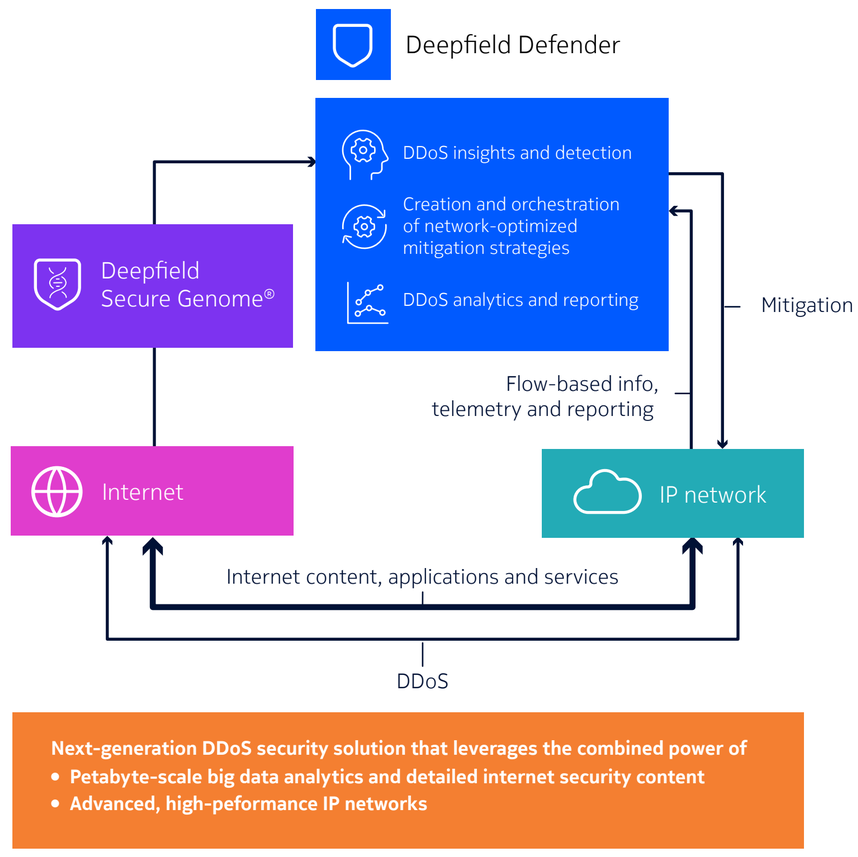
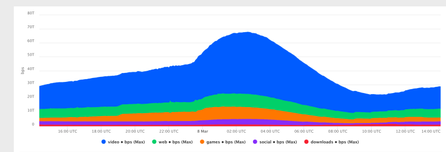
Nokia Deepfield DDoS security solution

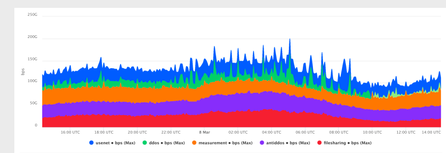


Next-generation DDoS security solution that leverages the combined power of
- **Petabyte-scale big data analytics and detailed internet security content**
- **Advanced, high-peformance IP networks**

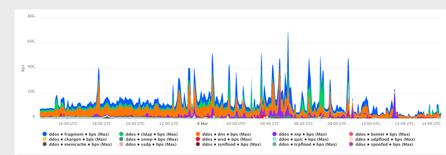
Accurately detect and surgically mitigate DDoS threats and attacks



Get a holistic view on all network traffic…



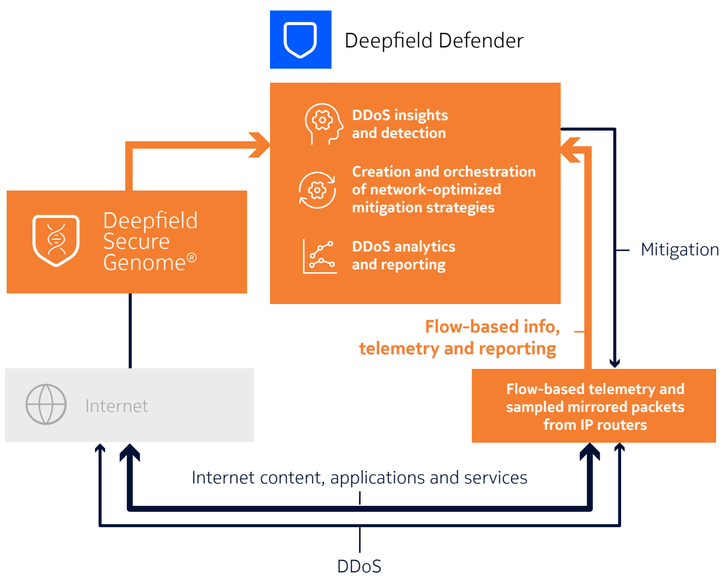
Detect DDoS activity in your network – inbound and outbound

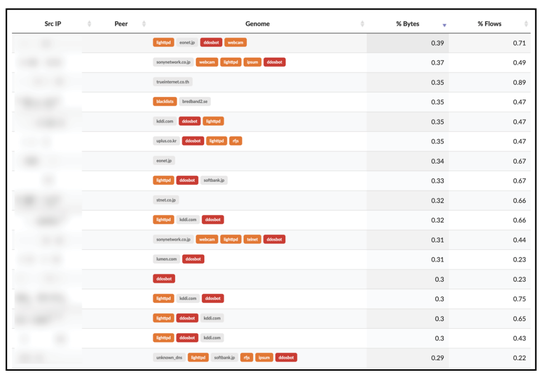


Decompose DDoS attacks by vectors to optimize your network defense

Automated mitigation in <30 seconds

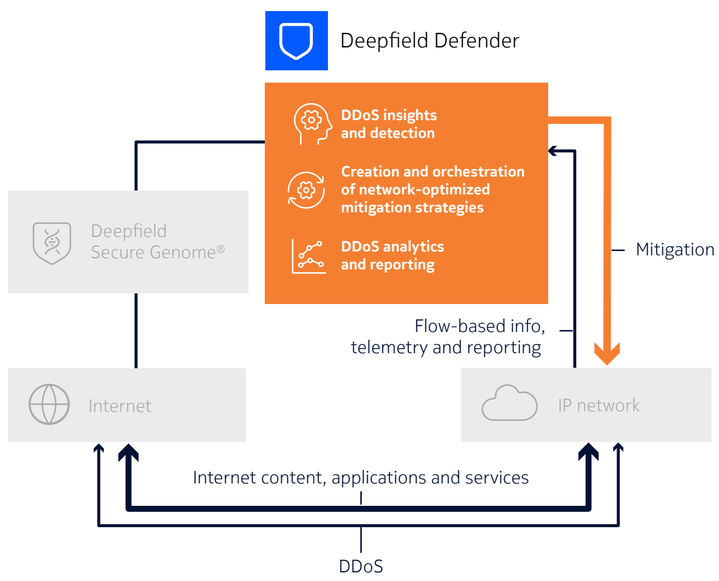
Fast and accurate detection

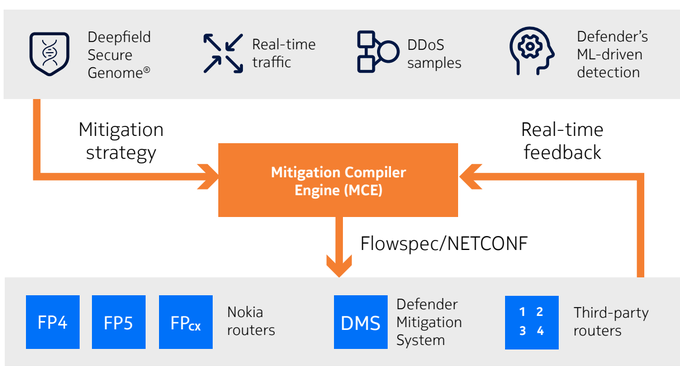




Deepfield Secure Genome®
Knowledge and up-to-date visibility into billions of IPv4 and IPv6 addresses on the internet
- DDoS vectors and details
- Known/open reflectors
- Botnets
- Booter and spoofed fingerprints
- Server software
- IoT device type details

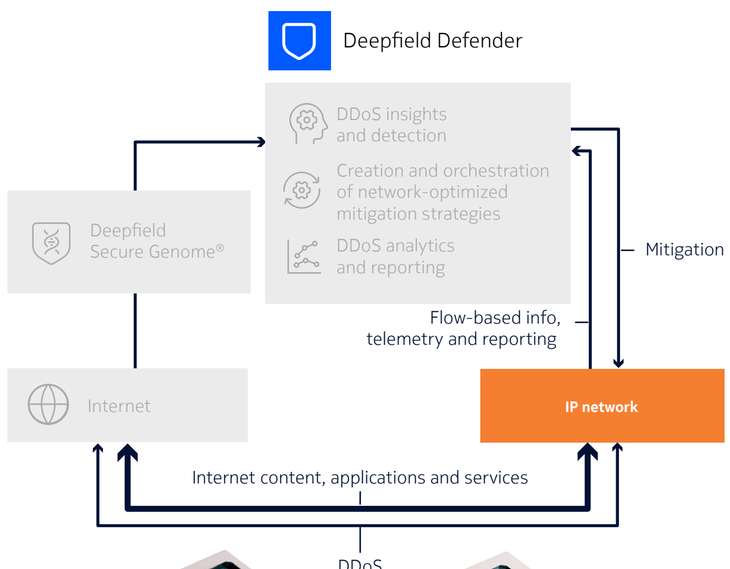
AI/ML for network-optimized mitigation strategy

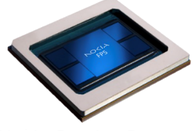




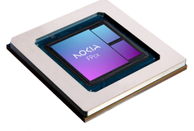
Mitigation Compiler Engine
- Advanced AI/ML-based system for automatic generation of optimized mitigation strategies for complex DDoS attacks
- Trained on thousands of real-world DDoS attack samples
- Effective against well-known and emerging DDoS vectors

Network-based mitigation





Nokia Service Routers with FP4/FP5 processor



Nokia Service Interconnect Routers with FPcx processor

Secure-by-design: DDoS protection built into every router
- Market-disruptive scale and speed of detection and mitigation for complex DDoS attacks (e.g., botnets)
- Terabit-speed DDoS defense
- IP silicon advantage over more expensive FPGAs

7750 Defender Mitigation System (7750 DMS-1-24D)

New, purpose-built DDoS mitigation appliance
- Industry-leading scalability and cost efficiency
- FP5-based, 2.8 Tb/s 2RU system
- Optimized OS for DDoS mitigation
- Blocks all well-known and emerging DDoS
- Field-expandable for next-generation and future attacks

Select third-party routers

Embrace a paradigm shift in DDoS protection with Nokia Deepfield Defender

- Enable 360-degree protection for the whole network, all services and users
- Detect and mitigate all modern (e.g., botnet DDoS) and future threats and attacks in less than 30 seconds
- Automate your defense and extend your protection to many more customers
- Offer managed security services to your customers

Learn more:
https://www.nokia.com/networks/ip-networks/deepfield/defender/

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