



Proteus MAC Registration Portal  
for Campus Networks

# Proteus MAC Registration Portal

Easily register and track all devices on your campus network and integrate device registration with IP Address Management, DNS and DHCP for complete visibility and control.



## Solution Benefits

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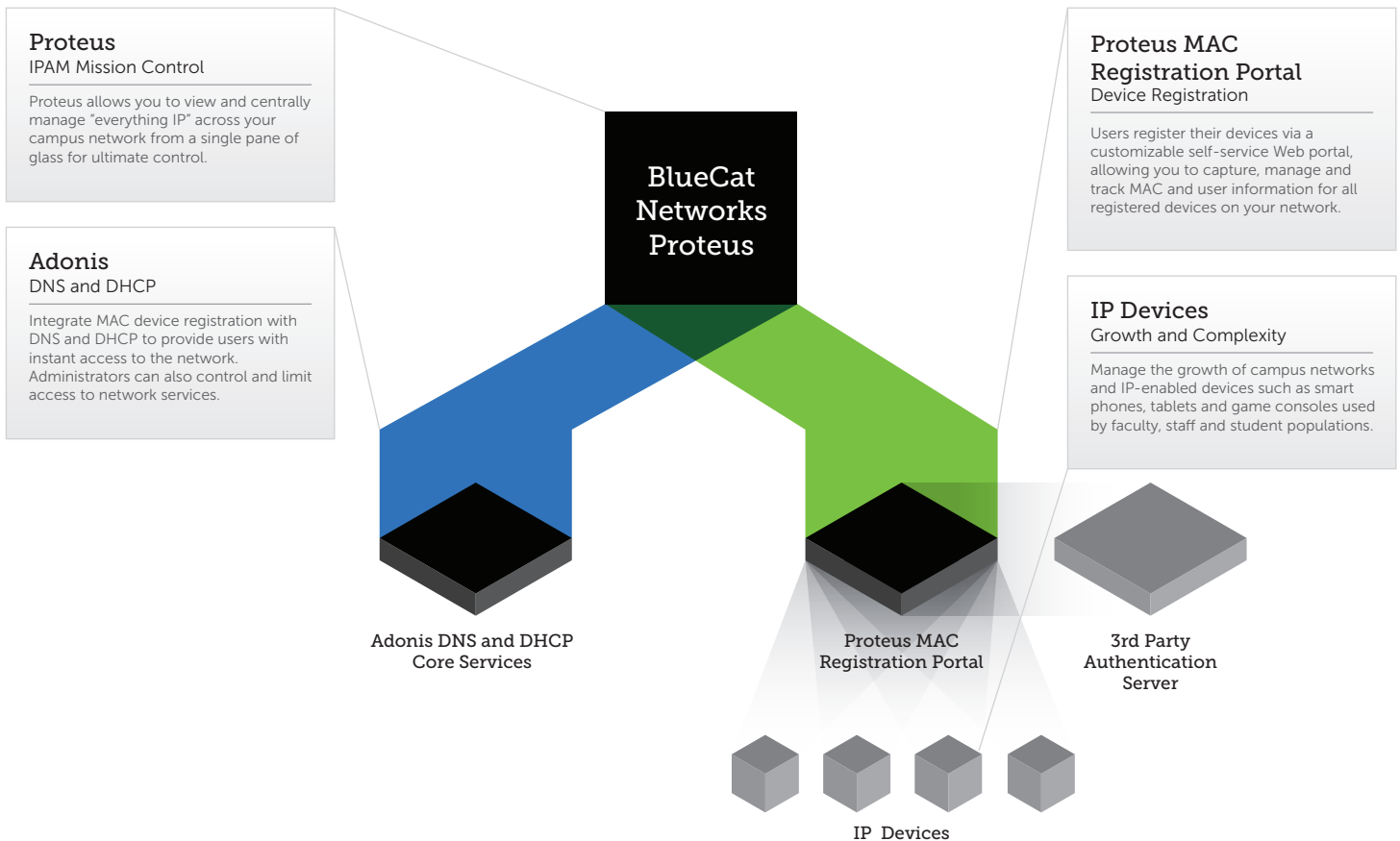
- Track the relationship between user, MAC address and IP address for all connected devices
- Integrate device registration with IPAM, DNS and DHCP for global visibility and control
- Restrict network access to allowed users and monitor abuse
- Limit the number of devices that can connect to the network
- Efficiently delegate administration to free up expert resources
- Brand the portal with your own look and feel using customizable header, footer and CSS styles

# Registering and tracking all devices on your campus network has never been easier.

Universities and colleges struggle to manage the explosive growth of IP-enabled devices connecting to campus networks including faculty and students' personal laptops, smart phones, tablets and gaming consoles. IT departments must balance the need for students, faculty and staff to quickly and easily access the network with the requirement for security and accountability.

BlueCat Networks' Proteus MAC Registration Portal allows you to easily register and track all devices connecting to your campus network, regardless of who owns them. Users must first register their devices using the self-service Web portal before they can access your network. The automated solution improves efficiency and response times by effectively eliminating IT involvement in device registration.

Easy to deploy and maintain, the Proteus MAC Registration Portal provides everything you need to manage device registration as a single virtual machine. There is no need to set up and maintain a separate server and operating system to handle device registration. Best of all, the Proteus MAC Registration Portal is tightly integrated with IP Address Management (IPAM), DNS and DHCP to provide centralized visibility and control.



## How It Works

With a fully customizable look and feel, the Proteus MAC Registration Portal easily integrates with your existing Web site and usage policies. Users attempting to connect to your network are redirected to the secure Proteus MAC Registration Portal where they must first register their device by logging in with their existing campus credentials. Information about the user's device may be captured through auto-detection or entered manually. Once the required device information is submitted, DHCP and IP address management services are automatically updated to add access for the device based on your existing policies, granting the user immediate access to the network and all available services. The self-service portal accelerates device registration response times and improves the user experience for students, faculty and staff. Network administrators can view and track detailed information for all registered devices in real time for enhanced security and control.

# The Proteus MAC Registration Portal

The Proteus MAC Registration Portal provides the ability to track all connected network devices, regardless of who owns them, providing control in an environment where the organization does not manage the devices that connect to the network.

The screenshot shows the Proteus MAC Registration Portal interface. At the top, there is a dark blue header with the BlueCat Networks logo on the left and navigation links for 'Online Help', 'Welcome username', and 'Logout' on the right. The main title 'Network Registration' is centered in the header. Below the header, a grey box contains instructions: 'The information below reflects the IP and MAC address of the machine you are currently using. To register this machine, please click the "Register" button. If you wish to register a different device, please enter the MAC address of that machine and click register.' The registration form includes fields for 'MAC Address' (with 'Detect' and 'Clear' buttons and a '01-23-45-67-89-ab' value), 'Description' (with 'Personal Laptop' value), 'Operating System' (with 'Windows' value and a dropdown arrow), and 'Type of Registration' (with 'Dynamic' selected and 'Reserved' as an option). A blue 'Register' button is at the bottom of the form. A footer contains the copyright notice: 'Copyright © 2011 BlueCat Networks. All rights reserved.' Five callout boxes provide additional context: 1. 'Brand the portal with your own look and feel (customizable header, footer and CSS styles).' points to the header. 2. 'Auto-detect the connecting device's MAC information.' points to the 'Detect' button. 3. 'Manually enter information to register devices without browser access (printers, consoles, etc.)' points to the MAC address input field. 4. 'Provide help to guide users' points to the question mark icons in the form fields. 5. 'Gather data specific to your organization' points to the footer.

## Five Key Capabilities

The Proteus MAC Registration Portal delivers accountability, delegation of control, auditing, security and integration with IP Address Management and DNS and DHCP core services.

### Accountability

View and track all registered devices on your network and tie connected devices back to specific users and IP addresses to monitor who is accessing which resources.

### Delegation of Control

The self-service Proteus MAC Registration Portal reduces the burden on IT staff by removing the need for IT involvement in time-intensive device registration. Built-in administration functionality allows departments, facilities and helpdesks to troubleshoot issues and assist users in registering their devices.

### Auditing

Track and audit registered devices back to a user in the event of malicious activity and prohibit users from connecting large numbers of devices to your network.

### Security

Limit connectivity to your network and the Internet to only authorized users. Discover and remove malicious users and devices from your network and track and audit the relationship between IP address, MAC address and user for accountability in the event of a security breach.

### IPAM Integration

Capture all device registration within the Proteus IPAM solution for centralized visibility and tracking of "everything IP" in your network. Eliminate the need for IT staff to maintain separate systems for device registration, IP address management, DNS and DHCP.

## 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](http://www.bluecatnetworks.com)



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