

Precision AI Network Security Bundle

Addressing Multiple Security Challenges with a Single Solution

As the threat surface expands, adversaries employ many AI tools, enabling them to innovate their attacks and making it more challenging for traditional security solutions to detect and protect. These challenges must be addressed with an end-to-end comprehensive security solution that provides visibility and protection against dynamic threats across multiple attack vectors and automation that can keep up with a fast-paced, AI-assisted malicious exploit environment. To stay one step ahead of threats, network security teams must implement advanced solutions that help prevent attacks at each stage of the attack lifecycle.

Modernize Your Network Security with Precision AI

Leverage AI-Powered Security Services

Precision AI™ by Palo Alto Networks is our proprietary AI system that helps security teams trust outcomes by using rich data and security-specific models to automate detection, prevention, and remediation with industry-leading accuracy.

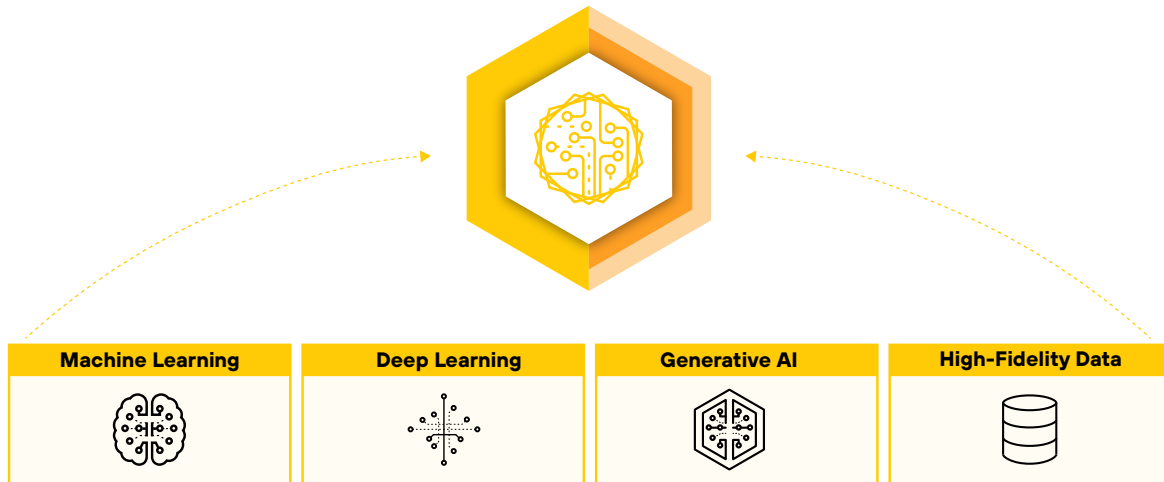


Figure 1: Precision AI

Precision AI incorporates the best of our AI capabilities, including machine learning, deep learning, generative AI, and more.

Machine Learning

Machine learning allows us to more accurately and automatically predict, prevent, and remediate security problems, using precise data as input to predict novel situations.

Deep Learning

Deep learning helps us build predictive models to anticipate and detect security issues in real time by learning from massive amounts of security data.

Generative AI

GenAI enables our tools to “speak human” so we can summarize large volumes of threat intelligence, which we then deliver through copilots.

Improved Accuracy Using High-Fidelity Data

Models continuously train on rich threat data from 70,000 customers and AI-driven threats to identify advanced, evasive, and never-before-seen threats.

Threat Detection and Prevention in Real Time

Analyze real network traffic inline and instantly stop known, unknown, and highly evasive threats to prevent patient zero.

Consistent Delivery Everywhere

Deliver comprehensive and real-time protection consistently via a robust global infrastructure.

Precision AI Network Security Bundle

Powered by Precision AI

Precision AI powers our advanced security solutions in the Precision AI Network Security Bundle. Our best-in-class advanced security subscriptions offer a comprehensive defense-in-depth solution bundled within a single SKU that provides intrusion prevention system (IPS), malware detection and prevention, URL filtering, and DNS protection. These integrated solutions provide a robust shield, aiding organizations in securing their network against advanced threats at each stage of the attack lifecycle. This approach ensures organizations significantly reduce their attack surface across multiple threat vectors by fully leveraging the effectiveness of our best-in-class solutions.

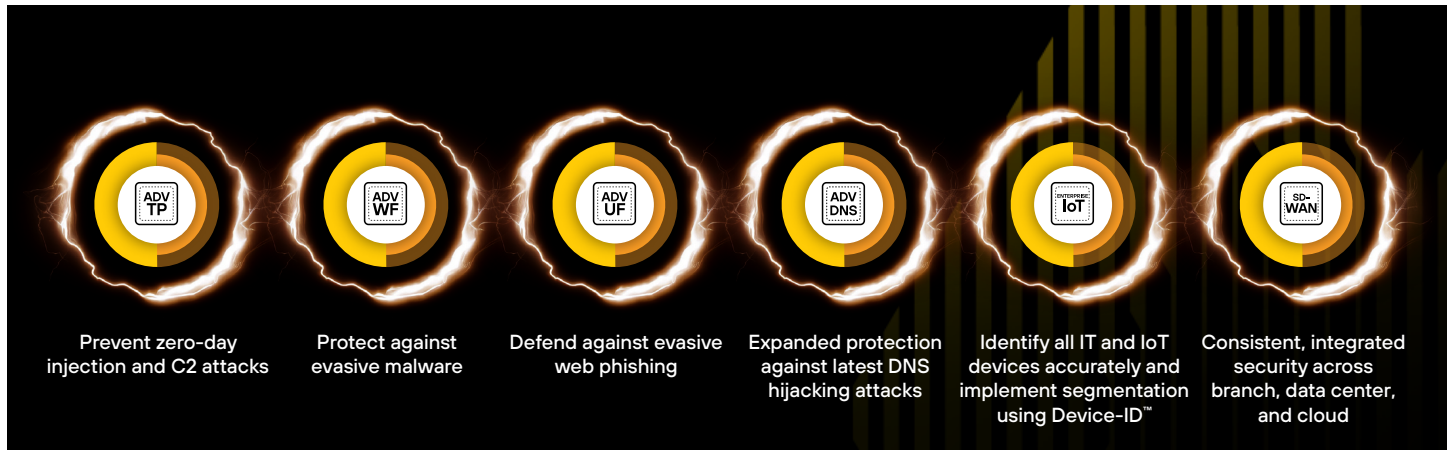


Figure 2: Precision AI-powered security across every stage of the attack lifecycle

Defense-in-Depth Cloud-Delivered Security Services

Prevent Attacks at Each Stage of the Attack Lifecycle

Advanced Threat Prevention (ATP)

Stop known and unknown exploits, malware, spyware, command-and-control (C2) threats, and never-before-seen zero-day attacks. Our Advanced Threat Prevention solution stops 60% more zero-day injection attacks and 48% more highly evasive command-and-control traffic than traditional IPS solutions.

Advanced WildFire (AWF)

Ensure safe access to files with the industry's largest malware prevention engine, blocking 26% more evasive malware and turning detection into prevention 60X faster than our nearest competitor.

Advanced URL Filtering (AURL)

Stop up to 88% of malicious URLs at least 48 hours before competitors. Ensure safe access to the web and prevent 40% more threats in real time than traditional filtering databases with the industry's first prevention of known and unknown phishing attacks.

Advanced DNS Security (ADNS)

Protect your DNS traffic and stop advanced DNS-layer threats, including DNS hijacking, all in real time, with 2X more DNS-layer threat coverage than competitors.

SD-WAN

SD-WAN for NGFW delivers consistent security with optimized performance for all applications while simplifying branch onboarding

Enterprise IoT Security (Optional Add-On for a Limited Time)

Eliminate blind spots on your network and protect every connected device with the industry's most comprehensive solution for IoT/OT/IoMT/IT and unmanaged *device visibility*, with 90% of devices discovered within 48 hours of deployment. Leverage the ML- and AI-powered device visibility and Device-ID™ to apply least-privileged access policies to enforce Zero Trust security seamlessly across all your network-connected devices. Consider Enterprise IoT Security Plus to add risk assessment, ML-powered anomaly detection, and Zero Trust policy recommendations.

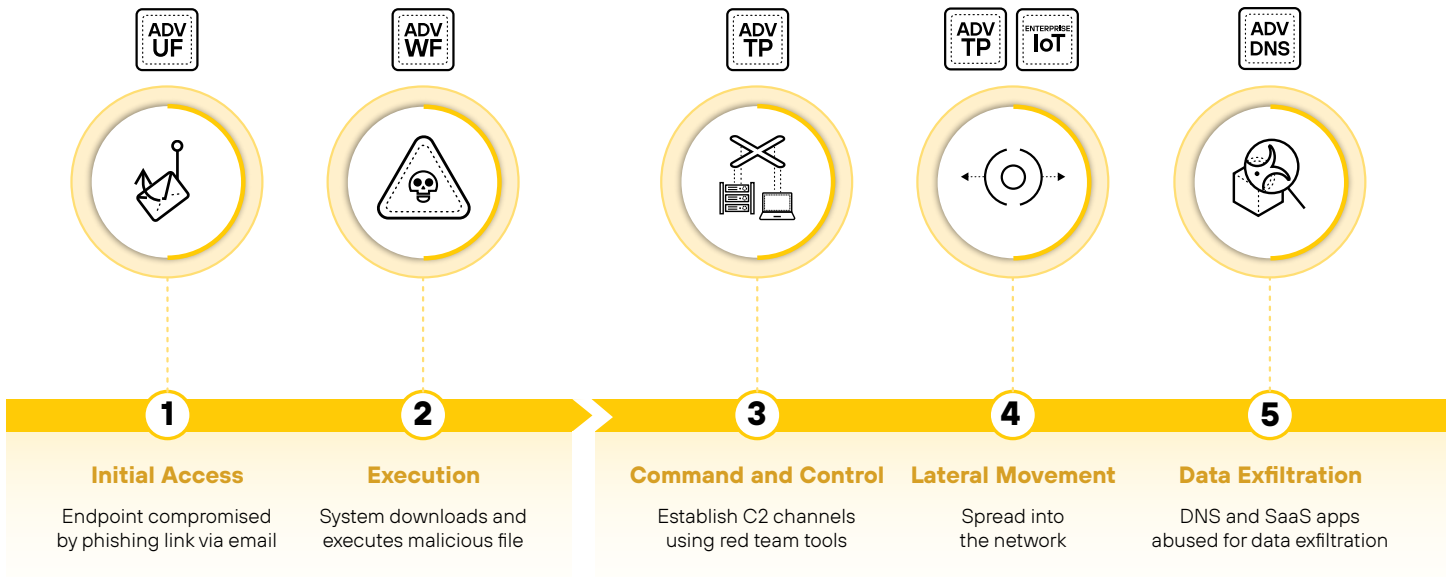


Figure 3: How an attack exploits network security and vulnerabilities

Benefits of the Precision AI Network Security Bundle

Key benefits include:

- Simplify operations with a fully integrated security solution vs. multiple-point solutions.
- Seamless purchase with a single SKU.
- Best-in-class protection against today's advanced threats.
- Available on all 3rd, 4th, and 5th generation hardware.
- No qualification criteria for purchase.
- Better savings vs. individual subscriptions (à la carte).

Integrate Seamlessly with Existing Security Tools and Custom Applications

Designed to seamlessly integrate with your existing security tools and custom applications, ensuring a smooth and efficient transition.

Consistent Security Policies and Capabilities

Unified platform software provided by a single vendor for various deployment scenarios and geographical locations within an organization.

Anchor Around Zero Trust Principles

Enforce least-privileged access and continuously inspect security across all applications, devices, and data. Monitor and log all traffic, users, and devices to ensure comprehensive protection and visibility across the entire network.

Manage Multiple Point Security Solutions with a Single SKU

Streamlines purchasing by consolidating advanced security solutions into a single SKU, reducing administrative overhead and procurement complexity while simplifying configuration, monitoring, and maintenance, leading to more efficient security operations.

Product Capabilities

Table 1: Palo Alto Networks Precision AI Network Security Bundle Features and Capabilities						
Capabilities	Advanced Threat Prevention	Advanced WildFire	Advanced URL Filtering	Advanced DNS Security	Enterprise IoT Security	SD-WAN
Advanced Detection and Protection						
Signatures for Known Threats	•	•	•	•		
Regular Content Updates	•	•	•	•	•	•
Patented Detection Techniques	•	•	•	•		
Inline Detection/Protection	•	•	•	•	•	
Zero-Day Detection/Protection	•	•	•	•		
Highly Evasive Threat Detection/Protection		•	•	•	•	
Memory-Resident Malware Detection/Protection		•				
Red Team Tool Detection/Protection	•			•		
Inline Machine Learning	•	•	•	•		
Inline Deep Learning	•		•	•		
Inline Cloud-Based Analysis	•	•	•	•	•	
Static and Dynamic Analysis		•				
Custom Hypervisor		•				
Stealthy Observation		•			•	
Intelligent Runtime Memory Analysis		•				
Automated Unpacking		•				
Dependency Emulation		•				
Malware Family Fingerprinting		•				
Locale-Specific Malware Detection		•				
Encrypted Traffic (SSL) Analysis	•					
Snort/Suricata Signature Compatibility	•					
URL Analysis			•			
DNS Analysis				•		

Table 1: Palo Alto Networks Precision AI Network Security Bundle Features and Capabilities (continued)

Capabilities	Advanced Threat Prevention	Advanced WildFire	Advanced URL Filtering	Advanced DNS Security	Enterprise IoT Security	SD-WAN
Advanced Detection and Protection						
Public-Facing Domain Auto-Discovery				•		
Public-Facing Domain Monitoring				•		
Misconfigured Domain Blocking				•		
Tailored DNS Traffic Profiling				•		
Device-ID™ Visibility to IoT Devices					•	
Device-ID Visibility to OT Devices					•	
Device-ID Visibility to Unmanaged/Managed Devices					•	
Zero Trust Policy Enforcement					•	
Visualization and Reporting						
XML-Formatted Reports		•				
MAEC-Formatted Reports		•				
MITRE ATT&CK Technique ID Mapping	•	•	•	•		
SD-WAN Features						
Active/Passive HA; Dual Power Supply						•
Certificate-Based Authentication						•
Radius, Local Authentication and Authorization, Multitenant Three-Tier RBAC Architecture						•
Auditing, Roles, and Privileges						•
Link Metric Collection						•
Bandwidth Monitoring						•
Intelligent Path Selection						•
Application and Network Condition-Aware						•
Sub-Second Steering						•
Session-Based Link Aggregation						•
Scalable Bidirectional Path Health Measurements, QoS, Traffic Shaping						•
Predefined Application Thresholds						•
Forward Error Correction (FEC)						•
Packet Duplication						•
SaaS Application Path Monitoring						•
DIA AnyPath Failover						•
Single and Double NAT Support						•
DDNS Support						•
Priority-Based Hub Failover						•

Table 1: Palo Alto Networks Precision AI Network Security Bundle Features and Capabilities (continued)

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SD-WAN Features						
Per-Application Split Tunneling						•
IPv4, DNS, DHCP Client/Server/Relay, NAT						•
QoS Shaping, Policing, and Rate Limiting						•
Support for Eight Queues, Type of Service (ToS), and DSCP Code Points with Patented Bidirectional Session-Based DSCP Tagging						•
Static, OSPF, BGP Routing						•
Multiple Virtual Routers						•
MD5 Router Authentication						•
Hub-and-Spoke IPsec Tunnels with Automatic Configuration						•
Full Mesh Connectivity						•
Prisma® Access Hub Support						•
Panorama® Managed, API, Syslog, SNMP						•
Zero Touch Provisioning (ZTP)						•
Visualization, Monitoring, and Reporting						•
Physical and Virtual Next-Generation Firewalls for Both Branch and Hub					•	•
5G LTE Support					•	•



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