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See. Control. Secure.

Allot Traffic Intelligence

When Seconds Count, Managing Network Traffic is Critical

Background and challenges

Air forces worldwide are serving as the spearheads in protecting their countries and nations.

The Air Force is a branch of a nation's military responsible for maintaining control of the airspace, conducting strategic and tactical air operations, and providing air support to ground and naval forces.

As such, modern air forces possess the following IT characteristic features:
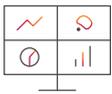
Technological Sophistication
They leverage cutting-edge technology in aircraft, radar systems, missiles, drones, and communication equipment to maintain superiority in the air domain.
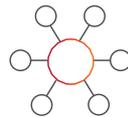
Network-Centric Operations
Integration of data networks allows for real-time information sharing and coordination among various units and platforms, enhancing overall effectiveness in operations.
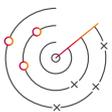
Intelligence, Surveillance, and Reconnaissance (ISR)
They utilize advanced ISR capabilities, such as satellites, drones, and specialized aircraft, to gather critical information for situational awareness and decision-making.

Cyber and Electronic Warfare
Air forces engage in cyber operations and electronic warfare to disrupt enemy communications, gain an advantage in information warfare, and protect their own systems from cyber threats.

Modern air forces continually evolve to adapt to emerging threats, advancements in technology, and changes in global security landscapes, emphasizing a balance between technological innovation, operational flexibility, and strategic planning. Hence, they need to be swift and precise in prioritizing communication and data transfers through satellite feeds. Imagine the nerve center—the headquarters and data center—where every millisecond counts. They need to meticulously prioritize mission-critical applications and satellite communication, safeguarding not just strategic plans but the very execution of pivotal tasks.

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Allot Traffic Intelligence Solutions

For the air forces prioritize mission-critical applications and satellite communication and ensure network resilience.

Benefits

Assures Air Force's mission-critical tasks' execution

- Fair and equal access to satellite feeds
- Speed up satellite feeds with TCP optimization
- Prioritize mission-critical communication & applications

Strengthens Air Force network resilience

- Protects the network from incoming and outgoing floods
- Assures mission-critical communication and applications even under attacks

Decision-driven understanding of network traffic and satellite feeds

- Centralized management for efficient management and control
- Graphical dashboards and reporting for decision-making

Recommended replacement to Broadcom PacketShaper

- Superior performance
- AI-based granular application classification
- Protection against inbound and outbound floods
- Out-of-the-box migration tool makes the replacement process a breeze.

Use Cases

- Fair and equal access to satellite feeds
- Ability to prioritize mission-critical applications to specific IP addresses
- Policy-based centric capabilities per user, device, IP address or application

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