

# IPControl IPAM Software.

Advanced DNS, DHCP, IPAM (DDI) Solutions.



## IPAM is foundational to your network.

IP address management (IPAM) is a critical necessity for today's IP networks, which grow more and more complex as you deploy new IP services and technologies. 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.

### Get Complete IPAM in one system.

IPControl™ is an advanced, centralized IPAM system that enables service providers and enterprises to take control of their IP address space and manage it according to their own policies and procedures. Using IPControl, organizations can achieve dramatic improvements in operational efficiency by simplifying and automating manual processes, reducing network downtime and creating a more stable and robust IP infrastructure capable of supporting BYOD, VoIP, WLAN, Video and IPv6.

IPControl is the most advanced and innovative IPAM solution available today. Available as a software application or pre-installed on Sapphire appliances, IPControl provides centralized, full lifecycle management of mission-critical IPAM functions, including IPv4 and IPv6 address space allocation/ reallocation, assignment, pool monitoring and

utilization tracking, inventory assurance with layers 2 and 3 discovery, true address and subnet reclaim, and creation and deployment of multi-vendor DNS and DHCP configurations.

### Integrate existing multi-vendor DNS/DHCP.

Unlike many of today's IPAM solutions that only manage IP address space in a static database or require a complete forklift "upgrade" of your existing infrastructure, IPControl integrates with your existing DNS and DHCP environment, providing support for Internet Systems Consortium (ISC DHCP and BIND DNS), Microsoft, Cisco Network Registrar (CNR), and Sapphire DNS/DHCP appliances. In addition, IPControl's extensive APIs/CLIs enable integration points between IPControl and external systems for advanced automation and workflow of IPAM tasks and processes.

### Enhance administrator control.

IPControl's intuitive user interface, extensible templates and built-in validation features enable accurate configuration, consistent policy deployment and centralized management of IP address space and distributed DNS/DHCP servers even by non-expert users. In addition, granular access controls enable varying levels of responsibility to be delegated to multiple administrators across multiple dimensions.



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## Features.

IPControl is a fully integrated software and appliance solution for the inventory, configuration and capacity management of IPv4 and IPv6 address space and multi-vendor DNS/DHCP servers.

### Address Planning.

- One-click multi-allocations of IPv4 and IPv6 networks allocated to any CIDR size or prefix length with ability to configure individual IP addresses, ranges or address pools within networks.
- Automated and manual IP address and subnet reclaim maximize address utilization efficiencies while providing further automation and time savings.
- User-defined policies determine which block and device types are permitted within the hierarchy and who can administer them.
- Address utilization trending and forecasting enables proactive address capacity management.
- Simplified address renumbering allows movement of address space to where it's needed.

### DNS/DHCP Server Configuration.

- Server templates streamline the server configuration process.
- Support for DHCP failover, multi-tiered addressing, multi homed hosts, DNS views, DHCP client classes, transaction signatures, MAC address processing, client ID, dynamic DNS, DNS firewall, DNSSEC and more.
- Advanced features configuration via the GUI for views, TSIG/GSS-TSIG, logging, address match lists, options and more.
- Integrated support for BT, ISC, CNR, and Microsoft DNS and DHCP servers.

### Accountability and Control.

- Patented container structure enables address management according to your topology, geography or other user-defined hierarchy.



- Layer 2 switch, Layer 3 router, ARP and IP discovery provides IP inventory assurance and identifies potential access control violations.
- Advanced IPv6 address management enables automated block allocation, ip6.arpa domain creation, AAAA/PTR resource record automation.
- User-defined thresholds and alerts provide notification of impending address depletion.
- Granular administrator policies dictate access to functions, geographies, domains, subnets and blocks.
- Audit reporting promotes accountability and history tracking for administrators, subnets, devices, IP addresses and container.

#### Offices worldwide

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