Cloud usage is proliferating, throughout organizations and business of all sizes. Adoption of cloud technologies is increasing at a fast pace, whether it be public cloud, private cloud, or in most cases, hybrid cloud platforms.

Applications are the focus of all IT infrastructures, with more and more applications moving to the cloud as the IT world becomes more virtualized. As a result, network security must be aligned accordingly. Private and public cloud platforms offer clear benefits to enterprises such as increased agility and cost-effectiveness. However, moving to the cloud often exacerbates enterprise network security challenges, exposing enterprise IT to new vulnerabilities and cyber threats.

The Network and Cloud Security Challenge

The network security challenge for enterprises using cloud technology includes:

- Managing security across multiple heterogeneous IT environments
- Clarifying “foggy” visibility across the different technologies and vendors
- Ensuring compliance with security policies and regulatory standards
- Enabling business continuity and connectivity of critical applications
- Troubleshooting business application connectivity issues
- Provisioning policy changes automatically and securely, across cloud platforms and physical networks
- Transitioning applications between platforms while maintaining availability and consistent security controls

How can we address all of these challenges?

Highlights and Benefits:

- Gain application centric security visibility across public and private clouds
- Manage the entire enterprise IT security policy from a single pane of glass
- Simplify regulatory compliance and auditability
- Increase agility for network and cloud security infrastructure changes
- Multi-vendor, multi-technology support

Applications are the focus of enterprise IT infrastructures so network security must be aligned across all platforms.
The Tufin Orchestration Suite™ Solution for Network Security Policy Orchestration across Hybrid Cloud & Physical Networks

The Tufin Orchestration Suite addresses the challenges of today's increasingly complex enterprise IT environments and enables extending network security management across cloud platforms to:

- Manage and control enterprise security policy from a single pane of glass
- Gain full security visibility across public, private and hybrid cloud - serving application connectivity needs
- Enforce continuous policy and regulatory compliance, e.g., for PCI DSS, SOX, NERC CIP
- Reduce attack surface with tight management of network segmentation and zones to mitigate cyber threats
- Maximize business agility with application connectivity management and network security intelligence to ensure connectivity and security – anywhere, also when migrating between physical and hybrid cloud platforms
- Speed up audit preparation with an automated audit trail of all instances, security groups, and firewall changes
- Enable seamless transition between multiple cloud vendors – securely

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