

Arbor Cloud for Service Providers

Additional On-demand Capacity to Protect Your Network Infrastructure and Your Customers

KEY FEATURES & BENEFITS

Augment Your Existing SOC Staff

As DDoS attacks escalate in frequency and scale, SOC's are strained, lacking enough staff to combat attacks today. Leverage Arbor Cloud for security analysts and their world-class DDoS mitigation capabilities.

Strengthen Existing Infrastructure Protection

Instead of constantly deploying more internal DDoS mitigation capacity to keep up with continually larger and more sophisticated attacks, Arbor Cloud for Service Providers balances the need for additional mitigation capacity without breaking the budget.

Enable and Augment Your Customer Protection

Protect your customers from attacks and maintain their availability in addition to yours. Enterprises are looking to their Service Providers for DDoS protection and link availability, regardless of their ISP or location. Arbor Cloud provides cloud-based attack protection for your customers either through a single service that protects your entire Service Provider network or as a per-customer service that can be resold to your customers.

Outsource Your DDoS Management

Not only can we augment your mitigation capacity with Arbor Cloud, but we can also manage your existing Arbor SP&TMS deployment with our Managed SP/TMS service. Outsource your DDoS protection to the industry experts so you can focus on what you do best.

DDoS attacks are increasing in size, frequency and sophistication, which is challenging Service Providers' network availability and threatening their Enterprise customers. Further compounding matters, operational security (OPSEC) team responsibilities continue to grow, despite the lack of headcount and resources. Arbor Cloud™ and its expert-staffed Security Operations Center (SOC) can help. Our experts become an extension of your SOC staff, enabling you to defeat the largest and most complex attacks, whenever or wherever.

Protection Against Today's Targeted DDoS Attacks

As part of a layered approach to DDoS protection, Arbor Cloud provides protection from advanced and high-volume attacks without interrupting access to your applications and services. Arbor Cloud's on-demand traffic scrubbing service staffed by Arbor's DDoS security experts defends against volumetric DDoS attacks that are too large to be mitigated on-premise. As a result, Arbor Cloud ensures the operational availability of your network and systems.

Arbor Cloud offers Service Providers the flexibility that they need to protect their infrastructure and their customers. Service Providers are able to do this by leveraging Arbor Cloud which provides:

- Infrastructure Protection: For additional mitigation capacity to protect your network infrastructure.
- Customer Protection: For additional mitigation capacity to protect on-network and multi-homed customers.
- Expert Staff: Available 24x7x365 to handle attacks when your staff is unavailable or when you wish to leverage Arbor's world-class, knowledgeable staff to defeat attacks targeting your network.

Whatever the concern, Arbor Cloud can protect your network or your customer's network via a single coverage option or you can re-sell Arbor Cloud for Enterprise offering to protect individual customers.

With each layer of protection, Arbor delivers industry-leading expertise and technology designed to analyze network traffic, mitigate DDoS attacks and forward clean traffic to its destination on the network.

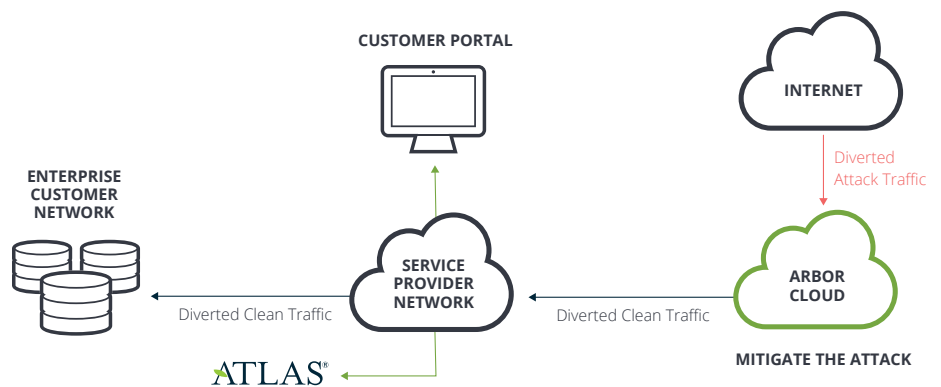


Figure 1: Arbor Cloud for Service Providers solution.

Powerful, On-Demand, Cloud-Based Scrubbing

When an attack occurs, speed and agility are critical to business continuity. In the event of a volumetric attack that will overwhelm an ISP's Arbor TMS mitigation capacity, using a powerful feature called "Cloud Signaling™" the ISP's Arbor SP product can automatically notify and reroute attack traffic to an Arbor Cloud scrubbing location where the attack is mitigated.

Arbor Cloud has multiple worldwide scrubbing centers with multiple terabits of scrubbing capacity that can handle today's largest and most complex attacks that threaten the availability of your infrastructure, critical assets and your connectivity to your customers.

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Arbor Cloud Specifications

Arbor Cloud Security Operations and Scrubbing Centers	
<ul style="list-style-type: none"> • Operations Center: North America (Sterling, VA) • Scrubbing Centers: 14 located in US, Europe, South America and Asia; 11+ Tbps network capacity 	
Flexible Service Package	Package Options
Size of Network to Protect <ul style="list-style-type: none"> • Small Tier: 1-999/24s or 1-3/16s • Mid Tier: 1000-4999/24s or 4-19/16s • Large Tier: 5000+/24s or 20+/16s 	<ul style="list-style-type: none"> • Mitigation = 72-hour window of usage • No setup fee for standard provisioning • All prices monthly, unless otherwise noted • 12 month minimum service
Included	Additional Options Include
<ul style="list-style-type: none"> • 1Gbps (Small Tier: 1G option) or 2Gbps (Small Tier: 2G option) of clean traffic • 6 mitigations per year • 1 GRE destination • 12 month minimum service • ASERT threat reports, attack analysis and warnings • 24x7 Level 1, 2 and 3 support services • Arbor's "Time to Mitigate" SLA 	<ul style="list-style-type: none"> • Mitigations (+1, +5, +10) • Clean traffic (per Gbps) • GRE destinations • Direct and cross connections

ARBOR SECURITY ENGINEERING & RESPONSE TEAM (ASERT)

ASERT is a world-class team of security researchers, with access to more than 140+Tbps of real-time global internet traffic for analysis. ASERT uses a sophisticated combination of attack data collection, partner information and analysis tools to discover and analyze emerging internet threats as well as create targeted defenses to protect from the most sophisticated and advanced attacks.

ASERT provides customers with global intelligence through weekly Threat Briefs that are available on the Arbor Cloud portal.

The following information is viewable from the portal:

- Global Threat Map
- Threat Briefs (Arbor Cloud)—Intel in post incident reports—contextualized, customer specific
- Top Threat Sources
- Threat Index
- Top Internet Attacks



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