

Global Intelligence, Local Protection

Ensuring the Security and Availability of Enterprise and Provider Networks

Highlights

Customers

Arbor is extensively deployed among the world's largest ISP, cloud hosting providers and enterprise networks. Customers include AT&T, Verizon, BT, Deutsche Telekom, NTT, Yahoo! and many of today's leading financial, retail and government organizations around the world.

ASERT

The Arbor Security Engineering & Response Team combines sophisticated, automated data collection techniques with the technical and analytical expertise of its security researchers. This specialized team distills mountains of technical information into actionable business intelligence for network professionals.

ATLAS® Intelligence Feed

The ATLAS Intelligence Feed is integrated into Arbor's solutions to help detect and stop emerging and dynamic threats such as botnets. It simplifies threat responses because it is updated in real time without software updates. The AIF also stops complex application-layer attacks.

Cloud Signaling™ Technology

Arbor has developed a protocol to facilitate customer on-premise mitigation of application-layer attacks and upstream mitigation of flood-based attacks in an automated and real-time manner. This enables service providers and network operators to better ensure the availability of data center infrastructure.

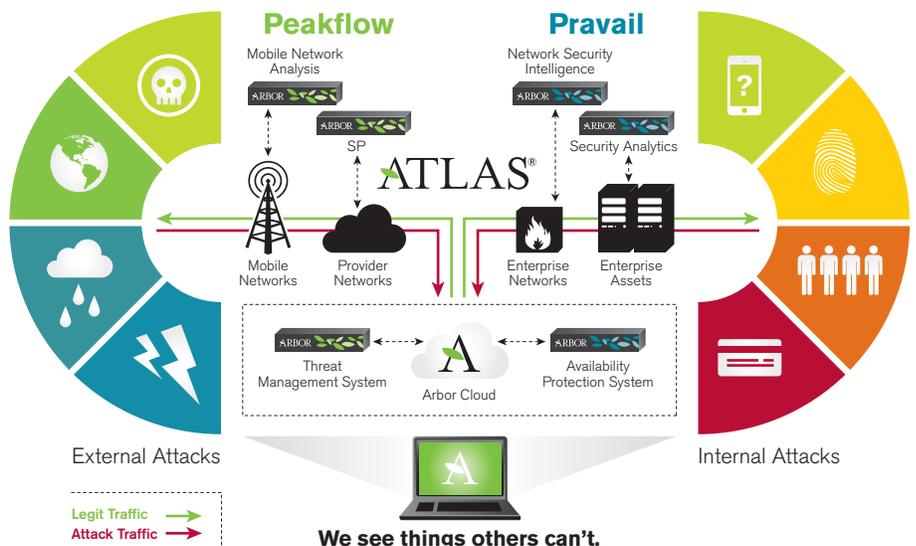
Overview

Arbor Networks, Inc. helps secure the world's largest enterprise and provider networks from DDoS and advanced targeted attacks. Arbor believes security solutions today must be coordinated to mitigate attacks before they reach a customer's network whenever possible, and then quickly identify and stop threats once they have made it past an increasingly porous perimeter. We have leveraged our unique customer footprint and experience working with the world's most demanding network operators to develop a more enduring solution for the threats of today and tomorrow. Arbor does this not by focusing on specific threats or points in the network but on networks themselves. No matter how much the threats and attackers have changed, security still comes down to understanding networks. Arbor's goal is to provide a richer picture into networks and more security context—so customers can solve problems faster and help reduce the risk to their business. We strive to be a force multiplier, bringing context to massive amounts of data, making network and security teams the experts.

ATLAS: Global Threat Intelligence for Local Protection

What separates Arbor from other security companies is how we leverage our pervasive service provider footprint to benefit all of our customers. ATLAS® is a collaborative project with nearly 300 service provider customers who have agreed to share anonymous traffic data with up to 80 Tbps.

From this unique vantage point, Arbor's world-class security research team is ideally positioned to deliver intelligence about DDoS, malware and botnets that threaten Internet infrastructure and network availability. Arbor customers enjoy a considerable competitive advantage by giving them both a micro view of their own network, via product deployments, combined with a macro view of global Internet traffic, via ATLAS. This is a powerful combination of network security intelligence that is unrivaled today.



“Organizations are looking for solutions that help them deal with the problem of advanced threats hidden within their networks. Arbor’s Pravail Security Analytics is a powerful platform for the security analyst, processing huge amounts of data and providing actionable intelligence through intuitive visualizations that reveal threats in both real-time and historical data sets. Arbor now has a unique combination of NetFlow, packet capture and global threat intelligence from their ATLAS infrastructure to address today’s dynamic threats that evade signature-based solutions.”

John Grady, research manager for Security Products at IDC



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Arbor CloudSM for Multi-layered DDoS Protection

Enterprises are struggling to protect their global networks against today’s complex DDoS attacks, and providers are investigating ways to enhance security offerings. With Arbor Cloud, we deliver best practices protection against a broad spectrum of DDoS attacks by integrating on-premise defenses with powerful cloud-based traffic scrubbing services. Arbor’s technology, products and ATLAS research infrastructure power this new service, supported by a 24x7 Security Operations Center staffed by Arbor DDoS and security experts.

Pravail[®] Solutions for the Enterprise

Arbor is delivering a broad, integrated set of network visibility; threat detection and mitigation; incident response; and forensics capabilities to help secure the enterprise in its battle against DDoS and advanced targeted attacks.

Pravail Network Security Intelligence

Pravail Network Security Intelligence provides the network-wide situational awareness, internal network visibility and security intelligence network operators need to understand advanced and insider threats and to proactively defend against them.

Pravail Security Analytics

Pravail Security Analytics uses big data technologies that allow enterprise security teams to cost effectively collect and store all the traffic entering and leaving their network. By analyzing data very quickly, Pravail Security Analytics can be used for real-time attack response decisions, and by storing the data, it can be used for long-term forensic response.

Pravail Availability Protection System

Pravail Availability Protection System provides out-of-box protection for complex application-layer DDoS attacks; supports a dynamic threat feed from ATLAS to stop botnets; supports simple and inline deployment models; and has the ability to send alerts to Arbor Cloud or other upstream DDoS managed service providers for more comprehensive protection from availability threats.

Peakflow[®] Solutions for the Providers

The Peakflow family of products is the de facto standard for network intelligence and infrastructure protection among the world’s leading Internet Service Providers, cloud and hosting providers and mobile network operators. Peakflow provides a single view across a provider’s entire network from the customer edge through the backbone and into the mobile packet core. From there, providers can monetize their Peakflow investment to launch new revenue-generating services.

Peakflow SP

Peakflow SP provides comprehensive network visibility and reporting capabilities to help customers detect and understand threats, and improve traffic engineering, peering relationships and service performance. It also provides a dashboard into the entire network while managing the other Peakflow solutions.

Peakflow Threat Management System

Peakflow Threat Management System surgically removes DDoS attack traffic from the network without disrupting key network services. It also provides real-time visibility into network applications so customers can proactively monitor and maintain service performance.

Peakflow Mobile Network Analysis

Peakflow Mobile Network Analysis provides real-time visibility into the sources, frequency and impact of potential attacks and misuses on the HSPA/LTE packet core signaling plane. It enables proactive detection and is designed to mitigate attack traffic and emerging threats before they affect critical network resources.