



IPControl Sapphire Streamlines IPAM, DHCP and DNS Management

IPControl Sapphire from BT INS provides a comprehensive IP address management solution that can be deployed as software and/or as Sapphire appliances. IPControl features a centralized management approach where configurations can be deployed to multi-vendor DHCP/DNS servers, including ISC, Microsoft or Sapphire platforms.

IPControl is a full-cycle IPAM system enabling top-down modeling of IP address space, subnets, and IP addresses as well as associated DHCP pools, policies, options, client classes and DNS domains, resource records and configuration parameters. Multi-level discovery capabilities are included with the system to track DHCP pools, discover router subnets, IP hosts, and even layer 2 switch port mapping. This unique feedback loop enables reporting of database discrepancies with network actuals, facilitating inventory accuracy and detection of potentially unauthorized devices, as well as subnet and IP address reclaim.

IPControl provides multiple administrator access with administrator roles and individual policies to scope access to authorized system functions, portions of the network, DNS domains, device types, block types and more. External administrator authentication is also provided to enable customers to leverage current administrator authentication systems. IPControl is unsurpassed in user definability, allowing customers to manage IP space on their terms. Containers enable hierarchical modeling of addressing topology, user defined device types, naming policies, allocation templates, and user defined fields (UDFs) all provide adaptability of IPControl Sapphire information to customer terms. A web services API and CLIs enable integration of IPAM functions within broader IT or Operations environments, further enhancing IPAM automation and integration.

Sapphire platforms are available in three models, ranging from Sapphire 20, a data center quality 2U platform, Sapphire 10, a mid-range platform to Sapphire 5, a branch office platform. Nortel customers can mix and match



Leveraging the strengths of its Developer Partners and their Compatible Products, the Developer Program has become a key contributor in the success of Nortel by broadening its reach and responsiveness in meeting the needs of its channels and customers. Each Nortel Compatible Product has met established requirements for integration, functionality and stability, further reducing total cost of ownership.

IP address management (IPAM) is a critical necessity for today's IP networks, which grow more and more complex as new IP services and technologies are deployed. Whether your business serves customers, employees, partners or suppliers, your end users rely on seamless IP address assignment and rapid name resolution to utilize IP network resources.

IPControl™ Sapphire is a next-generation, centralized IPAM system that enables service providers and Nortel customers to take control of their IP address space and manage it according to their own policies and procedures. IPControl uses a centralized management approach, providing an accurate, consistent IP database with the ability to deploy DHCP and DNS server configurations to native ISC, BIND, Microsoft and IPControl Sapphire DHCP and DNS servers.

deployments of various models. All models feature 4 network interfaces with configurable ACLs, port bonding and static routing. Sapphire 20 features dual hot-swappable power supplies and hard drives, as well as redundant CPUs and an integrated platform management interface (IPMI) for lights-out management. Sapphire 10 and 20 platforms may also be deployed as the centralized Executive, providing a pre-packaged appliance solution for all IPAM components from the centralized Executive and database to distributed DHCP/DNS servers.

IPControl, whether implemented as software on customer hardware or as a Sapphire Executive, enables integrated monitoring, configuration, and upgrade management of distributed Sapphire DHCP/DNS appliances. IPControl Sapphire is a carrier-class IPAM solution with support for IPv4 and IPv6 today. All components may be deployed in redundant configurations, from the Executive system, to DHCP servers with failover, to multiple DNS servers, to Sapphire TwinMirror dual appliance clustered deployments. IPControl Sapphire scales as evidenced by management of networks with over 65 million IP addresses in production today.

IPControl Sapphire offers the most comprehensive IPAM solution on the market today, enabling Nortel customers to streamline and integrate IPAM processes. IPControl Sapphire enables software and/or appliance deployments for simplified procurement, deployment, configuration, and management of distributed DHCP and DNS servers.

IPControl provides Nortel customers with the ability to centrally perform IP address management of their IT infrastructure over a network infrastructure that includes Nortel network gear such as Nortel Ethernet Routing Switches 5500, 8300, and 8600 series as well as Nortel Secure Routers.

Company Information

Company Name:
BT INS

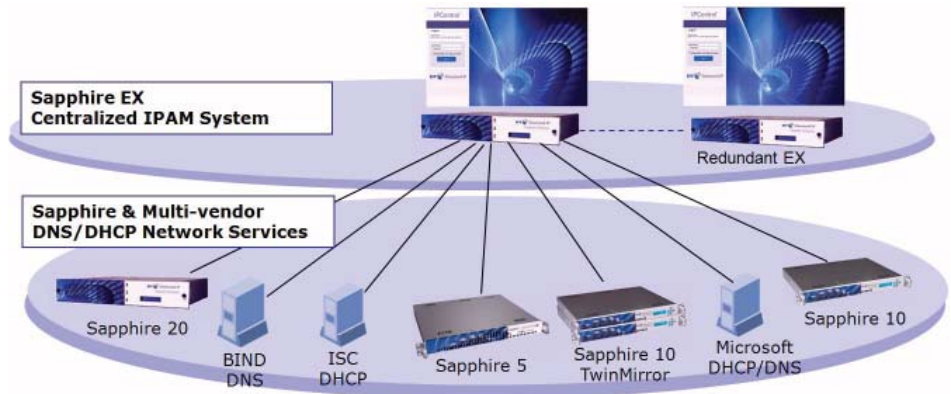
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For all inquiries on this product, please provide the following reference code: NT-IPC



Compatibility Information:

IPcontrol Sapphire Appliances Rel 2.2 and IPcontrol Rel 2.2 were verified as compatible in a controlled laboratory environment. For complete compatibility details, including specific Nortel platforms and releases, please refer to the Certificates of Compatibility at:

www.nortel.com/prd/dpp/product/prodpages/z6329.html

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