

# GLOBAL MILITARY INSTALLATIONS GAIN FAST, SECURE CLOUD CONNECTIVITY WITH JUNIPER SESSION SMART SD-WAN

## Client Overview

- **Industry:** Government
- **Products Used:** Session Smart Router
- **Region:** Americas
- **Organization size:** 500,000+ active duty, civilian, and reserve

## Impact

- **30%-50%** reduction in protocol overhead
- **Meet** stringent Federal cloud performance, security, and agility requirements
- **Optimize** service quality and user experience for cloud apps

## Overview

A branch of the military within the U.S. Department of Defense (DoD) needed to modernize its global data network to support an extensive cloud migration initiative. The department leveraged the user-centric Juniper Session Smart SD-WAN solution, formerly 128 Technology, to eliminate cost and complexity while delivering agile, secure, and reliable cloud connectivity for military installations around the world.

## Challenge: Modernize global WAN to support cloud migration

The DoD branch planned to migrate its IT applications and infrastructure to the cloud in an effort to simplify operations, accelerate IT agility, and support the Federal government's IT modernization mandates.

The branch's legacy WAN, designed to support traditional on-premises applications and IT services, was costly and complex to operate, maintain, and extend. In order to meet the increased agility and performance demands of the cloud, the branch needed to refresh the aging WAN.

*“Juniper’s Session Smart SD-WAN is far more efficient and cost effective than traditional IPsec, CRE, and VXLAN tunneling approaches.”*

-Prime Contractor

## Solution: Agile, efficient and resilient cloud connectivity

The prime contractor selected Juniper's user-centric Session Smart SD-WAN solution as the foundation for the military branch's next-generation global data network. The Session Smart SD-WAN solution was deployed in the branch's private data centers and at military installations around the world.

The Session Smart SD-WAN solution eliminates the inherent inefficiencies and cost constraints of traditional networking products and legacy SD-WAN solutions. The solution provides an adaptable, session-aware network fabric that meets the Federal government's stringent cloud performance, security, and agility requirements.

## Outcome: Fast, efficient and secure WAN connectivity

The highly scalable Session Smart SD-WAN solution increases speed and reduces latency within the network, ensuring superior user experiences. The end-to-end fabric adapts in real time to changing requirements, enabling members of the military branch to quickly and efficiently access critical data in the cloud while providing resiliency against physical transport outages.

An innovative tunnel-free network architecture provides strong security, saving 30% to 50% compared to other encryption protocols.

The branch also saved money and streamlined operations by simplifying and consolidating infrastructure. The Session Smart SD-WAN solution provides extensive insights into critical operational traffic, introducing a layer of network intelligence never before achieved by legacy SD-WAN solutions.

## 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.

### Corporate and Sales Headquarters

Juniper Networks, Inc.  
1133 Innovation Way  
Sunnyvale, CA 94089 USA  
**Phone: 888.JUNIPER (888.586.4737)**  
or +1.408.745.2000  
Fax: +1.408.745.2100  
[www.juniper.net](http://www.juniper.net)

### APAC and EMEA Headquarters

Juniper Networks International B.V.  
Boeing Avenue 240  
1119 PZ Schiphol-Rijk  
Amsterdam, The Netherlands  
**Phone: +31.0.207.125.700**  
Fax: +31.0.207.125.701

