

Clarity in the Clouds: Innovative Solutions for Aviation



In the competitive world of aviation, where alliances are often forged with rivals, and competitors share skies as partners - GlobalDots is your co-pilot in navigating clouds of looming threats.

Now you can unlock the full potential of your cloud infrastructure, overcome threats like decreasing search performance, artificial ticket cost inflation, and CDN capacity progression.

GlobalDots, as innovation hunters, engineer an ecosystem that works in synergy, paving the way for an efficient, secure, and growth-ready infrastructure. With this unified approach, your performance is elevated, and your security posture is strengthened.

Nowadays, where buying a ticket is just the beginning and an online presence is a direct lifeline to your customers, we make sure you build relationships that transcend mere transactions. With our solutions, you won't just be flying; you'll be soaring through the skies.



Our innovative solutions
are tailored to face today's

Aviation Challenges

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Web Presence & Performance

Performance is key for airline companies. Your users demand a fast and reliable site experience across all devices, and once not provided, both business and brand reputation are at risk. Our Web Performance solutions will help you deliver a best-in-class site experience that is always available, secure, and fast.

Content Delivery Network

In an era where high-performance websites are necessary, maintaining speed and responsiveness is a significant pain point for businesses. GlobalDots recognizes that a Content Delivery Network (CDN) is a vital solution to this problem.

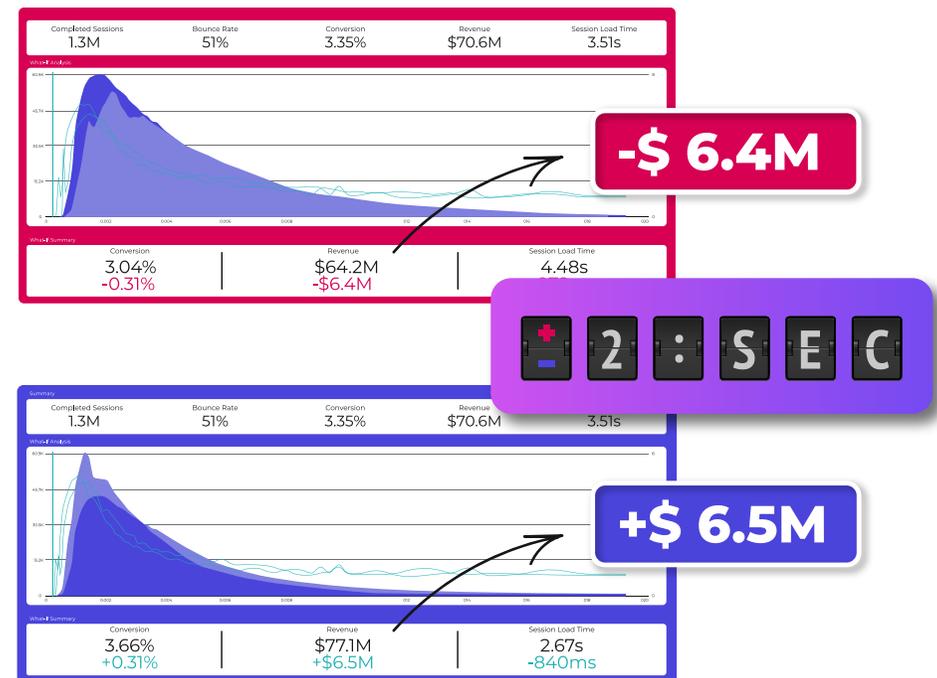
By caching content like web pages, images, and videos in proxy servers near the user's location, CDNs ensure a faster, high-performance web experience.

This technology effectively addresses the issue of network congestion, providing immediate access to content and enhancing the overall user experience.

Multi CDN

Maintaining high performance on your website is a constant battle, especially with the ever-increasing user demands and global reach. Latency, downtime, and slow loading times can frustrate users and harm your brand's reputation. GlobalDots understands these challenges intimately and offers a tailored multi-CDN strategy to alleviate these pain points. We ensure that your website's performance remains consistent and robust, regardless of user location or sudden spikes in traffic.

2-Second Web Delay Costs You a Fortune



Managed DNS

In a world where website performance is paramount, GlobalDots offers a network that exceeds expectations. Handling over 1 million queries per second even on a slow day, our Managed DNS solution ensures a global median response time of just 21ms. With 26 Network PoPs spread across 6 continents, and 100% SLA, we guarantee the best performance tailored to your needs and ensure 100% availability.

Image Optimization

The struggle to maintain website performance with heavy media files is a common challenge. Customers also access from a myriad of devices. Slow-loading images, videos, and GIFs can degrade user experience.

The solution? Reduce bytes without losing visual quality, automatically enhance media for responsive design, and eliminate the need to manage multiple versions.

These key strategies streamline media management and boost performance, turning a persistent pain point into an opportunity for smooth user experience.



Web & Cloud Security

In the aviation industry, security plays a crucial part facing a spectrum of challenges that call for inventive solutions. Balancing technology, customer expectations and business needs, requires strategic navigation through BOT-driven disruptions, fortified API vulnerabilities, and the pursuit of heightened visibility.

Web Application Firewall

You're constantly battling the relentless flood of malicious traffic that threatens to compromise your website's integrity.

WAF is leveraging advanced zero-day vulnerability protections, neutralizing a spectrum of threats including those encapsulated in OWASP's Top 10 attack techniques.

Custom rulesets and machine learning-enhanced defenses provide tailored security, effectively combating variations of RCE, XSS, and SQLi attacks. Moreover, exposed credential checks and sensitive data detection tools aid in the prevention of account takeovers and data breaches. So, not only is your website's integrity maintained, but your users' trust is fortified.

Bot Mitigation

Struggling with data scraping and credential stuffing? Worried of price hijacking by competing airlines? We know these challenges threaten not only pricing strategies but also the integrity of customer accounts.

In response, GlobalDots offers a Bot Mitigation solution that provides a robust defense. Leveraging real-time data and advanced algorithms, it detects and mitigates bad bots in less than 0.3 milliseconds.

GlobalDots Bot Mitigation reduces bot-generated flight searches, lowering artificial ticket cost inflation from competitors scraping prices. It expands CDN traffic capacity to handle surges in bot activity. By blocking bad bots, it provides accurate marketing data and protects pricing strategies from being undercut.



30.2%

Bad Bots Share of all Website Traffic
Percentage change in bad bot traffic from previous year.



17.3%

Good Bot Traffic Share of all Website
Percentage change in good bot traffic from previous year



52.6%

Human Share of all Website Traffic
Percentage change in human traffic from previous year

DDoS Mitigation

Guarding infrastructure against increasingly sophisticated DDoS is an ongoing battle for IT teams.

Massive volumetric and multi-vector attacks can overwhelm systems and take down websites.

This causes revenue loss, reputation damage, and poor customer experience. GlobalDots' intelligent DDoS defense uses a huge global network to absorb attacks away from the origin. Real-time traffic analysis ensures legitimate users access applications without disruption. This comprehensive protection safeguards web integrity and availability, eliminating DDoS impacts so IT can focus on critical initiatives.



Code Security

Resilience and security are mission-critical for aviation operations. Our cutting-edge Protection Backbone of Mission-Critical Software delivers robust, aviation-aligned security to software supply chains.

It establishes end-to-end visibility for real-time threat detection, enhanced risk management, and standardized baselines. With tailored solutions that embrace aviation's nuanced challenges, GlobalDots stands resolute in delivering security that enables operational efficacy and upholds industry excellence.



Universal Identification

Achieve full visibility into open source usage with zero-config scanning that adapts from basic codebases to complex monoliths.



Scalable Governance

Regulate the utilization of open source: grow through smart policies, integrations native to developers, and top-tier team and role administration designed for enterprise.



Enterprise-Grade Reporting

Combat-proven reporting for any scenario; from hastening sales processes, navigating through multi-billion-dollar IPOs, generating SBOMs for validations, and beyond.

Customers' Data & Privacy

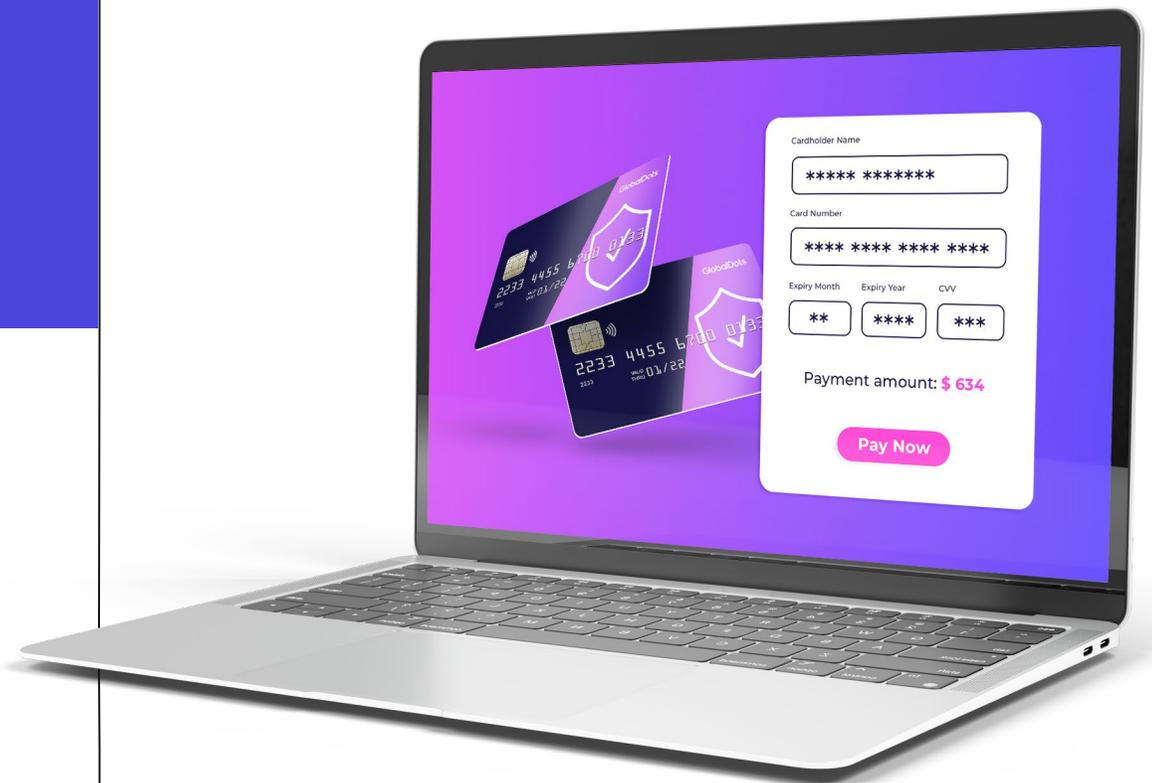
In the aviation industry, passenger data privacy is an increasing priority. With rising cyber threats and regulations like GDPR, airlines must ensure customer data collected across systems and partners remains protected. Breaches expose airlines to substantial financial liability, reputation damage, and loss of customer trust. Managing data security and compliance strains IT resources. GlobalDots provides an integrated data loss prevention platform, unifying visibility, control, and protection to secure sensitive data across the airline's ecosystem.

CNAPP

Being innovative while managing large-scale private data is a pressing challenge. GlobalDots streamlines this with 80% faster investigations, replacing 2-5 tools, and reducing alerts by 100:1. Our unified cloud security prioritizes risks and detects threats, safeguarding sensitive information like passport and credit card details. We transform data protection into an opportunity for innovation and growth, reflecting our commitment to your success.

CWPP

Securing sensitive customer data is a pressing concern today. GlobalDots solution provides consistent visibility and control, simplifying the complex task of securing virtual machines, containers, and serverless workloads. This enables organizations to confidently leverage data while ensuring robust protection across diverse ecosystems.



Showing Compliance (ISO 27001)

Securing sensitive customer data at scale is a major challenge. Breaches exposing private details lead to huge fines, lawsuits and reputation damage.

GlobalDots offers an integrated compliance platform with fast plug-and-play connections, real-time auditor collaboration and automated credible data collection from unlimited plugins.

This unifies visibility, eliminates legwork and simplifies proving compliance across your entire ecosystem. GlobalDots enables organizations to confidently leverage data while ensuring ISO 27001 conformance.



Enforcing Compliance

Managing sensitive customer data at scale presents major privacy and compliance challenges.

GlobalDots automates policy-as-code enforcement to strengthen security posture. Continuous monitoring, automated incident response, and selective alert auto-remediation reduce time to remediation while adapting security to business needs. GlobalDots aligns security with innovation, enabling confident cloud deployment without compromising customer data privacy.



Monitoring & Observability

For aviation, and any other e-commerce clients, CDNs are crucial and its log data is priceless. As most performance issues are happening in the CDN:

Outages: Long download times, Geo-specific issues, Security issues such as Bot attacks & More...

As CDN providers' observability tools don't seem to provide enough information and most observability tools are too expensive, many companies are overlooking the CDN logs and their abilities.

With CDN dedicated plug-ins for seamless implementation and maintenance, aviation companies are benefiting from:



Optimal Performance



High Security



Lowering Observability Costs

Get real-time insights and long-term monitoring for optimized performance



Proactively Detect Traffic Spikes & Outages



Real-time traffic analytics & insights



Establish reliable & valuable KPIs

Enhance your website's security with instant detection



Zip up Vulnerabilities



Keep Bad Bots Out



Zoom in on Anomalies

Client story: International Airline

Case Study

0%
Downtime

1-2
min MTTR

60%
Decrease in Bots
Traffic Share

- ✓ 100% Reduction of Downtime
- ✓ Traffic share of bots decreased from 70% to 10%
- ✓ Attacks intercepted in seconds, no hours



Our aviation clients are already seeing impactful results

Up to 50%

Reduction in Bot-generated flight searches.

Up to 30%

Reduction in artificial ticket cost inflation.

Up to 80%

Reduction of artificial web-traffic Leading to reduction in CDN costs.

-99%

ATOs & Credential Stuffing.

100%

Block breaches by intelligent BOTs for good.

100%

Visibility into traffic's insights.

Leading to

- ✓ Reduction of your infrastructure costs
- ✓ Advanced visibility into API's and possible vulnerabilities
- ✓ Increasing revenue and conversion rates

We Streamline Innovation Easily



Cut IT & Security Costs

Optimize resource spending and break vendor lock-in by easily cutting off to modular, cost-effective alternatives. Reduce professional service charges, and even access wholesale pricing and terms from the world's top vendors.



Save Time & Complexity

Save research, POC, and trial-&-error time, allowing your teams to focus on their actual work. Maximize the time-and-cost effectiveness of your IT infrastructure as our experts implement all possible integrations.



Close the Consumption Gap

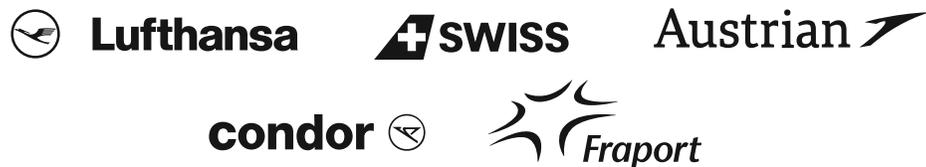
Our ever-evolving portfolio includes multiple vendors in each product category, combining world-renown leaders and cutting-edge startups. This diversity enables us to provide spot-on solutions focusing on your needs.



Stay Ahead of Competition & Threats

We are a team of young cloud industry veterans, certified by AWS, Azure, GCP, Akamai & more. With us, you enjoy a senior solutions engineer as your single, highly responsive point-of-contact throughout the cycle of consulting, implementation, and post-sale professional services.

Our satisfied clients in aviation include:



About Us

GlobalDots is a 20-year global leader in cloud innovation, connecting over 1,000 global businesses with the latest cloud and web technologies, such as Security, Web Performance, DevOps & Cloud Management, Corporate IT, and advanced AI/ML models.

Led by a team of seasoned engineers and architects, GlobalDots offers easy end-to-end innovation adoption, from consulting to ongoing professional services, proactively introducing newer and better solutions to support businesses in maintaining a scalable, up-to-date technology posture in a quickly-changing world.