

# Tech Mahindra's Managed Azure Networking

# Overview

Today's enterprises have a very complex mix of services deployed on premise and on the cloud. These services could reside across multiple geos, across multiple clouds and across different last mile technologies. These technologies while accelerating the enterprise's time-to-market for their products become complex entities to manage. In this rush for new technology adoption, new age services deployed on top of the existing enterprise management stack has led to the following key challenges for the enterprises.

- Increased technology complexity
- Multiple vendors for the infrastructure solution
- The increased management and overhead costs which offset the benefits of new technology deployments
- Inherent and growing complexity of the existing systems which are now roadblocks for further new technology adoption.

Tech Mahindra's Managed Services offering for Azure is the holistic way to provide the means for enterprises to adopt and manage new technologies faster and optimizing total cost of ownership. This also attempts to reduce the time and effort involved to manage multiple MSPs and undo the need to build in-house skills, management stacks and services around it. Tech Mahindra's offering addresses these exact needs of enterprises by offering managed enterprise services across Azure IaaS and Networking, helping customers in accelerated enablement of their Cloud Infrastructure. Tech Mahindra's solution empowers the customer by helping them through all the four key phases essential for realization of the services and associated business benefits.



## CONSULT

- Consulting for Transformation/Migration of Network and allied Infrastructure to Azure Cloud
- Understand the tools/processes for Service Delivery
- Analysis of the Current Network architecture
- Understand the end-user equipment & its capabilities
- Understand the role of various Players, Partners and their participation in Service Delivery
- Develop plans for Transformation & Migration



## DESIGN

- End-To-End Solution Design, with experience & expertise in
  - Traffic Pattern Analysis & Infrastructure Sizing
  - SDWAN Design
  - HA Designs
  - Multi-Cloud Environments
  - Multi-Carriers Deployments
- Integrations with DC and Hosting Locations Corporate Connectivity & Edge
  - SSO Integration, Network Segmentation and Perimeter Security
- Integration Design with IaaS, SaaS and vPC providers



## DEPLOY

- Deployment Planning and Project Management
- Extensive Environment Build expertise, across On-Prem, and Multi-Cloud on-ramp, working with multiple Technology Partners.
- Build, Configuration, and Integration of Azure IaaS, Networking Components, and Private Wireless Networks with Industry Standard VNFs, Orchestrators, and Management Tools.
- Working with regional operators and Internet aggregators to provide connectivity solutions through our partners, and Carrier Neutral Facilities.



## MANAGED SERVICES

- Holistic approach to provide E2E management for different segments of Azure IaaS, Networking
  - Auto Remediation via proven TechM Framework
  - Closed loop control to automatically scale VNF components based on consumption.
- A matured Managed services catering to EOL management, Migration and sequencing transformation, Inventory management etc.
- Global OPS with Follow-the-Sun model to cater to regional needs of the customers spanning all continents.

## Solution Overview

Azure solution portfolio empowers the enterprise to adopt new technologies with minimum risk and minimal upfront costs as the businesses now pay based on consumption and need. Tech Mahindra's System Integration capabilities help the Customer with easy enablement of services in a multi-cloud, multi-vendor environment. The gamut of Tech Mahindra's services is provided over for Azure IaaS and Networking.

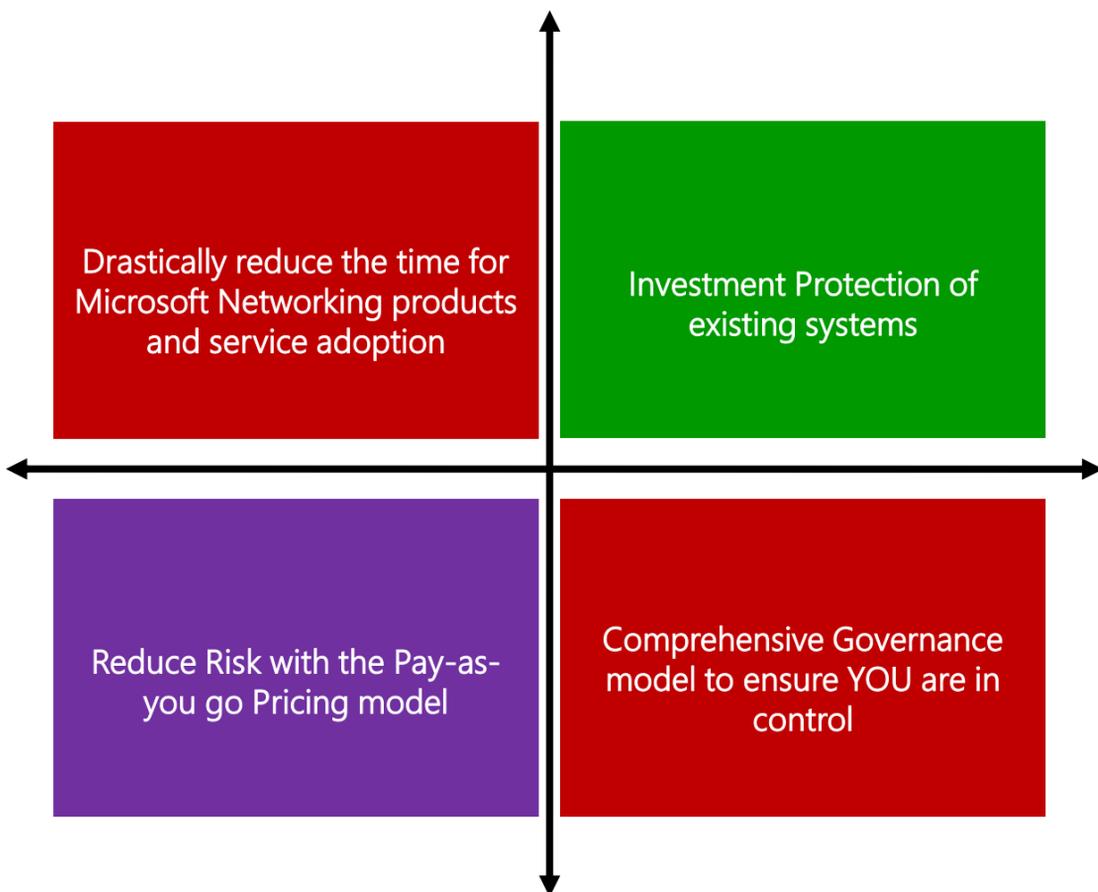
Azure's networking services offers a wide range of solutions ranging from Virtual WAN, Express Connect, to Load Balancers, Application Gateways, and Content Delivery Networks. Azure's IaaS platform enables customers to host applications and Infrastructure on the Cloud. Tech Mahindra's capabilities enables melding of Azure Networking Services & Infrastructure, and Industry standard VNFs thus helping customers realizing their complex transformation with ease. The Tech Mahindra network partner ecosystem reaches far and beyond with a number of technology vendors including Cisco, Juniper, Arista, Silverpeak, Palo Alto Networks, Fortinet, Huawei, Brocade, Radware, Riverbed, and Aruba just to name a few.

Tech Mahindra's Carrier Neutral Core on Equinix:

- Multi Cloud Integration and Transport integration using carrier neutral facilities
- Flexibility to integrate carrier integrate private cloud, DCs and Hosting locations
- Providing a carrier neutral shared core for global interconnections .



## Why Tech Mahindra's Managed Azure Networking



Tech Mahindra's decades of experience in Enterprise Network Design, Build, and Managed Services, provides the following benefits:

- Reduce risk with our Pay-as-you-go pricing model (CapEx to OpEx)
  - Monthly subscription model that includes license plus professional services cost license
  - No upfront license cost involved
- End to End Enterprise Network Managed services ecosystem, with 30+ Service bundles supported to suite your needs
- The Modular DNA of the solution empowers the enterprise to pick and choose a solution most relevant to their situation.
- Technology roadmap of the platform is always up to date with the current trends and can easily align with the business requirement of the enterprise
- Low turnaround time for on-boarding of new technologies ensures that the usable life of the equipment is increased and your ROI is maximized
- Build-as-you-need: Shared platform and shared service architecture ensures that you do not pay for unused capacity
- Unified visibility of complex network health

## Give your Enterprise the Tech Mahindra Edge

BENEFIT FROM PARTNERING WITH US	
Cost Effective	Shared Services model where the Enterprise customers pays for what they use
Transition and Service enablement	Upfront OPEX model with no separate cost of transition and consolidation
In OPEX model	'Pay as you grow' model for the management stack and network managed service
Modular and Flexible	Pick and Choose as per the Enterprise's unique requirements. Assured capability to customize as per requirements and enabled services
Features and Services designed specifically to your requirement	Vendor and product agnostic approach to all 3rd party services, apps, and products
Increase the ROI on your new technology investment	Pre-integrated support for new technology ensures quick on-boarding time, increased technology usable life and better ROI
Scalable	On-demand capability to scale up based on the business demand as well as adhere to specific technology requirements of the enterprise
Expansion to multiple geographies	Global reach across all regions, in 90+ countries
End-to-End service coverage	Services across all elements of platform management, help desk, operations, maintenance, known features, security, performance, reporting aspects
Investment protection and leverage	Easy integration with existing systems and leveraging of cost-effectiveness to protect margins
Holistic Governance Model	Unified Portal for end-to-end service performance visibility and a dedicated Account Manager to ensure the enterprises concerns are addressed
Our Investment in Research / Innovations / IPR	Tech Mahindra's exclusive investment in hosted platform in vendor agnostic approach
	Tech Mahindra's Service Management platform with significant pre-built automation using its IPR(Intellectual Property rights)
	Our COE setup in Assurance, UCC, Network Design, Inventory functions
Our experience	Tech Mahindra has a dedicated Network Practice for more than 14 years
	Tech Mahindra has more than 1000 certified employees across various network technologies – Microsoft, Cisco, Silverpeak, Juniper, Arista, Palo alto, Fortinet, etc.

## About Tech Mahindra:

Tech Mahindra is part of the US \$20 billion Mahindra Group, a global industrial federation of companies and one of the top 10 business houses in India. Tech Mahindra serves telecom service providers, equipment manufacturers, software vendors and systems integrators worldwide and their proven delivery models, distinctive IT skills and decades of domain expertise enable clients to maximize returns on their IT investment. Tech Mahindra registered revenues of USD 4.9 Billion in the year ended March 31, 2019 and is supported by 119,840 professionals across 90 countries who provide a unique blend of culture, domain expertise and in-depth technology skill-sets.

An SEI-CMMi Level 5 organization, Tech Mahindra's development centers are ISO 9001:2008 and BS7799 certified.

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