



Secure Data Center Migration with the Tufin Orchestration Suite™

Solution Brief

Data center migration plans are high on the list of key projects for many CIOs. Migrating company applications from one location to another, or from one platform to another, can represent a great risk for an organization. Still, many companies undergo the arduous process with the expectation that it will result in significant efficiency and business agility.

For many enterprises, data center migration is part of a corporate IT cost-reduction initiative. Obsolete legacy hardware or software platforms no longer supported by vendors eventually require migration to a more modern infrastructure. Mergers and acquisitions usually result in consolidation of multiple data centers to eliminate redundancy, and thereby maximize the cost efficiencies expected by combining companies. Also, more companies are seeking to take advantage of private and public cloud platforms.

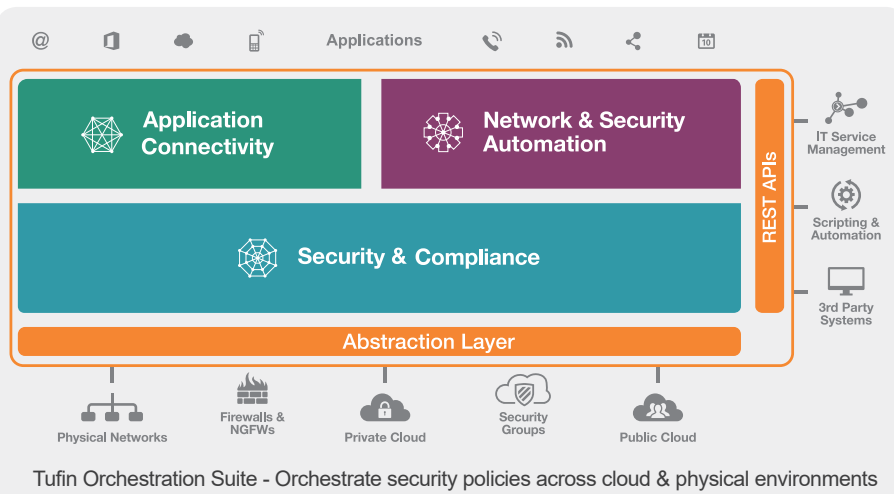
Data Center Migration Challenges

A large scale data center migration project can be one of the most risky and complex undertakings an enterprise can experience. The challenges are myriad, but there are three universal challenges inherent in every migration project:

- The need to understand your application-connectivity dependencies in detail
- Minimizing disruption to the business
- Ensuring systems are secure and compliant

These challenges create a number of “unknowns” that may derail the migration plan. This would result in unplanned and unacceptable business downtime. Furthermore, failing to mitigate the challenges can cause delays in the project and drive the project cost up.

Planning and executing enterprise data center migration or consolidation cannot be done manually as most enterprise networks are simply too large and too complex and documentation is often lacking. The right set of tools should be used.



Solution Highlights and Benefits

Tufin streamlines data center migration projects for minimal business disruption and maximum security control.

- Application connectivity and discovery
Simplify application migrations with end-to-end application-connectivity dependencies and visibility
- Minimal impact on business
Minimize the impact on business during the migration with automation and control
- Boost security and compliance
Ensure security and compliance with “baked in” security controls
- SDN-Equivalent Agility for Network Security Infrastructure
- Simplify migration of physical data centers to a private, public or hybrid cloud environments
- Safe decommissioning and migration of applications

Tufin Orchestration Suite™ Your Toolbox for Data Center Migration

The Tufin Orchestration Suite addresses these challenges by managing security policies during the migration project and providing the ability to automatically discover application connectivity in order to maintain business uptime.

The Tufin Orchestration Suite supports data center migration projects by enabling:

- Simplified migration to heterogeneous environments - physical or cloud (private, public or hybrid)
- Automatic application connectivity discovery to ensure that the planning phase includes all connectivity dependencies
- Risk assessment for all network changes throughout the project
- Workflow process automation for network changes to improve visibility and control
- Automated provisioning of application and service connectivity
- Increased security and compliance with “baked in” security controls
- Simplified network segmentation for easier management, improved security and streamlined performance
- Safe decommissioning of applications

Conclusion

Tufin streamlines data center migration for minimal business disruption and maximum security control. Tufin’s Orchestration Suite accelerates and simplifies every phase of the project: planning, migrating, validating and post-project maintenance and enhancements.

Tufin at a Glance

Offices: North America, Europe and Asia-Pacific

Customers: More than 1,700 in over 50 countries

Leading verticals: Finance, telecom, energy and utilities, healthcare, retail, education, government, manufacturing, transportation and auditors

Channel partners: More than 240 worldwide

Technology Partners & Supported Platforms: Amazon Web Services, BMC, Blue Coat, Check Point, Cisco, F5 Networks, Fortinet, Forcepoint™, Juniper Networks, Microsoft Azure, Openstack, Palo Alto Networks, VMware and more

From	To	Amsterdam_Ext	Amsterdam_SiteA	Amsterdam_SiteB	London	p_DataCenter	p_PM	p_RnD	p_Sales	TexasVPN users	Toronto	Virtual_DC-01	Virtual_DC-02	Virtual_DC-03	Virtual_DC-04
Amsterdam_Ext	Amsterdam_Ext	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Amsterdam_SiteA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Amsterdam_SiteB	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	London	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	DataCenter	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	PM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	RnD	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Sales	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	TexasVPN users	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Toronto	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Virtual_DC-01	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Virtual_DC-02	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Virtual_DC-03	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Amsterdam_Ext	Virtual_DC-04	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

The following services are blocked:
tcp 902, tcp 321

Rule properties:
Rules must have explicit source (not ANY)
Rules must have explicit destination (not ANY)
Rules must have explicit service (not ANY)
Rules must have comment
Rules must be logged

The Tufin Orchestration Suite’s Security Zone Matrix for centralized management of secure data center migration

