



ADVANCED THREAT PREVENTION APPLIANCE

Product Overview

Juniper ATP Appliances collect web, e-mail, and lateral traffic using Juniper Networks SRX Series firewalls or its own built-in collector. This data is processed by the on-premises JATP Appliance Core to identify known and unknown threats and provide comprehensive analytics that map detected threats to the attack kill chain. When a threat is detected, the JATP Appliance sends policy updates to SRX Series or third-party firewalls. Working with Juniper Networks EX Series, QFX Series, or third-party switches, JATP Appliances can also isolate threats and, using one-touch mitigation, quarantine compromised hosts to limit lateral spread.

The ATP Appliance helps customers:

- Identify and defend against new zero-day and targeted attacks
- Identify existing compromised systems
- Mitigate risks by updating existing security controls to defend against identified threats
- Reduce the time and cost to resolve advanced threats
- Reduce exposure to advanced threats

Advantages of the Juniper ATP Appliance

The Juniper ATP Appliance integrates with other security solutions to provide inline blocking or host quarantine. It provides advanced security and zero-day threat capabilities that may not be available in firewall or dedicated intrusion prevention system (IPS) solutions.

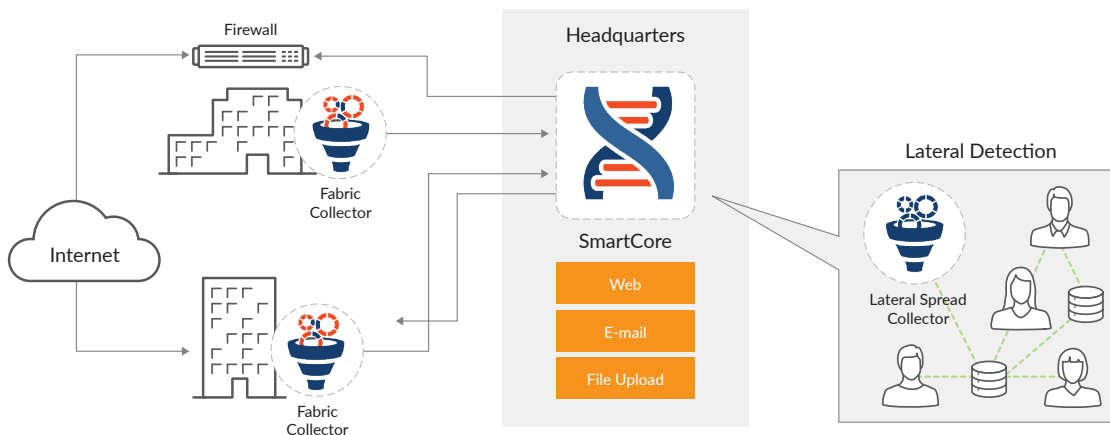
The ATP Appliance supports multiple platforms across distributed locations, data centers, and the cloud, finding threats that are targeting Windows, Mac OSX, and Android operating systems. It also provides a timeline view of the host, offering context about malware events that have occurred.

3 Key Functions of the Juniper ATP Appliance

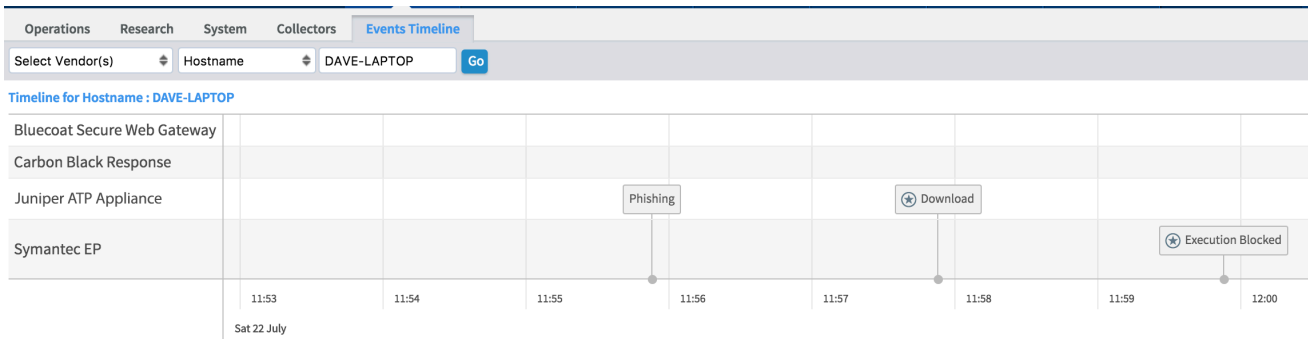
- **Detection:** Machine learning and a behavioral analysis engine continuously collect and detect Web, e-mail, and lateral threats that have bypassed the first line of security defense.
- **Analytics:** An analytics engine correlates and consolidates threat information with event data from other security tools, then presents a timeline view of the complete security incident.
- **Mitigation:** The Juniper ATP Appliance creates policies that strengthen inline security tools against future attacks while isolating infected hosts—all enforced through one-touch mitigation.



Juniper ATP Appliance components



Juniper ATP Appliance architecture



ATP Appliance events timeline

Juniper ATP Appliance Features and Benefits

Capabilities	Features and Benefits
Flexible deployments	<ul style="list-style-type: none"> Physical or virtual deployments Integrates with Juniper Networks SRX Series Services Gateways Deployable in networks with no Juniper solutions
Multivector traffic inspection	Inspects Web, e-mail, and lateral traffic
File upload	Inspects and analyzes files uploaded through the Web console
SmartCore multistage threat analysis	Performs static analysis, payload analysis, machine learning and behavioral analysis, malware reputation, prioritization, and risk analysis
Multiple file type analytics	Analyzes multiple file types, including executables, DLL, Mach-o, DMG, PDF, Office, Flash, ISO, ELF, RTF, APK, Silverlight, archive, and JAR
Comprehensive third-party API support	Supports Active Directory, endpoint antivirus, firewalls, secure Web gateways, intrusion detection service (IDS), endpoint detection and response tools
Contextual threat prioritization	Prioritizes threats based on risk score calculated from threat severity, threat progress, value of asset, and other contextual data
Host behavior timeline	Provides timeline view of host to offer context about malware events that have occurred
E-mail security on Office 365 and Gmail	Automatically quarantines e-mails on Office 365 and Gmail
Reporting	<ul style="list-style-type: none"> Produces executive reports to help CISOs understand the overall malware activity within the enterprise Provides detailed technical reports to track security incidents and infected hosts

Next Steps

To try the Juniper ATP Appliance for free, visit www.juniper.net/us/en/forms/jatp-14-day-trial/ and contact your Juniper Networks representative.

For more information about the Juniper ATP Appliance, please visit www.juniper.net/us/en/products-services/security/advanced-threat-prevention/.

About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

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