Nutanix delivers invisible infrastructure for next-generation enterprise computing by natively converging compute, storage, and virtualization into a turnkey hyperconverged solution. This transformational change in datacenter architectures is revolutionizing the way businesses manage and deploy their IT infrastructure and service offerings. At Plexxi, we say, “Why stop there?” Converge your network tiers by building a performance-based agile pod for your hyperconverged infrastructure that delivers unprecedented business agility, predictable scale, and operational savings.

The Next Wave of Convergence & Simplicity

It is time to move away from monolithic, silo-based data center infrastructure into agile, nimble infrastructure that can be rapidly deployed and efficiently scaled based on business requirements. The data center network can no longer be a complex assembly of dumb pipes, unaware of what is running on top. Plexxi’s datacenter transport fabric unifies separate data centers under a single Layer-2 domain with bandwidth control that optimizes interconnect usage. Data centers can therefore work together to deliver end-to-end service control and application SLAs with minimal operational overhead. The enterprise can converge leaf/spine networks into a single tier and deploy a next-generation data center network that is an active participant in supporting the business – without the unnecessary complexity.

Nutanix offers invisible infrastructure for next-generation data centers by converging compute, storage, and virtualization into a hyperconverged solution. The Nutanix converged storage and virtualization stack eliminates the bloat of legacy standalone hypervisors and makes virtualization invisible. Nutanix simplifies data center infrastructure by integrating server and storage capabilities into a turnkey platform that can be deployed in just 30 to 60 minutes. Data centers worldwide count on the Nutanix Xtreme Computing Platform to run their mission-critical workloads. Nutanix simplifies data center infrastructure so IT can focus on supporting the strategic goals of the business.
Benefits from Deploying Plexxi in a Nutanix Environment

Nutanix solutions simplify the entire IT lifecycle and free applications from the economic and architectural restrictions imposed by legacy on-premise infrastructure. Nutanix offers proven hyperconvergence solutions that offer storage, compute, and virtualization, and Plexxi allows the enterprise to simplify the deployment of Nutanix platforms by providing an easily scaled out and automated network solution aware of the diverse application workloads running on Nutanix Xtreme Computing Platforms.

Scalable Data Center Network Fabric

Plexxi combines the latest in Ethernet switching with optical multiplexing to create a high performance, resilient, low latency and scalable data center network fabric. Unlike traditional leaf/spine approaches, Plexxi Switches are deployed as a single tier, eliminating cost and complexity while vastly reducing operational overhead. The enterprise can now benefit from true data center fabric agility supporting the dynamic workload needs of hyperconverged Nutanix nodes.

A Better Nutanix User Experience

In a Nutanix consolidated traffic flow environment where overlays are used to transport data between hypervisors, Plexxi enhances the application flow, whether storage or virtual host related, for a better user experience. In this environment, Plexxi can offer an insight into the encapsulated flows, thus providing network topologies that best match the internal traffic flows themselves and preserving and enhancing the Nutanix user experience.
Improved Nutanix Performance Via A Single-Tier Network Architecture

Plexxi Switches connect Nutanix platforms via a single-tier architecture, ensuring maximum performance for inter-device communications without any of the hierarchical burdens imposed by legacy networking solutions.

Automated Nutanix Provisioning and Management

Plexxi supports auto-discovery of Nutanix platforms and auto-provisioning of the network without the need for manual IT intervention.

Nutanix Platforms Work Securely in Existing Network Environments

Nutanix platforms can now work seamlessly in existing network and application overlay environments. When deploying Nutanix solutions in an existing security infrastructure, Plexxi can control, direct, and strip overlay or virtual host/storage traffic that has been encapsulated so that the existing security infrastructure can be used to secure the virtual environment. Through integration, Plexxi Connect can tie both the VM configuration to the security environment policy and steer traffic to the right security appliance where the traffic encapsulation is stripped (i.e. VXLAN), fed through the right inspection engine, and re-encapsulated (future roadmap feature).

Extending the Value of Your Nutanix Deployment

By deploying Plexxi networking solutions to complement your Nutanix Xtreme Computing Platform implementations, you can extend the performance, simplicity, management, scalability, and TCO advantages you’re receiving for your storage, compute, and virtualization infrastructure by receiving those same advantages from your networking infrastructure.

Plexxi Products

Plexxi products create a unified system that delivers the industry’s first converged, next-generation data center network.

| **Plexxi Switches** | allow you to build a network for the next era of IT, emphasizing data and applications over infrastructure. They converge traditional multi-tier architectures into a single network tier optimized for east/west data center traffic patterns. |
| **Plexxi Control** | centralizes management, control, and visualization of the physical and virtual data center environments and delivers data and application workload awareness into the network. Plexxi Control can dynamically change the Nutanix data center network topology in real time to ensure data and application workloads have the resources they need to be successful. |
| **Plexxi Connect** | provides an integration platform for the network and third-party tools. |

An implementation of Plexxi Switches, Plexxi Control, and Plexxi Connect defines a system approach where workflows between the network and third-party tools can be integrated and automated in ways never before possible to simplify networking for next-generation Nutanix data centers.
Simplified Next-Generation Plexxi Solutions

- Application-Driven Infrastructure
- Hyper-Converged Networking
- Agile Data Centers
- Distributed Private Clouds
- Data Center Interconnect
- Scale-Out Applications

Simplify Your Data Center Today

By deploying Plexxi solutions to complement your Nutanix implementation, you can remove the networking complexity inherited from siloed infrastructure. The enterprise can revolutionize data center agility by implementing a next-generation data center network that you can automate and scale to support your priority business applications and deliver the performance and reliability that your hyperconverged Nutanix infrastructure demands. Plexxi is disrupting and simplifying data center networking in similar ways to how Nutanix has disrupted and revolutionized storage, compute, and virtualization.

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 data center. Using Nutanix, customers benefit from predictable performance, linear scalability, and cloud-like infrastructure consumption. Learn more at www.nutanix.com.

About Plexxi

Plexxi is a pioneer of next-generation networking products and solutions for agile data centers, scale-out applications, and distributed cloud environments. Plexxi’s products – Plexxi Control and the Plexxi Switch – and market solutions create an optimized network that dynamically helps applications perform better and operate at the speed of business. Plexxi is recognized as a Gartner “Cool Vendor” and is widely viewed as one of technology’s leading companies in defining the next great era of IT. For more information, visit www.plexxi.com.

Learn More

To learn more about the value of deploying next-generation solutions from Nutanix and Plexxi, send an email to info@plexxi.com.

The information contained herein is subject to change without notice. Plexxi, the Plexxi logo, LightRail, and Flexx Ports are trademarks of Plexxi Inc. Other company, product or service names may be trademarks or service marks of their respective owners.