

IP Address Management Made Easy.

Centrally manage your IP address space and DNS/DHCP core network services from a single pane of glass to increase productivity and reduce IT costs. That's the power of Proteus IP Address Management.



Solution Benefits

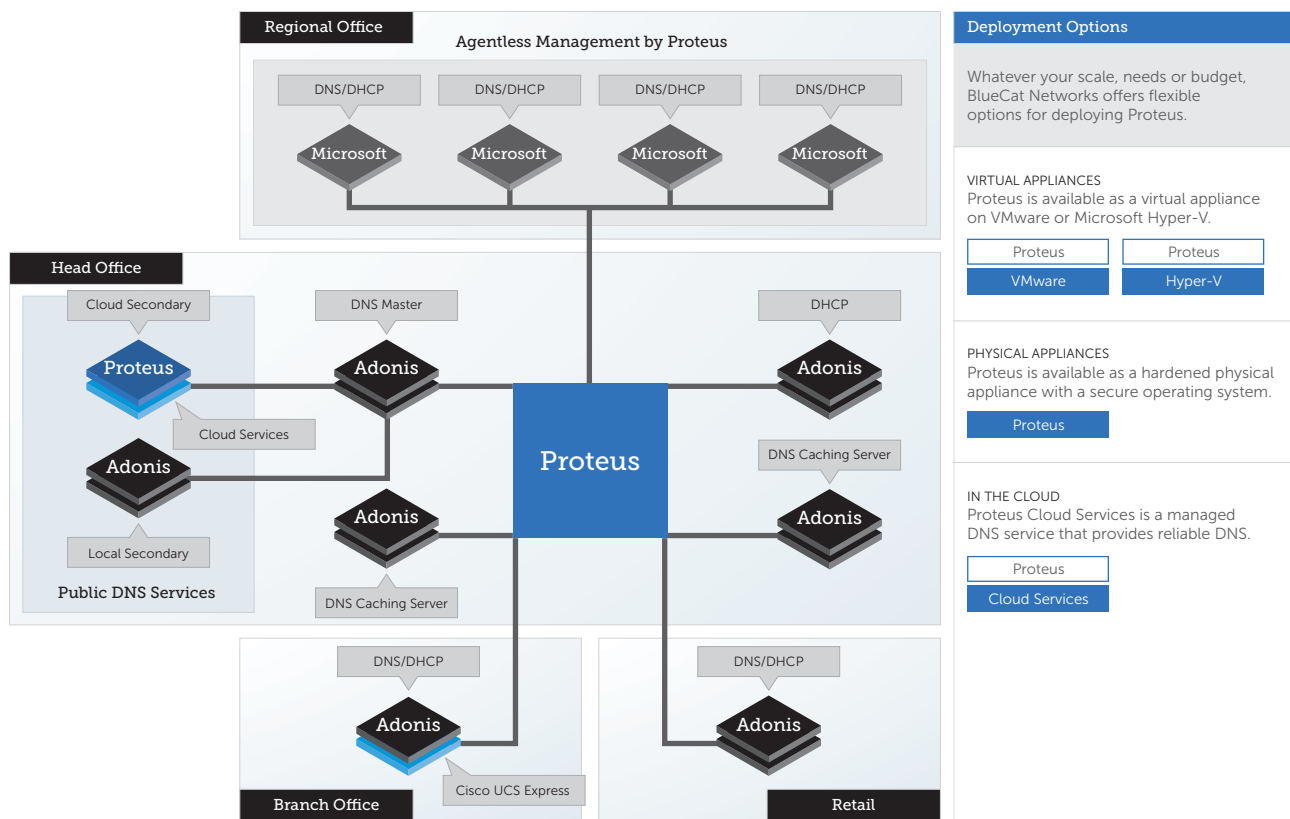
- Centrally manage "everything IP" across your network with ease
- Reduce the burden and cost of managing DNS/DHCP core services
- Quickly and easily provision IP addresses and core network services
- View IP address and name space data across geographies, data centers and business units
- Assign and delegate network configuration workflow with full approval controls and auditing
- Grow your network infrastructure without fear of address overlaps or service outages

Managing Your IP Address Space, DNS and DHCP Has Never Been Easier.

The explosive growth of networks, mobile devices and IP usage has created a major management issue for IT departments. To keep pace, your organization needs a flexible, resilient and simple solution for managing IP addresses and DNS/DHCP core network services. BlueCat Networks' Proteus replaces inefficient legacy IP address management solutions including frustrating spreadsheets and error-prone manual processes with a single easy to use, secure and scalable software solution.

Proteus enables you to manage, track and assign IP addresses, networks and hostnames – all from a single Web-based management interface. With the ability to centrally manage and monitor your IP address space and DNS/DHCP core services, Proteus provides complete visibility and control over all aspects of your name and address infrastructure – whether you use Windows or BlueCat Networks' own Adonis DNS/DHCP solution.

In addition to automating IP provisioning and reducing IT costs, Proteus also provides an essential technology for transitioning to new technologies like IPv6 and DNS Security (DNSSEC). With Proteus, you can future-proof your network and better manage growth and change.



How It Works

Proteus seamlessly integrates with the BlueCat Networks Adonis DNS/DHCP appliance, as well as with Microsoft Windows DNS and DHCP, to provide a unified solution for managing your IP address space and DNS and DHCP core services. Together, Proteus and Adonis ensure that your business-critical IP address and name infrastructure is reliable, cost-effective, scalable and secure. By simplifying and automating IP Address Management, Proteus reduces the time and effort administrators spend configuring and managing their growing IP infrastructure. Proteus also provides extensive failover, high availability and disaster recovery features to safeguard your organization against potential IP service outages.

Features

BlueCat Networks' Proteus IPAM solution reduces IT costs and delivers value in four key operational areas:

Efficient Network Management

Flexible Role-Based Access Control

Define permissions for any number of zones or networks at a high or low level to assign or restrict access rights to those who need it – regardless of their physical location or logical area of responsibility. Customize configuration controls to ensure that administrators and operators have the appropriate level of management rights based on their skills and experience. Concurrent administration allows multiple users to make network changes simultaneously, while avoiding conflicts.

Quick Actions New

Quickly perform recurrent actions such as adding hosts, IP addresses and DHCP information directly from the Proteus home page. By providing a simple, streamlined user interface for adding DNS and IP data, Proteus reduces the time required to perform common tasks by up to 80 percent. Pull-down menus eliminate the need to remember IPs and zones, while pre-selection of first available IP address enables quicker task completion, even by junior and non-technical users.

Workflow

Proteus includes a fully integrated change control system for managing workflow, network changes and delegation. Less experienced administrators or help desk personnel can create change requests, but changes will not be implemented until they are approved by more senior staff. This allows you to take advantage of a larger pool of personnel, while ensuring clear accountability for changes.

Tracking and Auditing

Proteus includes comprehensive transaction auditing to provide the real-time and historical data you need to answer important questions such as who, what, where and when. Each DNS and DHCP change is listed with user names and time stamps associated with it. Tracking user transactions helps you to comply with internal policies and external regulations such as HIPAA and SOX.

Industry-Leading Virtualization Support Enhanced

Proteus is available as an easy to deploy and maintain virtual appliance that combines a secure operating system with best-in-class IPAM software to deliver low total cost of ownership, high performance, security and scalability. Proteus supports both VMware and Microsoft Hyper-V, giving organizations a choice of virtualization platforms.

Global Visibility and Scope

Centralized Management

Proteus presents a business-centric view of all IP, DNS and DHCP data regardless of where it resides on your network. The ability to view and manage "everything IP" from a single pane of glass simplifies management and saves you time and resources. Assigning a new IP address within Proteus will also create the DNS host and DHCP reservation, allowing a single action to update multiple services.

Integration of IP Address, DNS and DHCP Data

DHCP and Dynamic DNS (DDNS) ease administration burdens by removing the need to manually assign IP addresses and hostnames. As a result, DNS and DHCP services are now so closely intertwined that consolidated management of both is essential. Proteus goes even further by adding IPAM to the integrated view. Proteus provides a view of every device on your network including its MAC address, DHCP lease information and DNS host record.

Scalability

Proteus provides the industry's most scalable solution for centrally managing IP addresses, DNS and DHCP across even the largest network environments. A single Proteus IPAM solution is being used by customers today to handle millions of IP addresses, hundreds of thousands of networks and DNS zones and hundreds of data centers and DNS/DHCP appliances – all from a single unified interface.

Out-of-the-Box Support for IPv6 Enhanced

Proteus delivers the industry's most comprehensive IPv6 support for DNS and DHCP. In addition, Proteus provides IPv6 support for critical management services including NTP, SSH and SNMP. With built-in IPv6 and IPv4 discovery and reconciliation, Proteus helps you transition to IPv6 and manage IPv6 and IPv4 environments from a single interface.

Multiple Levels of Process Automation

Scheduled and On-Demand Deployments

DNS and DHCP data configured in Proteus does not go live until you choose to deploy it to your DNS/DHCP servers (Adonis and/or Windows). You can deploy changes on demand or schedule deployments to occur at off-peak hours.

Integrated Data Validation Tools

Proteus includes several tools to ensure that your data is clean. As you add new data into the system, Proteus validates it for syntactical or logical errors. You can also schedule Proteus' Data Checker to examine DNS and DHCP data for industry best practices and configuration errors.

Web Services API

All Proteus IPAM features including DNS, DHCP and IP inventories are accessible via a simple, unified Web Services API, making it simple to integrate Proteus with other systems for trouble ticketing, network automation or asset/configuration tracking.

Network Integration Enhanced

Proteus is designed to integrate seamlessly into your network environment. LLDP-based Layer 2 discovery gives you greater visibility and access to critical information for switches and routers. SNMP simplifies monitoring of your entire network environment.

Automatic Network Discovery

The Proteus Network Discovery tool uses SNMP to speak directly to routers and switches, enabling Proteus to automatically update network data such as MAC address, router and switch information and find changes to IP-enabled devices across geographically-dispersed networks. After finding addresses that have been newly added and recently removed from the network, the discovery tool also identifies conflicts based on DNS hostname and MAC address.

IP Reconciliation Policies New

Compare changes to discovered data in order to identify unused or unauthorized IP addresses for reclamation. Create acceptance criteria to automate the reconciliation of network discovery data in order to enforce network policies and reclaim unused, but reserved network space. By automating the reconciliation process and introducing robust policy control to network discovery, Proteus saves time and manual effort.

Network Planning and Modeling

Network Templates

Pre-design your networks based on your unique business requirements. You can create one or more network templates that include settings such as non-standard default gateway addresses, DHCP ranges, host record data and DNS/DHCP deployment options. Templates save you time and manual effort by eliminating the need to "reinvent the wheel" every time you need to configure a network.

Proteus Configurations

Manage overlapping IP spaces through the creation of separate Proteus configurations. Separate IP infrastructures can co-exist while the IP integration process is planned and deployed. Alternatively, you can create a configuration space for each division in your organization or for each data center or geographic region.

About BlueCat Networks

BlueCat Networks is a leading provider of smart, simple, scalable IP Address Management (IPAM) solutions. With tightly integrated IP core services, our software solutions give organizations the power to centrally manage “everything IP” in their network from a single pane of glass. The result is a dynamic network that is more resilient, cost-effective and easier to manage.

Rated in the highest “Strong Positive” category in the Gartner 2011 MarketScope for DNS, DHCP and IP Address Management, BlueCat Networks’ feature-rich and future-ready solutions have helped Global 2000 companies and government agencies reduce costs and solve today’s most critical IT challenges – from accelerating the rollout of new services and optimizing core services in the branch office to data center virtualization and consolidation. We also help organizations manage growth and change by easing the transition to new technologies such as IPv6 and DNS Security (DNSSEC). www.bluecatnetworks.com



The IPAM Intelligence Company
www.bluecatnetworks.com