It is no longer sufficient to say that the business depends on the network – in reality, the business is embodied in the network. The business makes huge demands on the network teams to reduce costs, deliver new services, and maximize availability. Likewise, major priorities driven by operations include managing network growth and complexity, reducing costs, and maintaining compliance and security. Two key challenges, however, make it difficult for network teams to meet these priorities. First, they are challenged with managing an expanding network that is amorphous and constantly changing. Second, the management framework that worked for them in the past is simply not scaling to meet their needs today. For network engineering and operations teams, translating those business requirements into operational requirements means maximizing network availability and performance, optimizing resource utilization, minimizing liability and risk associated with the network through compliance and security, and meeting service level agreements.

The HP Solution

The HP solution for Automated Network Lifecycle Management (ANM) is an integrated set of proven products spanning the network management domain to give you complete control of your physical and virtual network infrastructure—the foundation for all business services delivered. For unified fault, availability, and performance management, the solution includes HP Network Node Manager (NNMi) software and the NNMi smart plug-ins (iSPIs) for Performance Metrics, Traffic, and Quality Assurance. HP NNMi software and iSPIs deliver continual network discovery: unified fault, availability, and performance monitoring, and automated root-cause analysis for dynamic network environments. HP NNMi enables network management teams to quickly detect, locate, and diagnose faults and performance degradations of the network, analyze the business and service impact of outages, and ultimately increase network operations staff efficiency and productivity. To help you cope with the explosive growth and increasing complexity of networks, HP Network Automation software gives you a single platform, regardless of manufacturer, to automate change and configuration updates while enabling compliance by automating time-consuming and error-prone tasks, and reduces the burden that compliance and security place on the IT organization. It provides real-time network visibility and control, and automates change detection and configuration updates, policy enforcement, provisioning, and patching. Since automating processes is just as important as automating specific tasks in today’s complex networks, the HP solution includes the iSPI Network Engineering Toolset. This smart plug-in to NNMi enables you to automate common operator tasks associated with troubleshooting network faults, optimize network performance through advanced trap analytics, and export topology maps to MS Visio format for planning purposes. HP iSPI NET automates routine tasks to improve accuracy and efficiency, and reduce costs. HP Software Professional Services provides the right combination of consulting expertise, education services, and HP Network Management Center software to deliver business outcomes for your ANM solution.

The HP Approach

HP uses a phased service approach structured to provide quick realization of value while directly mapping to key business drivers and
managing implementation risk. HP recommends that the phases in any implementation are time-boxed, with clear expectations of what each phase will deliver. The approach has five main process groups:

- Initiating – Project sponsorship and authorization
- Service Planning – Overall project planning and scoping
- Executing – Project delivery processes
- Controlling – Project control and reporting processes
- Closing – Project closure and transition to production operations

Solution Implementation

The first step in adopting the ANM solution is to determine the customer’s goals, requirements, and existing processes and environment to structure the project to meet the business objectives. This activity is done jointly between HP Software Professional Services specialists and the customer through a series of workshops to create the project plan.

Depending on the results of the workshops, HP Software Professional Services will typically perform the following types of activities:

- Initialization, assessment, design, and planning workshops
- Installation and configuration of the ANM product suite (NNMi, NA, iSPI Performance Metrics, iSPI Performance Traffic iSPI Performance Quality Assurance, iSPI NET)
- Integration and configuration of the ANM products to align to processes
- Testing and acceptance
- Documentation of the deployed ANM solution

Activities may also include:

- Integration with other HP Software products (e.g. Operations Manager, uCMDB, RAMS, OVPI) for a seamless automated operations management and capacity planning solution
- Integration of NNMi to HP Business Availability Center for application performance management
- Integration of HP Operations Orchestration for Run Book Automation
- Integration of third-party systems into ANM

HP Software Professional Services specialists will be actively involved during the entire planning, implementation, testing, and acceptance phases while also providing overall project governance to ensure successful implementation and adoption of the ANM solution.

Why HP Software Professional Services?

HP Software Professional Services has decades of experience working on IT Service Management initiatives and was a major contributor to ITIL v3. Additionally, HP Software Professional Services has vast experience implementing network management solutions and technology. HP provides organizations with both the process and technology foundations needed to help customers optimize costs, improve service quality and operational efficiency, mitigate risk, and demonstrate value to the business.

Additional Information

For more information, contact your HP representative or email HP Software Professional Services in your region: http://www.hp.com/go/bsmservices

HP is the global leader in business technology optimization (BTO). We are committed to helping customers optimize the business outcome of IT.

www.hp.com/go/software