



IPAM for the Cisco Unified  
Computing System Express

## Managing your lean branch office architecture has never been easier.

Ensure branch resiliency and reduce IT costs with BlueCat Networks' IP Address Management, DNS and DHCP solution for Cisco UCS Express – a Cisco-compatible solution that delivers resilient local core services and efficient centralized management and control.



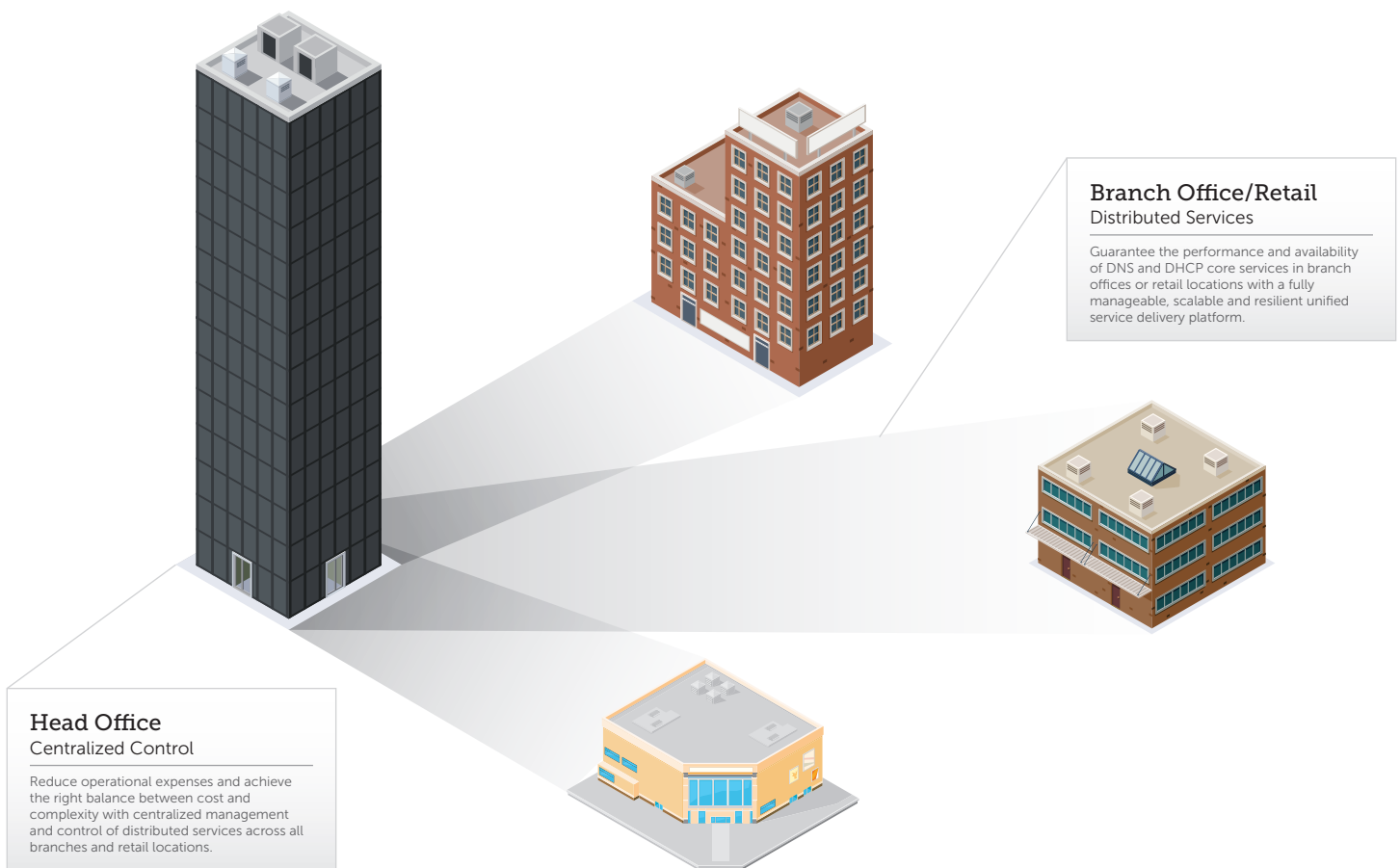
### Solution Benefits

- Optimize core services at the edge and reduce IT costs with a lean branch architecture
- Centrally manage and control DNS/DHCP core services across all branch locations
- Ensure the availability of local applications and services without requiring new hardware or multiple WAN links
- Delegate workload to local resources while maintaining full accountability and compliance
- Leverage existing Cisco ISR G2 investments to minimize your IT footprint in the branch office

# Centralized IP Address Management and Resilient Local Core Services – The Best of Both Worlds

Multi-site organizations are increasingly deploying mission-critical business applications and services at the edge – in branch and retail locations. Without resilient DNS and DHCP core services, these IP-dependent applications and services cannot operate reliably. To guarantee the availability of core network services at the edge without investing in costly new hardware or redundant WAN links, many organizations are implementing a lean branch architecture that leverages a centralized IP Address Management solution, combined with distributed DNS/DHCP core service delivery.

BlueCat Networks' IP Address Management (IPAM), DNS and DHCP solution for the Cisco Unified Computing System Express (UCS Express) platform helps multi-site organizations make the most of their lean branch architecture. This Cisco-compatible solution can be quickly and easily deployed on Cisco UCS Express to provide a powerful, resilient and cost-effective solution for delivering local IP core services while retaining centralized management and control.



## No Compromise Core Services

With the BlueCat Networks IPAM, DNS and DHCP solution, organizations can ensure the performance and availability of critical business applications and services across thousands of locations including HQ, branches or retail locations – without compromising centralized control or compliance. With BlueCat Networks, organizations can achieve total branch resiliency without the added cost of redundant links. In the event that the WAN links between central IT and the branch go down, the solution will continue to deliver mission-critical DNS and DHCP core services to ensure that your remote users' experience remains positive and uninterrupted.

# IPAM, DNS and DHCP for Cisco UCS Express

BlueCat Networks' Proteus IPAM solution centralizes all IP, DNS and DHCP data in a single Web-based interface, making it easier to view, manage and control distributed networks and services.

The screenshot displays the Proteus IPAM web interface. The top navigation bar includes tabs for My IPAM, IP Space, DNS, Devices, TFTP, Servers, Groups, and Administration. The main content area is divided into several panels:

- Server Statistics - UCS E Washington:** Shows DNS Service, DHCP Service, and OQ/s status. Includes gauges for CPU, In, Out, and Memory.
- Server Statistics - UCS E Los Angeles:** Similar to Washington, showing service status and resource usage.
- Server Statistics - UCS E New York:** Similar to Washington, showing service status and resource usage.
- Server Statistics - UCS E Las Vegas:** Similar to Washington, showing service status and resource usage.
- Tag Groups:** Lists Location (Shared Networks) and Tasks (No Data).
- Workflow Requests:** A table with columns for Action, Entity, and State.

Action	Entity	State
Allocate IPv4 Address	152.168.3.2	Waiting For Approval
Add Resource Recor	forst.pm.bluecatnetw	Waiting For Approval
Add Resource Recor	asweet.pm.bluecatnetw	Waiting For Approval
Allocate IPv4 Address	10.10.10.2	Approved
Allocate IPv4 Address	10.10.10.6	Approved
Allocate IPv4 Address	10.10.10.5	Approved
Allocate IPv4 Address	10.10.10.3	Approved

Callout boxes provide additional context:

- "Gain a business-centric view of IP, DNS and DHCP data across branches and retail locations" (points to the left sidebar).
- "Manage workflow, network changes and delegation with approval controls and auditing" (points to the Workflow Requests table).

## Key Capabilities

Easy to deploy and maintain, the BlueCat Networks IPAM, DNS and DHCP solution for Cisco UCS Express delivers centralized management, optimal core services delivery and efficient workflow delegation.

### Centrally manage thousands of branch locations

IT managers can centrally manage HQ, branches and retail locations transparently, while maintaining full compliance. A single Proteus IP Address Management solution can centrally manage a combination of UCS Express platforms running Adonis DNS/DHCP, hardware or VM-based Adonis or Microsoft® Windows® DNS/DHCP.

### Optimize core services at the edge with a lean branch architecture

Leverage the Proteus centralized IPAM solution, combined with local, lean DNS and DHCP service delivery, to guarantee branch resiliency without investing in redundant links. Ensure that your remote users' experience remains positive and uninterrupted, while also gaining cost efficiencies and centralized control.

### Efficiently delegate workload to local resources

Granular access rights and workflow integration allow you to delegate ownership and responsibility to local resources based on geography or application, while maintaining full control and compliance through tracking, auditing and versioning of all changes requested or deployed in the IPAM, DNS and DHCP infrastructure.

## Certified to run on Cisco UCS Express



BlueCat Networks' Adonis for Cisco UCS Express is a DNS and DHCP virtual appliance certified to run on Cisco UCS Express Service Ready Engine (SRE) router blades for Cisco Integrated Services Routers Generation 2 (ISR G2). Adonis delivers highly reliable and resilient local DNS and DHCP core services, while BlueCat Networks' Proteus IPAM solution provides centralized management and control.

## 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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