

Windows IPAM Simplified.

Centrally manage all of your windows DNS and DHCP servers from a single pane of glass to increase productivity and reduce IT costs. That's IPAM simplified.



Solution Benefits

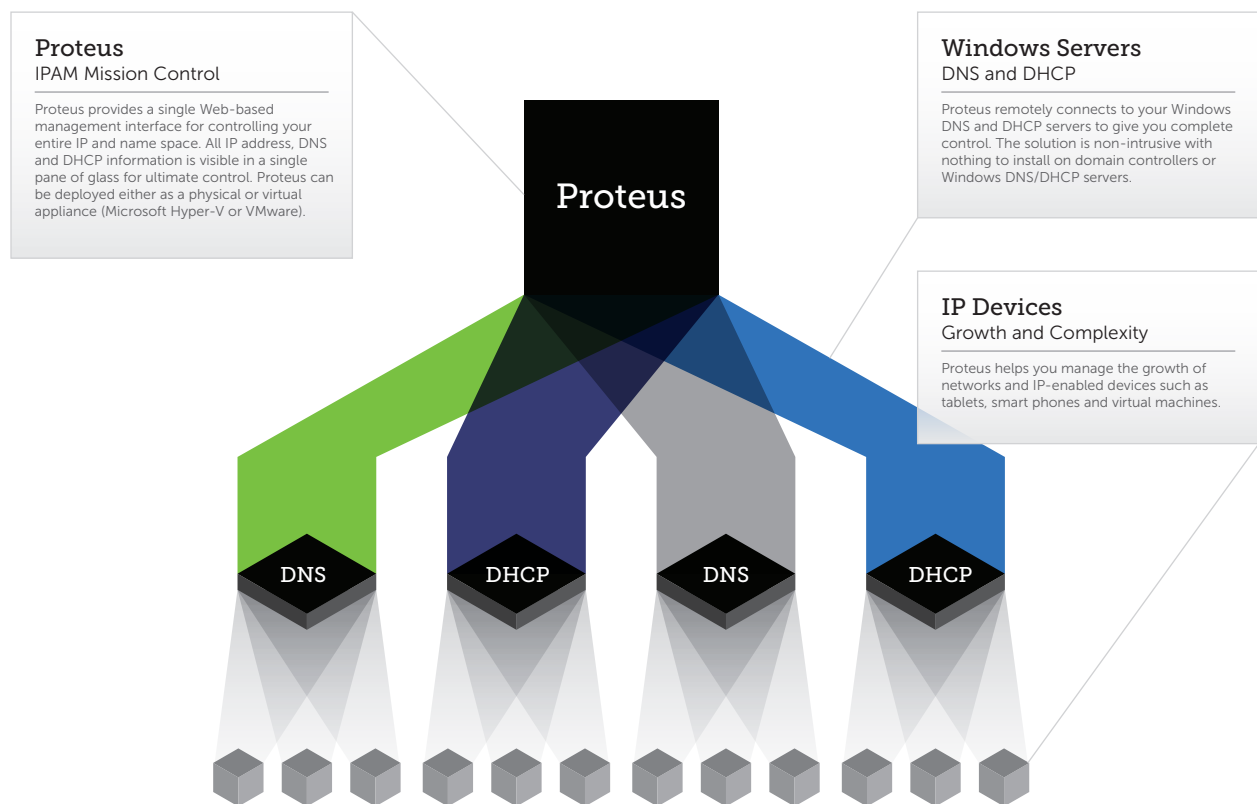
- Centrally manage all Windows DNS and DHCP servers from a single Web-based interface
- Gain an intuitive view of your entire IP network – no more searching server-by-server
- Increase productivity, reduce errors and lower overall network management costs
- Delegate tasks to helpdesk or less experienced staff – with approval controls and auditing
- Deploy Proteus IPAM on Microsoft Hyper-V, VMware or opt for a network appliance.

Managing Your Windows DNS and DHCP Servers Has Never Been Easier.

The explosive growth of new IP-enabled applications and devices such as tablets, smart phones and virtual machines has created network management challenges for organizations. As Windows networks grow larger and more complex, organizations often struggle to manage Windows DNS and DHCP core services effectively using the Microsoft Management Console (MMC) alone.

Inefficient, error-prone network management can hinder the successful launch of new services and IT initiatives such as virtualization, cloud computing, Voice over IP (VOIP) and Unified Communications (UC) – which is why IP Address Management (IPAM) is now top-of-mind for many CIOs.

Proteus, BlueCat Networks' industry-leading IPAM solution, brings all IP, DNS and DHCP information into a single pane of glass to simplify network management, reduce costs and increase the reliability of core services. Proteus can be quickly and easily added to your existing Windows network to provide flexible role-based access controls, automation, change control, delegation and auditing. By complementing and extending the MMC, Proteus helps you make the most of your Microsoft infrastructure investment.



How It Works

Proteus overlays onto your Windows network quickly and easily. There is no need to upgrade or replace your existing servers. Proteus will remotely connect to your Windows DNS and DHCP servers to give you complete control. There is nothing to install on domain controllers or the Windows DNS/DHCP servers. When Proteus first synchronizes with the Microsoft DNS/DHCP servers, DNS and DHCP information is automatically added to the Proteus appliance, mapping and cataloging the entire network environment into the IPAM database. From that point forward, Proteus acts as mission control, allowing you to view and manage all of your DNS and DHCP servers from a single Web-based interface. Smart, simple and scalable, Proteus makes it easy to centrally manage even the largest Windows network.

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 key external regulations such as the Health Insurance Portability Accounting Act (HIPAA) and Sarbanes-Oxley (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.

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 Windows servers. Depending on your organizational needs, 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. This API makes it simple to integrate Proteus with other systems for trouble ticketing, network automation or asset/configuration tracking.

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



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