



# BLUECAT NETWORKS

## BlueCat Training Services IPAM Essentials Course Outline

BlueCat Training Services empower your staff with hands-on training that keeps pace with the design and deployment of your BlueCat solution. BlueCat experts design distinct learning paths to address the comprehensive needs of your IT organization. Our training offerings equip your staff with the skills needed to optimize your BlueCat solution and realize its full potential.

### Training Offerings

#### IPAM Essentials

IPAM Essentials gives networking professionals a functional understanding of the Proteus system as it is commonly used. Focusing on the daily administration of IPAM, DNS and DHCP, this course is appropriate for level-one technicians, and is a pre-requisite for the IPAM Administration course.

#### IPAM Administration

The IPAM Administration course examines the more advanced features and functions of the Proteus system, as well as advanced system administration and management activities. This course is appropriate for advanced users, system administrators and IPAM owners.

### Audience

The IPAM Essentials Course is an 8-hour course designed for individuals employed as DNS, DHCP, and IPAM administrators. The course assumes that attendees have a general understanding of networking concepts, TCP/IP protocols, as well as a strong grasp of DNS, DHCP and IPv4 addressing.

### Course Objectives

Upon successful completion of the IPAM Essentials Course attendees are able to:

- Utilize the Proteus object model
- Model, manage, and maintain the IPv4 space
- Manage & deploy DNS resource records, zones, views and options
- Manage & deploy DHCP ranges & options
- Manage MAC addresses & Pools
- Leverage Network Templates
- Utilize Object Tags for security, modeling and navigation

### Course Venues

Your staff can attend the IPAM Essentials Course at your facilities, at one of our training facilities, or through our Virtual Instructor Led Training program.

# BlueCat Training Services

## IPAM Essentials Course Outline

### Module 1: Introduction to Proteus

- What is Proteus?
- Proteus 5000 and 2150
- Proteus Object Tree
- Data Modeling
- Configurations
- Communication
- Servers and Deployment
- Deployment Roles

### Module 2: Proteus Interface

- My IPAM
- Favorites
- Tasks
- Quick Search
- Advanced Search
- Personalizing the Proteus Interface
- Exporting Table Data
- Data Restore
- Getting Help

### Module 3: IPv4 Modeling

- IP Blocks
- Creating an IPv4 Block
- IPv4 Networks
- Find First Available IPv4 Network
- Find First Unassigned IPv4 Address
- IPv4 Addresses
- Other IPv4 Tools
- Configuring IP Overlap Detection
- Using Network Templates

### Module 4: Configuring DNS

- DNS Views & Zones
- DNS Settings
- Creating DNS Records
- Creating Host Records from a Network
- Managing External Hosts
- DNS Deployment Roles
- DNS Deployment Options
- How Serial Numbers are Calculated
- DNS Validation
- Zone Templates
- Zone Import Tool
- DNS Bulk Import Tool

### Module 5: Configuring DHCP

- DHCP Ranges, Leases, and Reservations
- DHCP Deployment Options
- DHCP Servers
- DHCP Validation
- DHCP Deployment Roles
- Shared Networks
- Tracking MAC Addresses
- Using MAC Pools
- TFTP Services

### Module 6: Groups

- Using Object Tags
- Object Tag Structure
- Navigating Tag Structures
- Tagged Objects Report

### Get Started Today

Visit [www.bluecatnetworks.com/customer-services/training](http://www.bluecatnetworks.com/customer-services/training) or email [training@bluecatnetworks.com](mailto:training@bluecatnetworks.com) to inquire about our course schedules and to obtain more information about our training offerings.