



# AVAYA

Engage The Power of We™



Storage + Compute + Virtualization + Networking

## Avaya & Nutanix – Simplicity Meets Invisible Infrastructure

Every IT department is being asked to do more, do it faster and at lower costs. They require new ways to rapidly deliver business applications and IT services while driving down overall TCO. IT needs next-generation datacenter infrastructure that delivers cloud-like economics and agility, but with the greater security and reliability of on-premise solutions.

Nutanix and Avaya help drive simplicity and agility across the entire infrastructure. Combined they provide the ability to stand-up or scale-out applications at the speed of business.

### Introducing Avaya SDN Fx™, a fabric-based SDN architecture for Simplicity Everywhere.

The Avaya SDN Fx architecture is simple. We start with a virtualized data center core provided by Avaya Fabric Connect technology that invisibly and securely extends network-wide and we end with a fully enabled edge for users and their applications. The glue that integrates the two is a set of powerful industry programming tools: OpenStack and OpenDaylight.

Nutanix brings invisible infrastructure to enterprise datacenters. The Nutanix Xtreme Computing Platform is a 100% software-driven infrastructure solution that natively converges storage, compute and virtualization into a


turnkey appliance that can be deployed in minutes, to run any application out of the box. Datacenter capacity can be easily expanded one node at a time with no disruption, delivering linear and predictable scalability with pay-as-you-grow flexibility. Nutanix eliminates complexity and elevates IT to focus on applications.

Together Nutanix and Avaya help drive simplicity and agility across the entire infrastructure. For example, Nutanix provides the ability to provision virtual machines in minutes and Avaya SDN Fx with Fabric Connect provides the ability to provision network resources in seconds. Combined they provide the ability to stand-up or scale-out applications at the speed of business.


# STORAGE + COMPUTE + VIRTUALIZATION + NETWORKING


## Avaya Fabric Connect

11x Faster Implementation Time 

7x Faster Configuration Time 


7x Faster Troubleshooting Time 

2,553x Faster Failover Time 


100% Improvement over Outages Due to Human Error 




## Nutanix

 Fast Deployment

 Predictable Performance

 Scale-out One Node at a Time

 One Platform to Manage

 40-60% Lower TCO

## Use Cases

### Avaya Team Engagement IP Office and Aura solutions

- Eliminates separate UC silos
- Provides the ability to easily add server infrastructure to scale Avaya application VMs
- Enables fast and easy installation
- Provides high performance access for all UC servers
- Provides high availability and business continuity

### Network/Server Virtualization and Private Cloud

- Turnkey platform for running critical applications, such as Oracle, SAP, Microsoft SQL Server, Exchange, and SharePoint
- Distributed storage fabric provides predictable linear scaling performance and high availability for multi-workload and multi-tenant environments
- Hypervisor agnostic architecture provides choice of virtualization

- Avaya Fabric Connect and Fabric Attach automatically attaches Nutanix nodes to the fabric

### Enterprise Branch Office

- Standardized cost-effective infrastructure can be rapidly deployed to any remote office location
- Consolidates all applications in a single compact appliance
- Centralized backup, disaster recovery and management for multiple locations

- Avaya Fabric Attach automatically connects users, devices, switches, and servers to the fabric
- Avaya Fabric Extend has been developed to support the interconnection of Fabric Connect deployments over any IP-based network, public or private
- Avaya Open Networking Adapter (ONA) provides a portal to the fabric for securely connecting third party devices to the network

### Smart/Safe Campus

- IoT smart devices providing emergency notification
- Open, scalable and cost effective SIP
- Massively scalable multicast network for video surveillance
- Secure device and user attachment
- Automated emergency call notifications
- WLAN triangulation to map and locate users
- Digital Signage displaying situational awareness

Avaya SDN Fx brings simplicity to Networking and Nutanix Acropolis and Prism deliver one-click management on invisible infrastructure. Avaya Fabric Connect allows you to keep your existing core networking infrastructure. No hardware changes need to be made to the core. The only hardware you need is Avaya Virtual Services Platform (VSP) TOR switches as end points on the data paths.

## The Avaya SDN Fx Approach: Simplicity Everywhere

Much like unplugging your toaster from one power outlet and plugging it into another, Simplicity Everywhere means that applications, users, and devices simply see the network as a series of connection points across the Enterprise. IT personnel need not worry where or what they are connecting to. The network handles these once manual network functions automatically. To make this possible, Avaya's SDN Fx architecture is built upon three unique components: An Automated Core, Open Ecosystem, and an Enabled Edge.

### Avaya SDN Fx Components

An automated core takes advantage of a single, network-wide Ethernet fabric to remove the need for manual configuration at each network hop; thus, reducing the potential for error and accelerating time to service.

An open ecosystem utilizes standard fabric protocols married with open

interfaces and open source customization tools empowering IT to quickly respond to changing business requirements with precision and flexibility.

An enabled edge leverages fabric extension beyond the data center to the user edge, allowing applications, devices and users to simply connect anywhere along the network and interact seamlessly to create a more agile and productive business environment.

### Nutanix Acropolis

Nutanix Acropolis is the industry's leading turnkey infrastructure platform that delivers enterprise-class storage, compute and virtualization services for any application. Using Acropolis allows IT professionals to choose both the best virtualization technology for their organization, whether it is traditional hypervisors, emerging hypervisors or containers.

### Nutanix Prism

Prism is a management solution from Nutanix that gives administrators an easy way to manage their end-to-end

virtual environments. Prism brings unprecedented simplicity by combining several aspects of datacenter management into a single, consumer-grade solution. Prism is powered by advanced machine learning technology to easily and quickly mine large volumes of system data and generate actionable insights for optimizing all aspects of virtual infrastructure management.

### About Nutanix

Nutanix delivers invisible infrastructure for next-generation enterprise computing, elevating IT to focus on the applications and services that power their business. The company's software-driven Xtreme Computing Platform natively converges compute, virtualization and storage into a single solution to drive simplicity in the datacenter. Using Nutanix, customers benefit from predictable performance, linear scalability and cloud-like infrastructure consumption. Learn more at [www.nutanix.com](http://www.nutanix.com) or follow up on [Twitter @nutanix](https://twitter.com/nutanix).

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**“Avaya is on the forefront of engagement and networking solutions for enterprises. Our customers are virtualizing team and customer engagement solutions to drive consolidation and improve operating efficiency. Avaya is extending this efficiency to the network fabric with server attachment automation. We look forward to working with Nutanix to deliver best-in-class solutions that allow for interoperability and future integration of our unified communications and networking with Nutanix compute, storage and virtualization for a truly simplified IT infrastructure that drives real cost savings.”**

— Jean Turgeon, Vice President and Chief Technologist, Software Defined Architecture, Avaya

## Learn More

To learn more please contact your Avaya Account Manager,  
Avaya Authorized Partner, or email [smartengage@avaya.com](mailto:smartengage@avaya.com)

## About Avaya

Avaya is a leading, global provider of customer and team engagement solutions and services available in a variety of flexible on-premise and cloud deployment options. Avaya's fabric-based networking solutions help simplify and accelerate the deployment of business critical applications and services. For more information, please visit [www.avaya.com](http://www.avaya.com).

