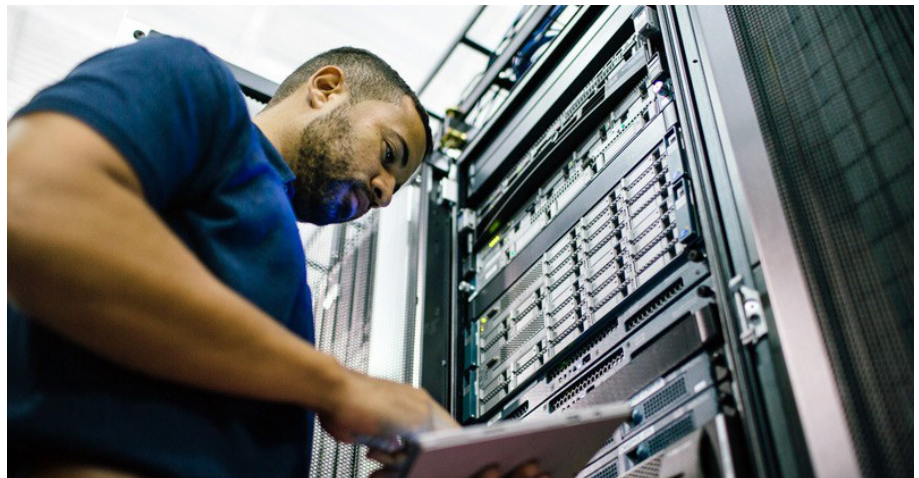**Pluribus NETWORKS**

Pluribus Advanced Services

Maximize Your Pluribus Networks Technology Investment with Advanced Services to Reduce Risk, Assure a Smooth Deployment and Accelerate Your Time-to-Value

Highlights

- On-demand incremental resourcing that allows your existing team to focus on core activities

- Expert, hands-on deployment services ranging from evaluation to implementation, to ongoing optimization for all Pluribus Networks technology

- Industry experts to deliver best practices and deep technical expertise when and where you need them

- Comprehensive range of advanced services that complement your current organization's expertise

- Accelerate adoption of new technologies for maximum impact on your operating environment

Overview

By choosing Pluribus Networks Netvisor® technology for your next generation network, you have made an important decision to keep your organization on the leading edge of technology. Now maximize the return on your investment and accelerate your time-to-value by leveraging our highly trained networking experts to help you plan, implement and optimize your deployment.

The Advanced Services team from Pluribus Networks delivers expert resources and advice to support the full life cycle of your network operations to reduce cost, and complexity. Pluribus consultants deliver speed and confidence in the planning and execution of network transformation projects to help avoid costly mistakes and delays by identifying and actively managing risk related to the integration, migration, cutover, and management of the Netvisor-powered network infrastructure.

Our team of expert consultants are among the best in the networking industry with many years of hands-on experience and core competencies in implementing complex network designs, technology migrations, architectural improvements, tuning and optimizing, network error interpretations, and effective knowledge transfer. Our consultants have the engineering and product expertise backed by our extensive knowledge base and the most current documentation to implement proven configurations.

Pluribus Advanced Services capabilities include:

- Assessment services
- Network design and systems integration
- Planning, implementation and optimization
- Technology migration and interoperability
- Operational scale and knowledge transfer

Flexible, On-Demand Resources

From implementation to ongoing tuning and optimization, Pluribus Networks consultants are available to augment your existing network operations staff and accelerate rollout to support large deployments, bridge resource gaps or drive new technology initiatives that help your organization transition to a cloud-optimized network. This can encompass a partial technology refresh where existing infrastructure will be leveraged, a substantial technology refresh, or a completely new infrastructure architecture.

Our highly trained, experienced technicians leverage industry best practices and Pluribus Networks expertise to help guide your organization through the most challenging integration projects to enable a highly reliable, and resilient operating environment, while reviewing compliance requirements and security policies to assure business assets are protected to actively reduce the risk of implementing new technologies.

Advanced Services elements include:

- **Design** — Our consultants review current network design and operational processes to identify performance optimization opportunities and deliver design recommendations that are aligned to an organization's specific goals and requirements. Particular focus will assess how to best leverage existing infrastructure, identify potential implementation gaps and risks, and define comprehensive implementation, testing, and migration plans.
- **Planning** — Our consultants can provide project coordination and planning expertise to streamline your project and accelerate implementation. Our consultants will gather data on existing configurations, identify end-state goals, validate that the needed equipment is available, and craft a detailed deployment schedule.
- **Project Management** — Our network consultants can provide a wide-range of project management services to support simple to highly complex network transformation projects. Our project managers collectively have decades of experience implementing and operating network and security technologies and leverage best practices.
- **Network Integration** — The typical network environment is highly diversified, consisting of multi-vendor technologies. Our expert consultants will help simplify the complexity by integrating Netvisor-powered devices with your existing network environment to ensure complete interoperability and seamless operation.

- **Implementation Services** — Once a final design is ratified, our consultants can lead or augment your team to build-out the Adaptive Cloud Fabric™ environment. Pluribus Networks Jumpstart Services are available to help your team configure, implement, and validate your specific deployment for optimal performance.

Advanced Services Offerings

Advanced Services from Pluribus Networks are as elastic as the network and are available as semi-custom packaged Jumpstart Services, or on a completely customized project basis. Our Jumpstart offerings are designed to provide focused turn-key services built from a pre-defined framework, to support specific aspects of an implementation project within defined time increments to best align to budgets and resource requirements.

Pluribus Networks Jumpstart Services include:

Network Evaluation and Optimization Jumpstart Service
The need to proactively evaluate and implement corrective adjustments to the network to maximize performance on an ongoing basis is critical. Consequently, tuning and optimizing the network requires continuous improvement in the network design by understanding current state and anticipating future requirements. Constant assessment and adjustments results in better performance, higher availability, more predictable service levels, and reduces operational costs.

Pluribus consultants can perform in-depth network health assessments, review device configurations, review performance monitoring analytics data, review monitoring and alerting definitions and policies and discuss deployment-proven best practices. Pluribus consultants can make detailed recommendations for changes to the architecture and specific configurations to assure the network is continuously tuned and optimized based on business and operational expectations.

The Network Evaluation and Optimization service can be used as a comprehensive initial network assessment, or as part of a proactive strategy to continuously tune and optimize an existing Netvisor-powered network. This service can be provided on-site or remotely to help assess current network architecture and help the IT team to identify areas for optimization and consolidation.

The basic Network Evaluation Service includes:
- Two-hour initial phone consultation
- Extensive network evaluation, may include remote access into existing network
- Recommendation for optimizations and transformation

More extensive and customized evaluation and optimization programs can be defined to meet the requirements of your organization.

Netvisor OS and Adaptive Cloud Fabric Jumpstart Service

This service is focused on the implementation and deployment of the Netvisor Operating System on compatible open networking hardware or the Pluribus Freedom™ series hardware. Offered in two-day increments, this service provides planning and implementation for switch-level installations as well as building, provisioning and operating the Adaptive Cloud Fabric architecture. Typical components of this service include:

• Existing network and set-up assessments
• Initial switch set-up, including ONIE installation as required
• Netvisor OS installation and configuration
• Basic Netvisor switch configuration
• Advanced services and feature configuration
• Embedded Netvisor telemetry set-up
• Adaptive Cloud Fabric implementation
• Optimization and troubleshooting
• Deployment-specific training and knowledge transfer

Pluribus UNUM Jumpstart Service

This service is focused on accelerating Pluribus UNUM™ management, automation and analytics platform deployments. Offered in one-day increments, the Pluribus UNUM Jumpstart Service is focused on implementing the UNUM management platform and initiating initial automation playbooks that may be replicated for ongoing deployments. This service can also include implementation support for the Insight Analytics™ Network Performance Management module for new deployments. Typical components of this service include:

• Install UNUM application on Pluribus supplied or customer provided server hardware
• Configure and provision high capacity cluster appliance if purchased
• Configure and optimize the Pluribus UNUM application
• Define UNUM parameters and initiate initial automation playbooks for Layer 2 or Layer 3 deployments and implement Spine, Leaf or Spine-Leaf definitions
• Develop custom automation playbooks for future network expansion as required
• Basic UNUM Insight Analytics installation, definition and configuration (if licensed)
• Implement topology mapping to include third-party device visualization
• Define and verify diagnostics implementation and define alerting (Diagnostics alerting requires Insight Analytics be activated)
• Assist with Application Flow Mapping definitions (if licensed)
• Deployment-specific training and knowledge transfer

Pluribus Insight Analytics Jumpstart Service

The Insight Analytics Jumpstart Service reduces the time to install, define and implement the Network Performance Management and Monitoring framework provided by the UNUM Insight Analytics module. Offered in one-day increments, Insight Analytics Jumpstart can range from basic implementation, to extensive definitions of monitored services, filters, alerts, reports and data source configurations. The Pluribus UNUM application is required for Insight Analytics to operate. If both the UNUM and Insight Analytics are being deployed for the first time, the Pluribus UNUM Jumpstart program should also be selected, or a custom implementation service of UNUM and Insight Analytics can be defined. Typical components of this service include:

• Activation and configuration of the Insight Analytics application module
• Assumes the server hardware is already implemented with UNUM, but can include upgrading to and configuring the high capacity cluster appliance if purchased
• Netvisor OS telemetry set-up
• Implement vProbes for VMware hypervisor monitoring
• Integrate sFlow or Netflow monitoring from third-party devices
• Define and implement custom tagging for service definitions and service mapping
• Implement custom filters and alerting definitions
• Deployment-specific training and knowledge transfer

Advanced Training and Educational Services

Pluribus Networks offers a full range of training courses that enable network professionals to efficiently gain advanced knowledge and quickly ramp on Pluribus Networks next generation networking technologies. Courses are designed to deliver deep understanding of the Netvisor OS technology and the Adaptive Cloud Fabric principles. Courses span from basic architectural discussions, to best practices with hands-on labs for configuring, operating provisioning and maintaining a Netvisor-powered network.

Backed by Comprehensive Support

To help optimize your technology investments, Pluribus Networks and our global partners can deliver a comprehensive range of advanced services spanning the entire network lifecycle to protect investments and help accelerate success when deploying and optimizing the Netvisor Operating System, Adaptive Cloud Fabric and next generation network architectures. Multiple extended support options are available, including 24x7 on-demand global support, on-site support and advanced hardware replacements. Maintenance options includes direct access to a team of expert network engineers with deep networking experience, and our self-service on-line Customer Portal.

For more information about Pluribus Networks Advanced Services and Support options, please visit http://www.pluribusnetworks.com/support or contact a Pluribus Networks authorized reseller.