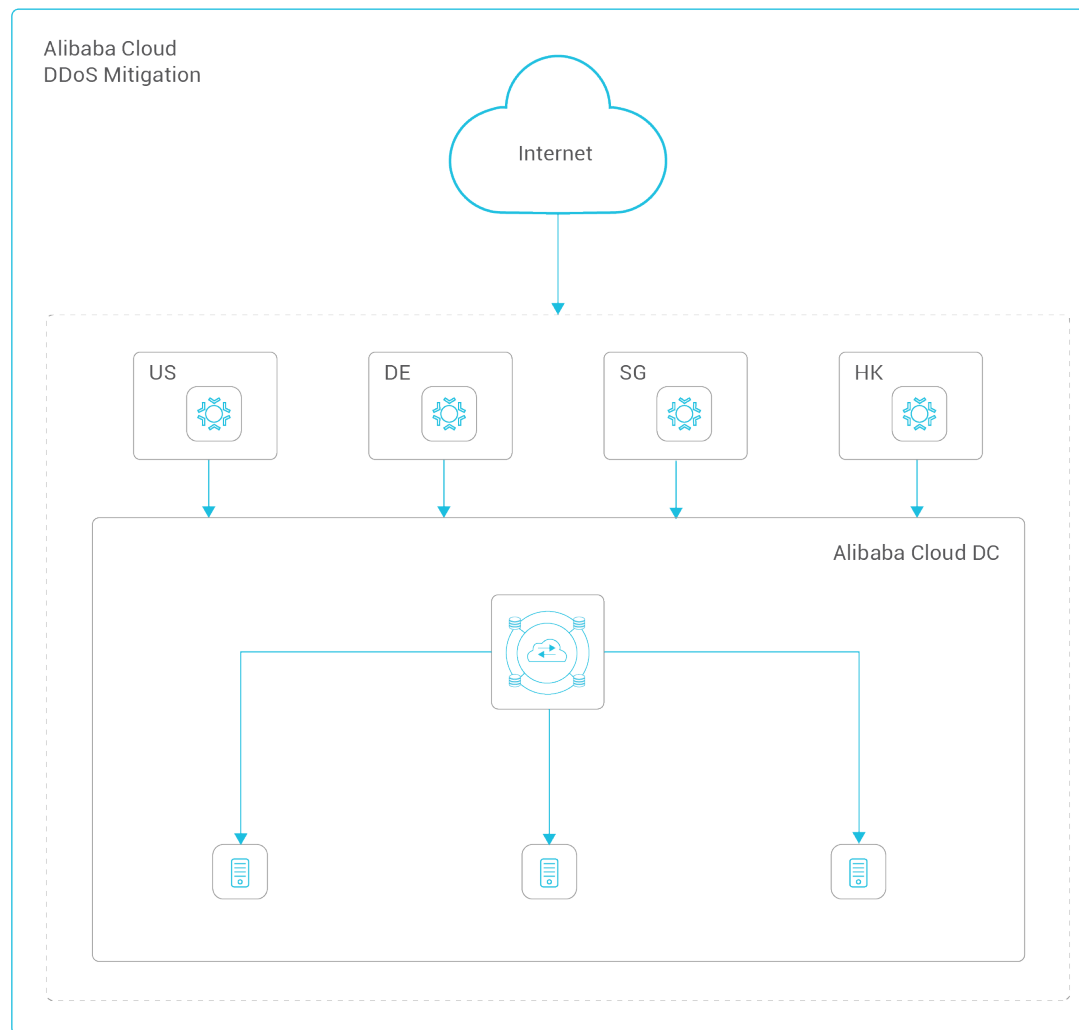
- The service provider does not know which specific domain is the attack's target
- All the domains using the IP suffer from service interruption.

An Exclusive IP prevents this scenario.



Global Near-Source Scrubbing Centers

- 4 Scrubbing Centers, 2Tbps Mitigation Cap
- BGP Announcement
- Anycast Insurance Mode
- High Performance (pps)
- Attack Types Include:
 - SYN/ACK/FIN
 - UDP/DNS
 - NTP/SSDP



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Product - Web Application Firewall

Protects Millions of Websites Worldwide



● Ready

Industrial WAF Solution - Targeted Crawler/ Attack



E-Commerce

Product Price Crawler

Product Lineup Crawler

Low Frequency

OWASP Top 10



OTA

Ticket Pricing

Promotion Abuse

Logical Flaw/ Weakness



Sensitive Information

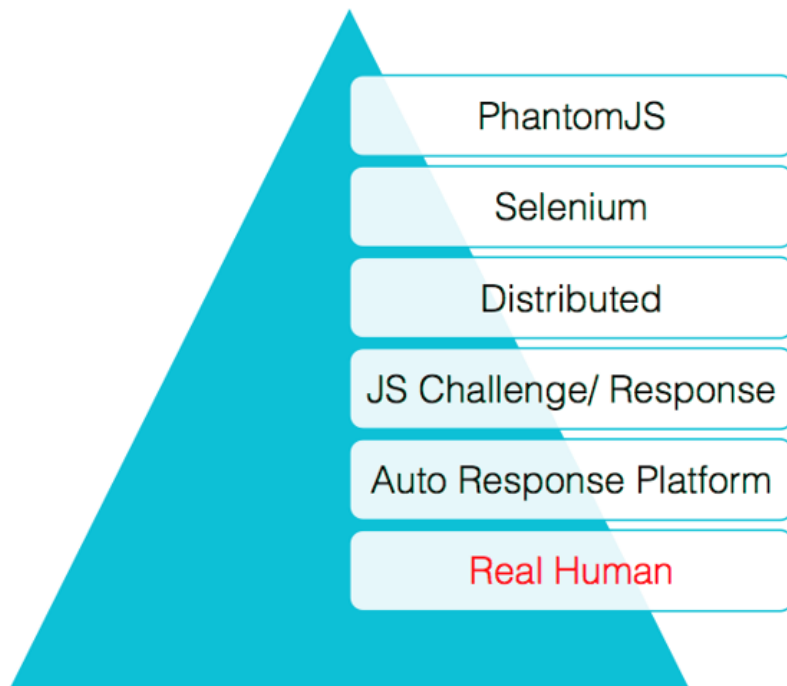
Phone Number

Credit Card Number

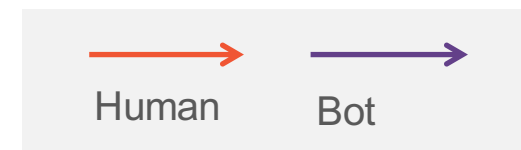
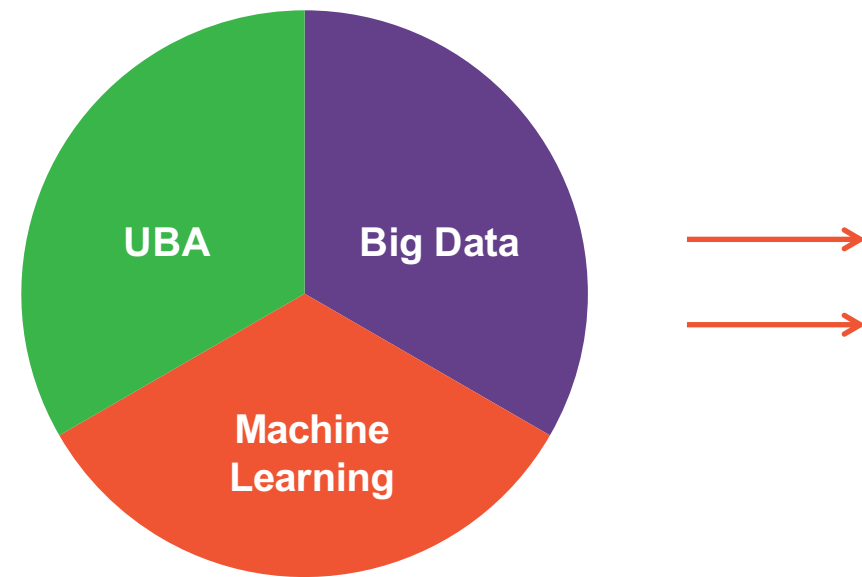
ID

Combat Advanced Bots

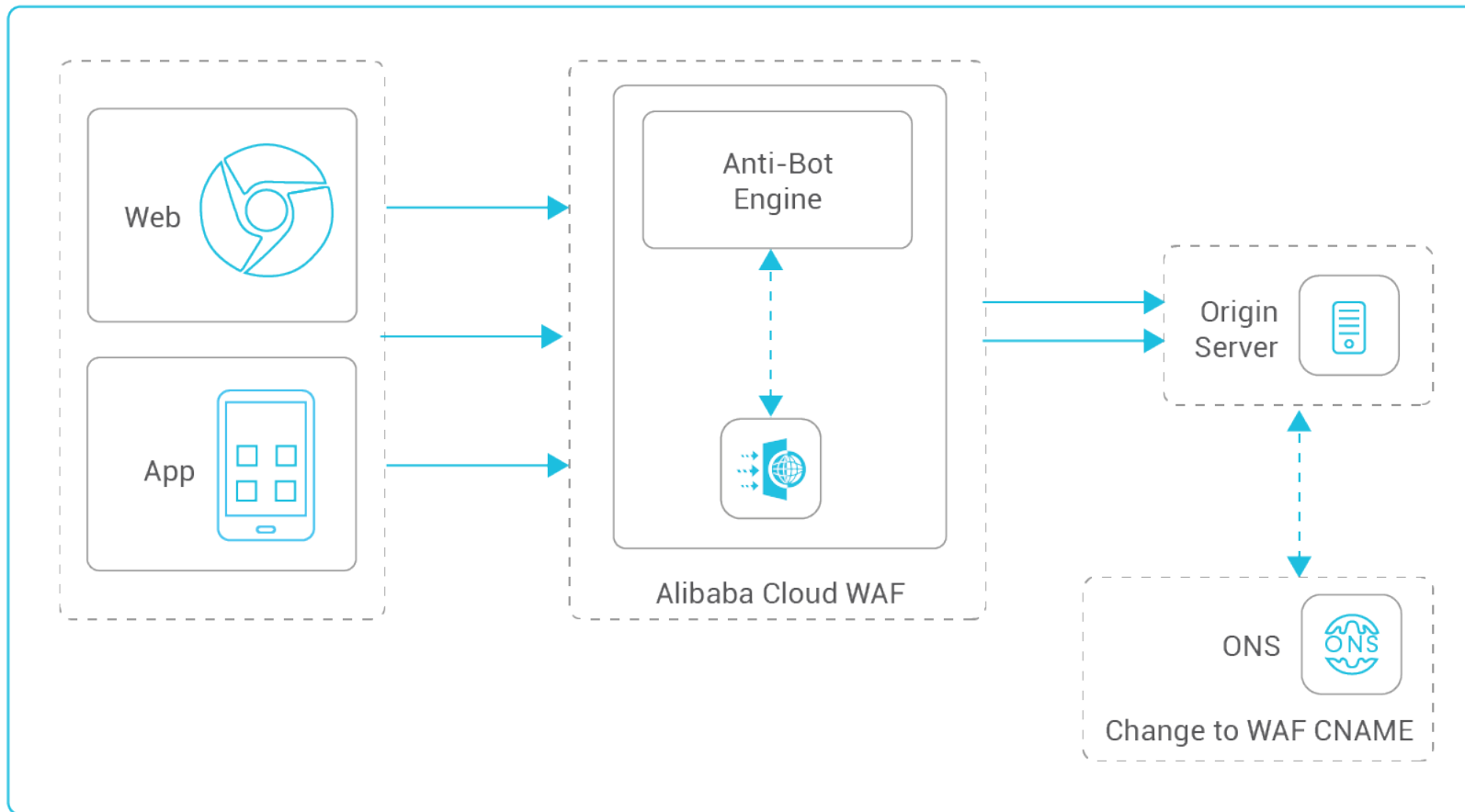
Bot Getting Smarter



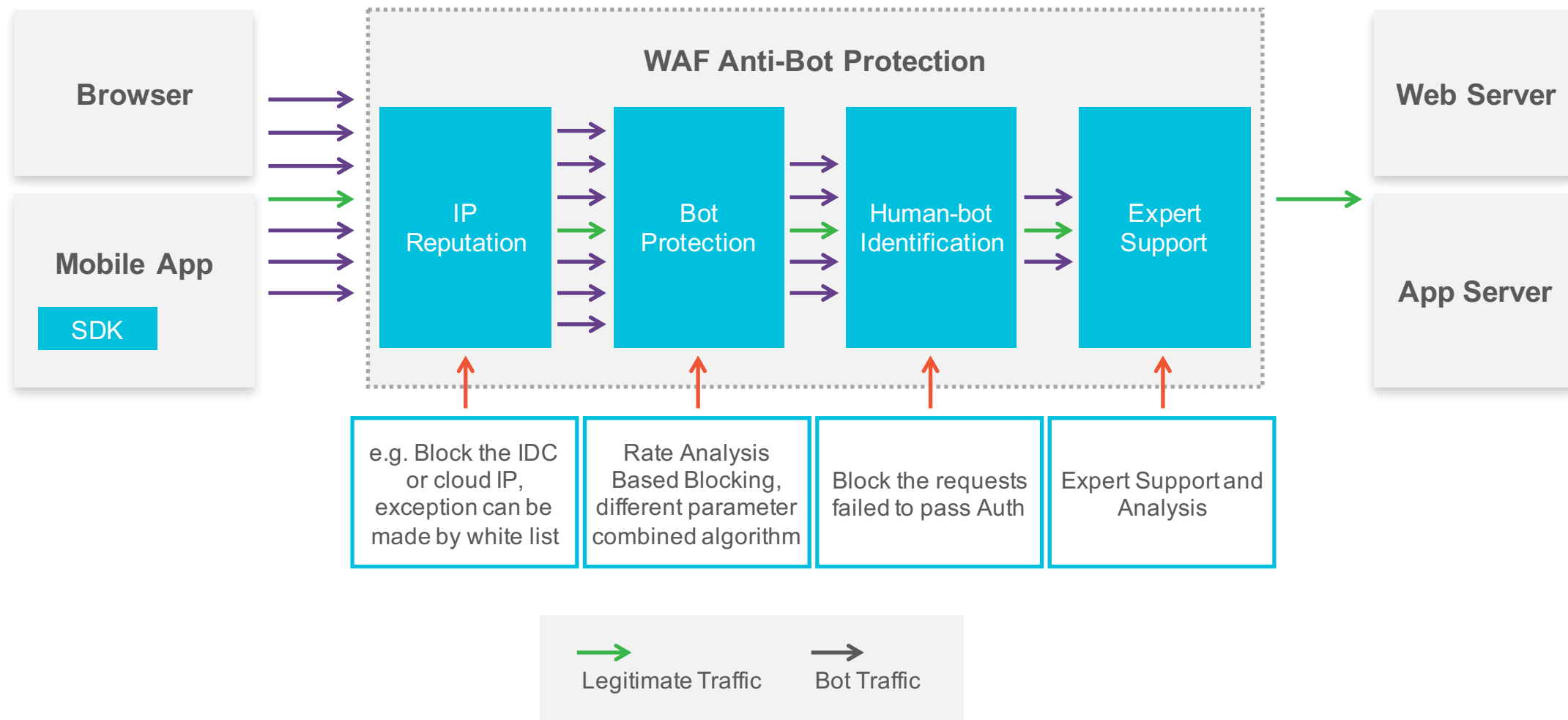
Alibaba Cloud WAF



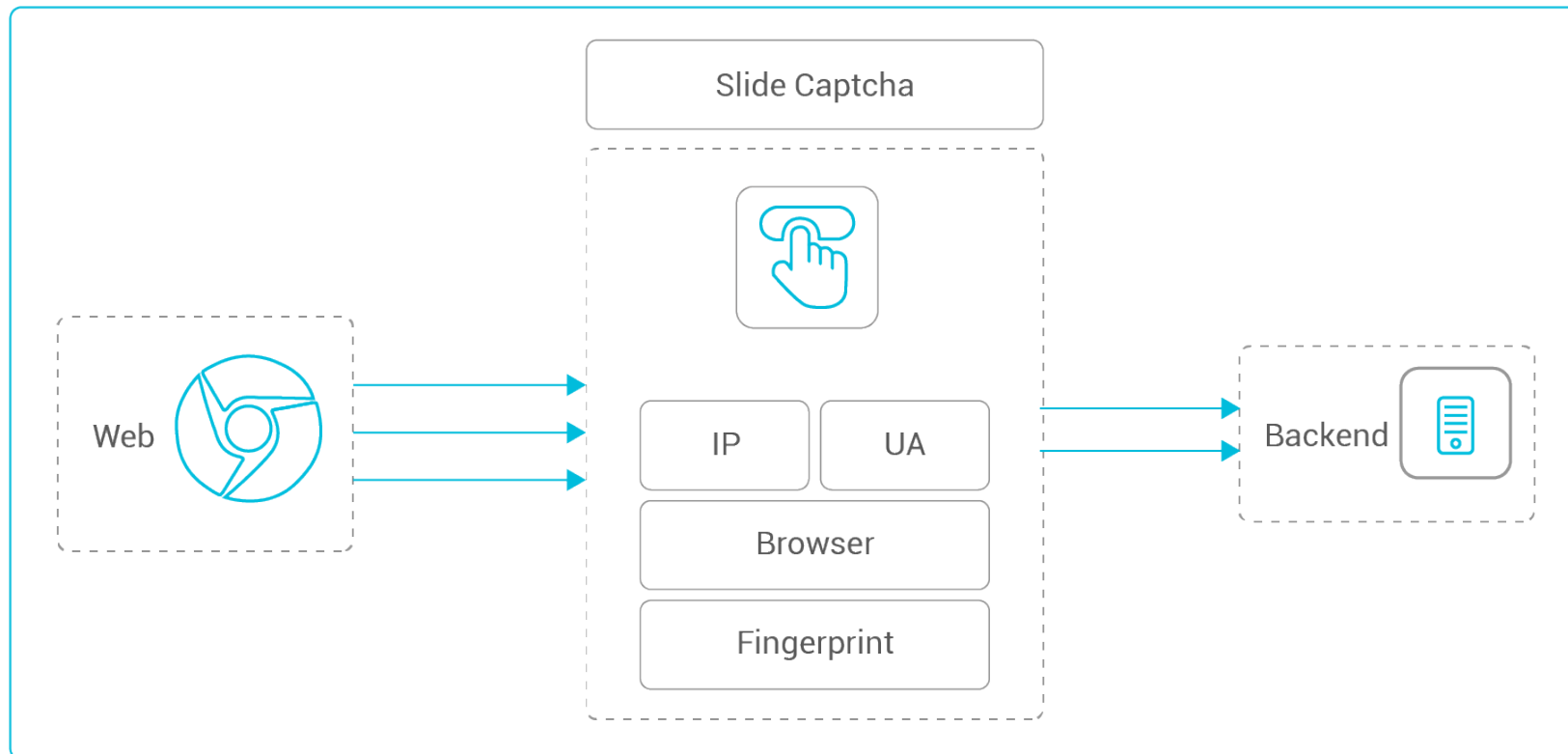
Easy Deployment



How Do We Block Bad Bots?



Human-Bot Identification Captcha



Managed Security Services

Incident Response

- Quick response to 0day attacks
- Attack handling

Training & Consulting

- Product consulting
- Cybersecurity knowledge training

Incident Reporting

- Customized IR

7*24*365 SOC

- All Day reachable
- Professional experts support

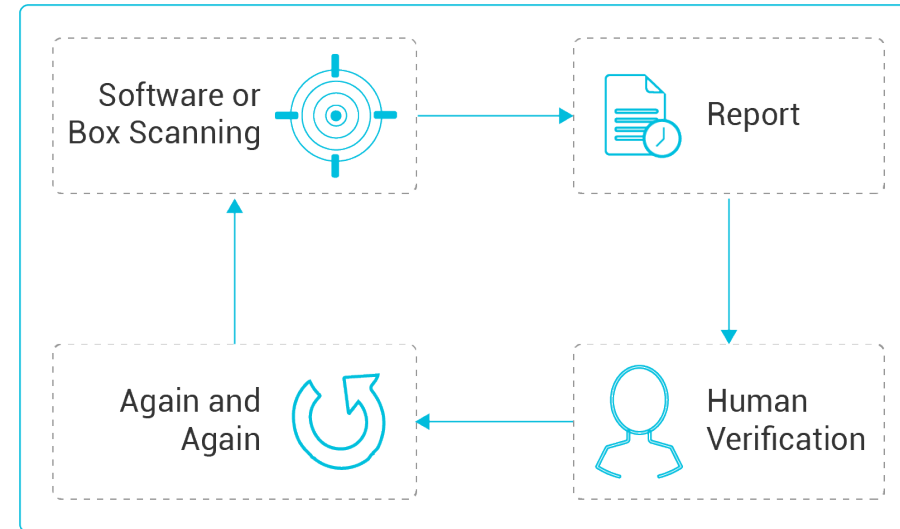
Let Alibaba Cloud be Your
Professional Cybersecurity Safeguard

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Traditional Vulnerability Products Weaknesses

- High False-Positive rate
- Long time (Yearly, quarterly)
- High False-Negative rate
- Too many vulnerabilities for a customer to handle
- Leaves a time window for the hacker to act



The vulnerability repairing period > 100 days vs Hacker attack < 5 days
(Example: WannaCry – 26 days)

The Advantages of WTI



High Performance Scanning Service

The WTI service is based on Alibaba Cloud's architecture and supports **2000** scanning engines.



Strong and Easy IT Resources Discovery Capability

Finds possible penetration paths for domain(s), without an agent or any deployment work.

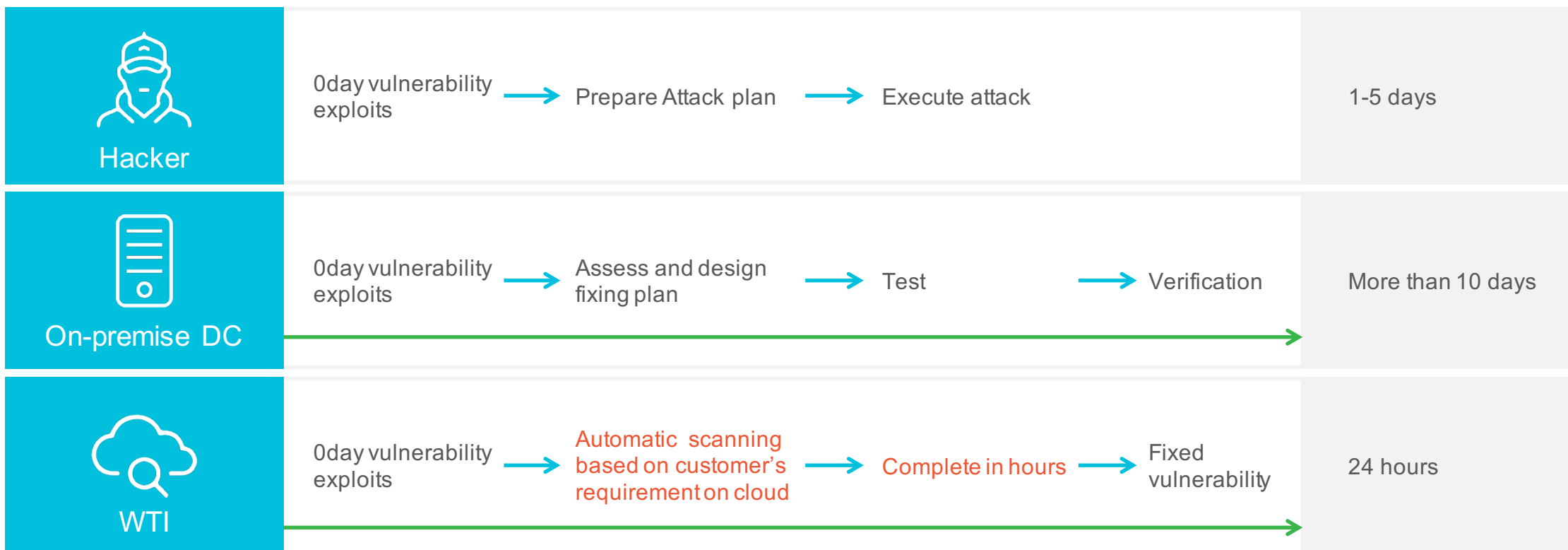


Multiple Vulnerability Verification Methods

low false positive findings on injection, file, redirection.

WTI - Quick and Professional Service to Harden Customer's System

0 Day Vulnerability Response is a Race:



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Information Compliance- Content Moderation

Highlighted Feature



1. Multi-Layer
Filtering



2. Variety
Detection



3. Anti-SPAM



4. Adult/Violence/
Inappropriate Content
Identification from Picture
, Text, Video



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