BLUECAT™

BlueCat Integrity Fundamentals - Instructor-led

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 courses equip your staff with the skills needed to optimize your BlueCat solution and realize its full potential.

BlueCat Integrity Fundamentals is a 4-day* onsite instructor-led training course that focuses on the administration of the BlueCat Address Manager solution and the core network services provided by BlueCat DNS and DHCP servers. Practical, hands-on instruction allows your team to hit the ground running as soon as the course is completed. Attendees should have a general understanding of networking concepts and TCP/IP protocols, as well as a strong grasp of concepts related to DNS, DHCP and IPv4 addressing.

* Currently available as available as 8 half-days

COURSE VENUES

Your staff can attend **BlueCat Fundamentals** at your facilities or join one of our BlueCat-hosted onsite instructor-led classes.* Successful completion of this course includes access to the BlueCat Fundamentals Certified Professional exam.

* Currently only available as a virtual online training program

COURSE OBJECTIVES

Upon successful completion of the **BlueCat Fundamentals** Course, attendees are able to:

- Configure NTP, SNMP, and Other Services for Both Address Manager and BlueCat DNS/DHCP Servers
- Monitor BlueCat Address Manager and BlueCat DNS/DHCP Systems
- Navigate the Address Manager User Interface
- Manage the IPv4 and IPv6 Address Spaces
- Configure and Manage DHCP Services with BlueCat DHCP Servers

- Configure and Manage DNS Services with BlueCat DNS Servers
- Configure Discovery and IP Reconciliation
- Configure BlueCat DNS/DHCP Server High Availability (XHA)
- Manage Users, Groups and External Authenticators
- Backup and Restore the Address Manager Database
- Manage User-Defined Fields, Tags and Devices

MODULE 1 – BENEFITS OF BLUECAT DDI

- Understand the Advantages of BlueCat DDI

MODULE 2 – NAVIGATING/PERSONALIZING THE SYSTEM

- Navigate the Address Manager User Interface
- Use Search and Data Restore Tools
- Use Address Manager Online Help

MODULE 3 – IPV4 ADDRESS MANAGEMENT

- Model the Address Space using IPv4 Blocks and Networks
- Work with IP Addresses

MODULE 4 – IPV6 ADDRESS MANAGEMENT

- Understand IPv6 Addresses
- Work with Global and Local Address Spaces
- Create IPv6 Blocks and Networks
- Create and Assign IPv6 Addresses

MODULE 5 – MANAGING DHCP

- Create and Resize DHCP Ranges
- Create DHCP Reserved Addresses
- Deploy DHCP
- Use Network Templates to Automate Network Creation
- Configure DHCP Options and Settings
- Configure DHCP Validation

MODULE 6 – DHCP FAILOVER

- Understand the Recommended DHCP Failover Architecture
- Configure DHCP Failover

MODULE 7 – MANAGING DNS

- Manage DNS Views, Zones, and Resource Records
- Manage the Reverse DNS Space
- Deploy DNS Data to DNS Servers
- Configure DNS Settings and Options

MODULE 8 – MANAGING RECURSIVE DNS

- Configure Recursion
- Configure Global Forwarding, Stub Zones, and Forwarding Zones

MODULE 9 – DYNAMIC DNS

- Configure Dynamic DNS (DDNS)
- Add Security to DDNS using TSIG Keys

MODULE 10 – ADVANCED DNS TOPICS MANAGEMENT

- Manage a Multi-View DNS Configuration
- Configure Delegation
- Create and Manage Zone Templates

MODULE 11 – MANAGING CROSS-OVER HIGH AVAILABILITY (XHA)

- Create and Maintain XHA Clusters
- Update XHA Clusters
- Repair XHA Clusters

MODULE 12 – IP RECONCILIATION

- Schedule and Run a Discovery
- Configure an IP Reconciliation Policy
- Reconcile Discovered IP Addresses

MODULE 13 — MAINTAINING ADDRESS MANAGER

- Work with the Address Manager Administration Console (CLI)
- Configure Monitoring of the Address Manager System
- Configure Address Manager Services
- Upgrade and Patch Address Manager

MODULE 14 — USER MANAGEMENT

- Create User Accounts and User Groups
- Configure an LDAP Authenticator
- Manage Access Rights
- Use the Built-in Workflow System

MODULE 15 — CONFIGURING BACKUPS AND REPLICATION

- Configure Address Manager Database Backups
- Configure Address Manager Replication
- Configuring the Data Checker

MODULE 16 — REPORTS AND DATA VISUALIZATION

- Configure, Schedule, and Email Reports in Address Manager
- Configure Data Visualization Heat Maps and Overlays

MODULE 17 — EVENTS, TRANSACTIONS, AND LOG FILES

- Configure Notification Groups
- View the Event List and Event Details
- View and Search Transaction History
- Download Address Manager Log Files

MODULE 18 — WORKING WITH METADATA

- Create and Use User-Defined Fields
- Use Object Tags to Manage IPAM Data
- Use UN/LOCODE to Assign Locations to Objects
- Use Devices to Manage Multi-Homed Devices

MODULE 19 — MAINTAINING AND MONITORING BLUECAT DNS/DHCP SERVERS

- Work with the BlueCat DNS/DHCP Server Administration Console (CLI)
- Disable and Replace BlueCat DNS/DHCP Servers
- Configure Dedicated Management
- View Server Logs
- Configure Monitoring of BlueCat DNS/DHCP Servers
- Upgrade and Patch BlueCat DNS/DHCP Servers

BlueCat delivers software-based DNS, DHCP and IP Address Management (DDI) solutions that enable our customers to build and manage their most complex network infrastructure to meet the rapid change of pace of their business. With offices around the globe, leading enterprises trust BlueCat.

bluecatnetworks.com

Get Started Today

To inquire about our course schedules and to obtain more information about our training courses.

Email learn@bluecatnetworks.com or
Visit https://www.bluecatnetworks.com/training/