

Under the Hood of "On and Off-Premises" DDoS Mitigation Solutions

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Our Dos World is Complex

Growing



Diverse



Anyone



Global





Business



Agenda

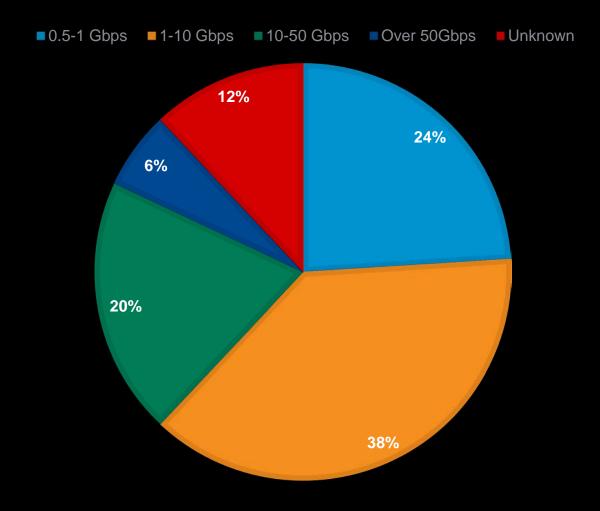


War tactics

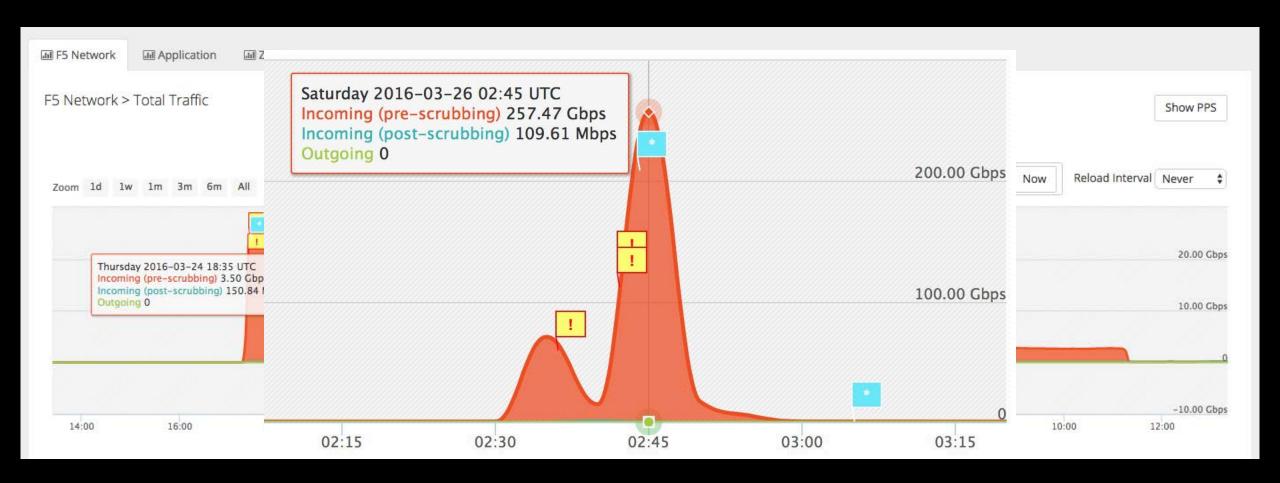


Fun

Attack Size



F5 Silverline – Latest Mitigations



"DDoS is becoming normal"

"How to address DDoS?"

F5 Presents: A complete and layered architecture to mitigate DDoS

Effective DDoS Mitigation Architecture Capabilities

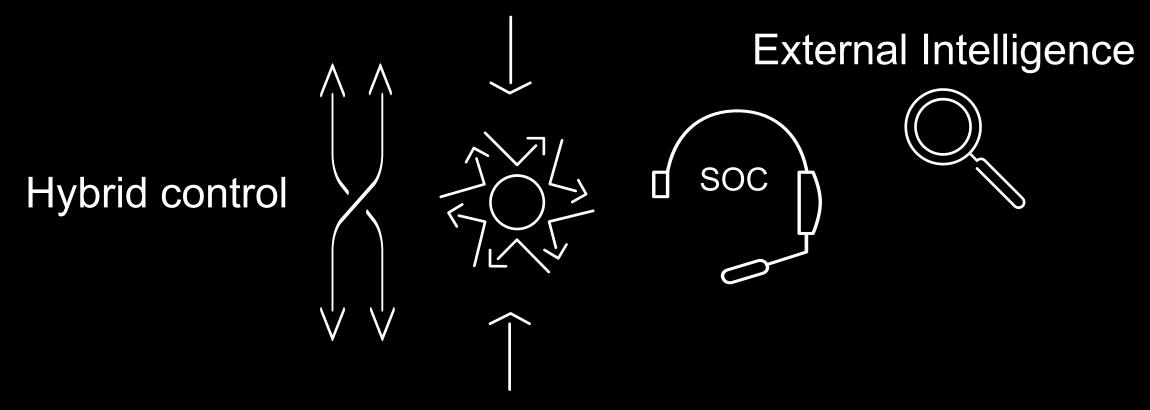
Complete Global

Agile Visible

Innovative Expertise

Building Blocks of DDoS Mitigation

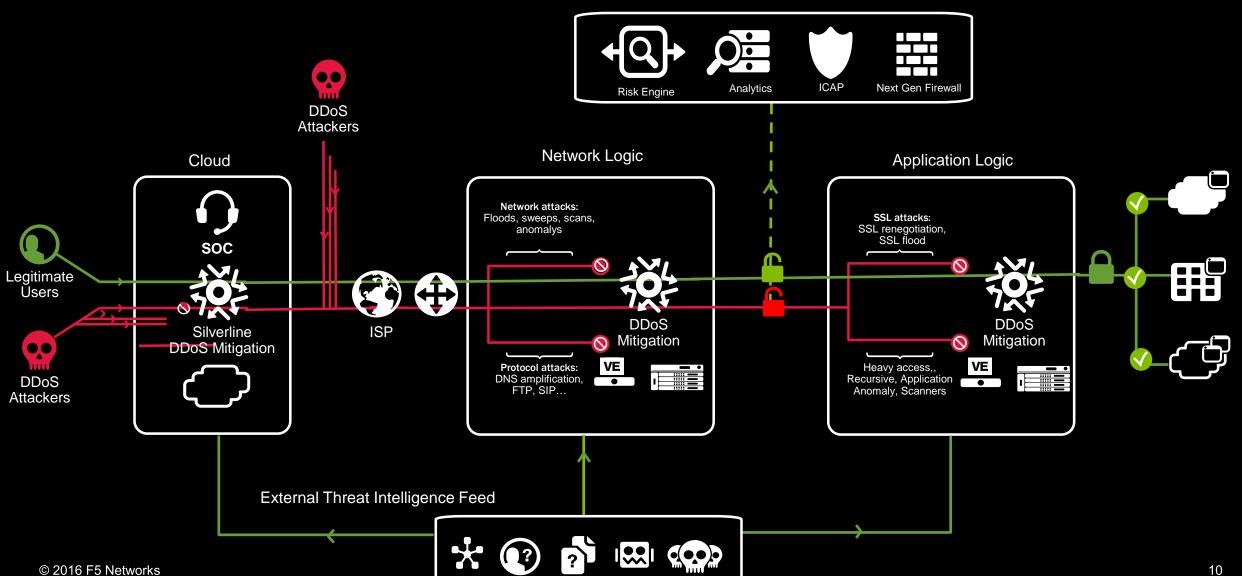
Off-premises scrubbing



On-premises mitigation

F5 Complete Layered DDoS Mitigation Architecture

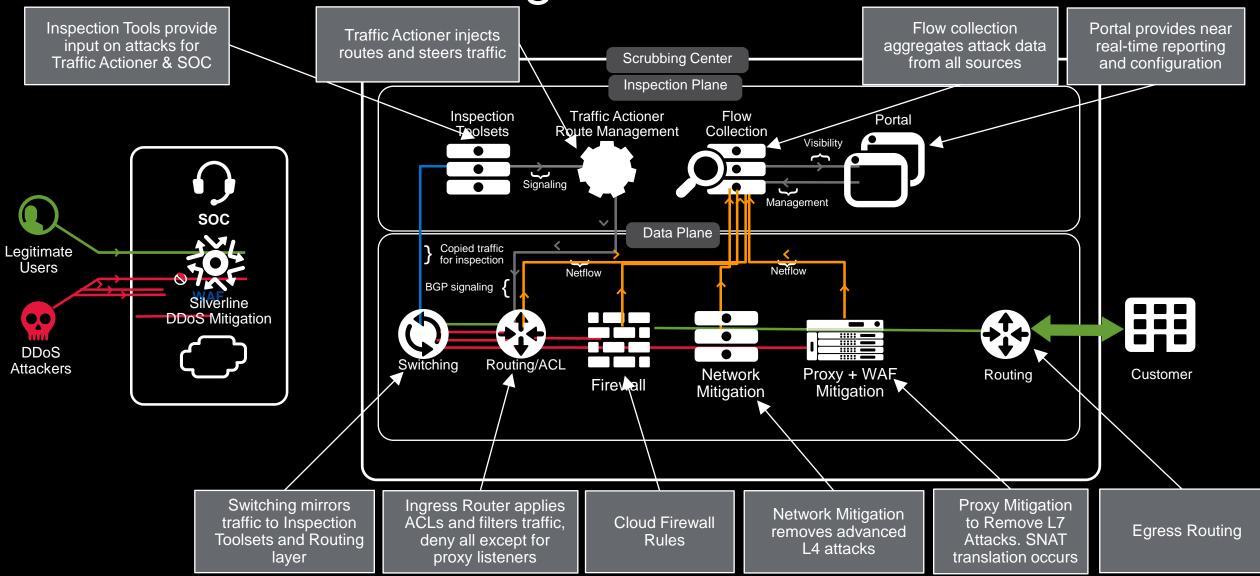
SSLi Interception Zone



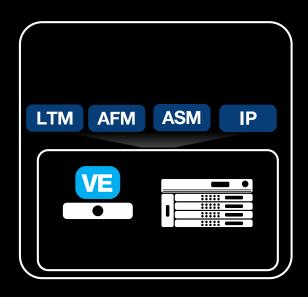
WW SOC and Scrubbing Coverage



F5 Cloud – Scrubbing Center Drill Down



On-Premises Drill Down



120+ DDoS vectors mitigation Sweep, Scans, Protocol validation HW/SW mitigation IP Shunning RTBH Firewall Device ID tracking

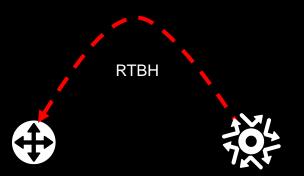
Proactive BOT defense
IP threat intelligence
BOT detection
Scraping protection
Behavioral analysis
Anomaly detection
Heavy URL
SSL DDoS protection

Programmability!

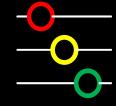


12.1 Introduced

BGP Black-Hole DoS protection (RTBH)



Automatic DDoS vectors thresholds



Behavioral analysis DDoS (BADOS)



F5 Introduces: Behavioral DDoS Analysis

Why BADOS?

Today

Configuration

Tune and maintain

Impact leads to mitigate

React to 0-day

Static – automatic

Impacts the good

Uses wisdom of IT

BADOS

Hands free

Unsupervised

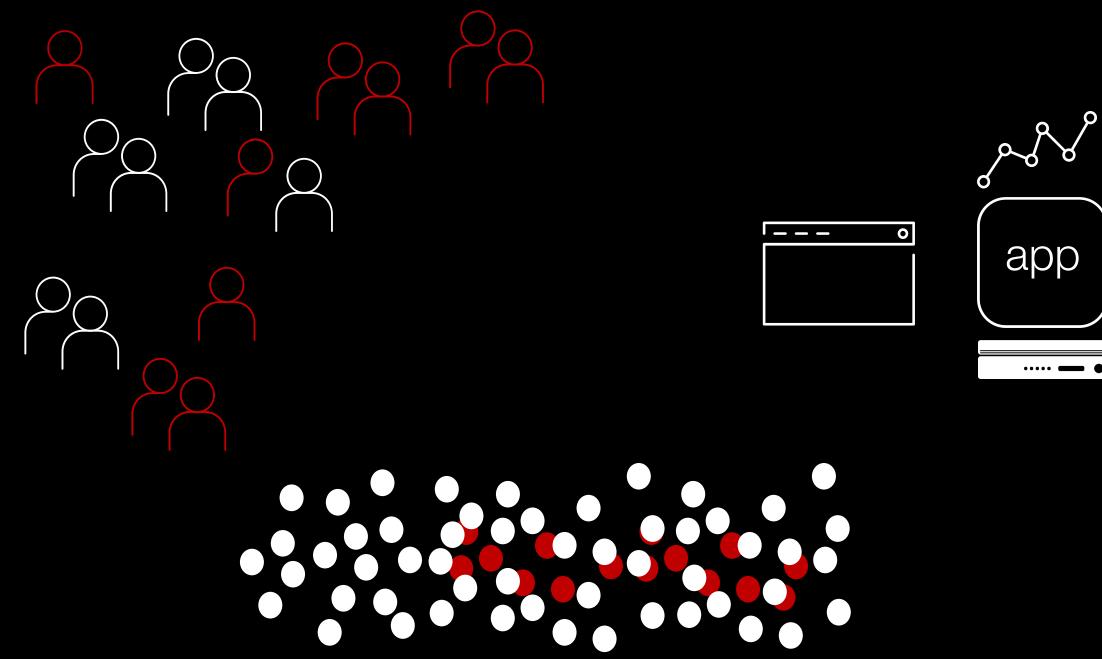
Predictive

0-day capable

Improves with time

Minimal impact on good guys

Uses wisdom of the crowd



BADOS

3 modes of detection and prevention

Aggressive

+ proactive mitigation until health is restored

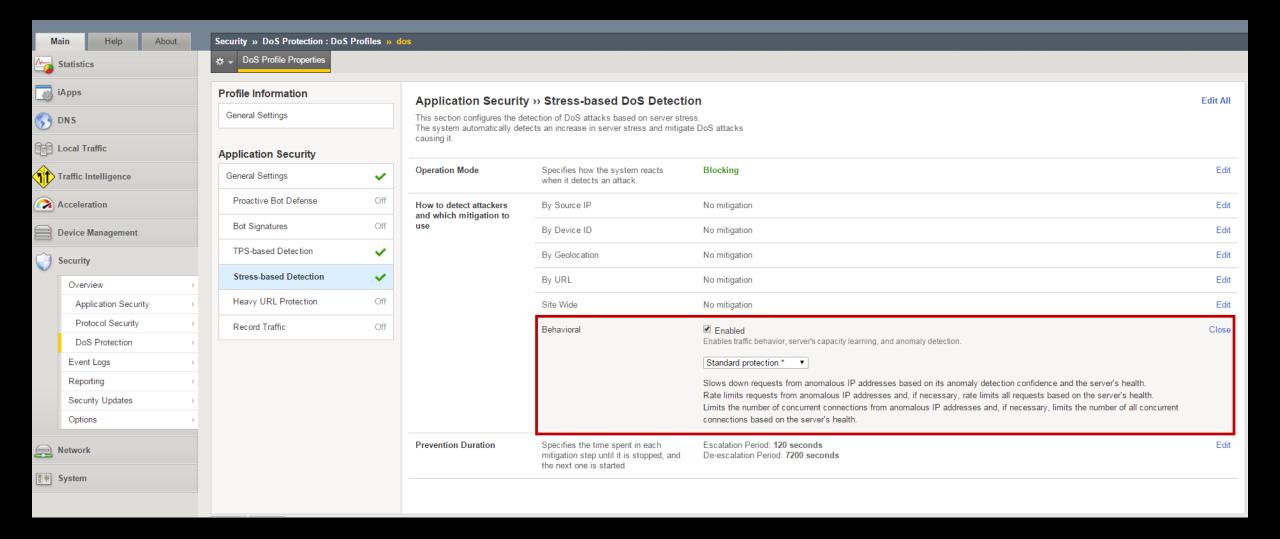
Standard

+ limit all requests based on servers health

Conservative

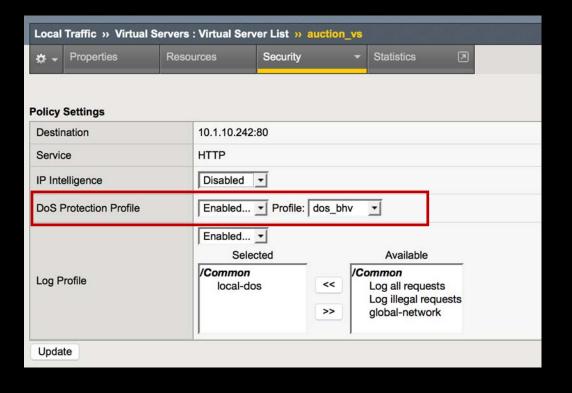
Slow down & rate shape bad actors

BADOS configuration Step 1



BADOS configuration Step 2

Apply to an application (Virtual server profile)



DEMO





Q&A



SOLUTIONS FOR AN APPLICATION WORLD