

DDoS DETECTION AND DEFENSE

KEY CAPABILITIES

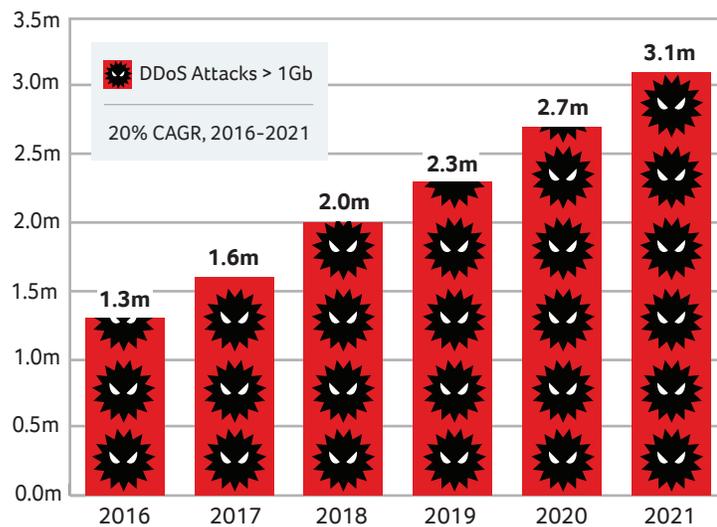
- Accurate and flexible anomaly and DDoS detection
- Integrated automation with leading mitigation providers like Radware and A10, and RTBH support
- Powerful, ad-hoc forensic analytics on months to years of granular network traffic details
- Easy integration via APIs

KEY BENEFITS

- Eliminate false positives and negatives
- Enable turn-key, vendor-neutral protection
- Provide a single platform for attack detection, mitigation, and investigation
- Enable service providers to create and differentiate “clean pipe” services

DDoS attacks continue to hit the front lines of network security. It’s an asymmetrical war against a growing IoT army, where \$30 attacks can cost companies thousands, or be a smokescreen for something worse. False positives prevent automatic mitigation, while missed attacks cause costly application and service disruption. Legacy tools leave you guessing, without deep network details or real-time forensic visibility. As threats escalate, manual intervention bogs down your best engineers, but the hard truth is you can’t stop what you can’t see.

GLOBAL DDoS ATTACKS FORECAST



Figures (n) refer to 2016, 2021 traffic shares.
Source: Cisco VNI Global IP Traffic Forecast, 2016-2021.

Kentik’s network traffic intelligence platform delivers the industry’s most accurate and automated DDoS detection and triggering, while giving security and operations teams a full forensic capability across months of raw data.

DDoS DETECTION AND DEFENSE

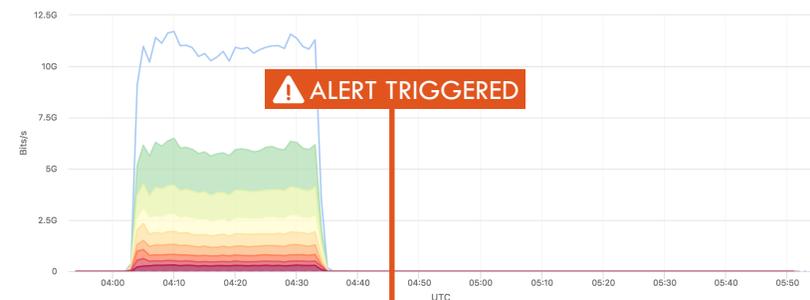
KENTIK CUSTOMER SUCCESS

“Kentik is a game-changer for network operations. Since deploying Kentik’s big data-based detection and automated triggering of our Radware mitigation platform in May of this year, we have seen an over 30 percent improvement in catching and stopping DDoS attacks. Kentik helps us deliver better service to our customers, and has freed our engineers from constant firefighting so they can focus on projects that will move us forward.”

-Brian Mengel, CTO, PenTeleData



Top Source Country by Max Bits/s



| key | Avg Mb/sec | 95th Percentile | Max Mb/sec | Last Datapoint |
|-------------------------------|----------------|-----------------|------------|----------------|
| Total | 2,796.54 | 11,209.20 | 11,697.18 | <0.01 |
| Historical Total: 7 days back | 0.03 | 0.11 | 0.18 | 0.02 |
| RU | 520.54 (18.6%) | 2,106.23 | 2,302.20 | <0.01 |
| US | 344.87 (12.3%) | 1,383.47 | 1,415.66 | <0.01 |
| UA | 190.10 (6.8%) | 786.17 | 830.09 | <0.01 |

| Policy / State | Key/Dimension | Severity | Value | Baseline/Fallback | MR ID / Alarm ID | Timestamp (UTC) * | Comment |
|---|--|-----------------------------|---------------------------------------|---------------------------|----------------------------|-------------------------------|---------|
| Src interface nearin... ACK_REQ -> ALARM | InterfaceID_src: 10g transit to Level... i_device_id: gateway_nyc_coast_net | critical Matches: 19 | 9,724.24 Mbps | 0.00 Mbps NO_USE,... | MID: N/A AID: 2883471 | 2017-04-30 00:48 LM:0 DM:0 | |
| Mitigation END_GRACE -> CLEAR | 192.168.161.225/32 192.168.161.225 | RadwareL_PAL Generic_UDP | Mitigation Args | | MID: 93519 AID: N/A | 2017-04-30 00:43 LM:0 DM:0 | |
| UDP_HIGHBPS ALARM -> ACK_REQ | IP_dst: 192.168.243.60 | critical Matches: 8 | 12,109.90 Mbps 1,231 unique_src_ip | 100.00 Mbps DEFAULT... | MID: 93531 AID: 2883309 | 2017-04-30 00:40 LM:0 DM:0 | |
| Mitigation MITIGATING -> END_GRACE | 192.168.243.60/32 192.168.243.60 | RadwareL_PAL Generic_UDP | N/A | | MID: 93531 AID: N/A | 2017-04-30 00:40 LM:0 DM:0 | |
| UDP_BADPORTS ALARM -> CLEAR | IP_dst: 192.168.243.60 | major Matches: 10 | 11,790.90 Mbps 488 unique_src_ip | 0.00 Mbps NO_USE,... | MID: 93531 AID: 2883285 | 2017-04-30 00:40 LM:0 DM:0 | |
| BIG_PPS ALARM -> ACK_REQ | IP_dst: 192.168.243.60 Proto: UDP (17) | major Matches: 1 | 1,414.87 kpps | 700.00 kpps LOWEST... | MID: 93531 AID: 2883303 | 2017-04-30 00:34 LM:0 DM:0 | |

ABOUT KENTIK | Kentik is the network traffic intelligence company. Kentik turns network traffic – billions of digital footprints – into real-time intelligence for both business and technical operations. Network operators, engineers, and security teams use Kentik to manage and optimize the performance, security, and potential of their networks and their business. To learn more about Kentik and its award-winning solutions, visit www.kentik.com.