



## About Us

HKR Best Training best at giving you the online and offline classes with best quantity facilities with a low price and of course there is without any compromise on quality. .We do not train students with outdated applications training. We make them work with advanced technologies under updated real time experts is our innovation. Online and offline classroom training alone is no longer beneficial. Our curriculum for all courses has been designed as per latest MNC requirements is strategy. Our success secret lies in our experienced faculty, who always transform students into IT Champs with their continuous efforts and support is our best achievement. While What you can expect from us? A dedicated learning platform with 24\*7 support is available and Best in class training materials to will help you learn Advance Techniques and Practical knowledge of all IT Technologies available.Our courses are specifically curated for both professionals as well as job-seekers. Online classes conducted by the best knowledgeable and certified trainers helps you earn certification at your convenience.

*Bluecat is a dynamic, highly secure, open, digitization solution for cloud-based rapid application development platforms. HKR offers to learn configuring and customizations of DNS(Domain Name Service) and DHCP(Dynamic Host Configuration Protocol) with our experts to understand the complexities of address management. Bluecat online training is designed to help you understand the DHCP configuration with advanced proficiency and aspect of the Bluecat Security System. HKR offers you a complete package of Bluecat Online Training with Bluecat Certification. The DDI is a DNS , DHCP and IPAM acronyms as you can only do in the network technology in its DNS DHCP & IP Address management that is the space the Bluecat has been in from last 18 years and now it's*

going to through a big transformation and we are part of the transformation and coming to the company we are actually get the second token Canadian company were founded, It is an Enterprise DNS Software solution the main aim of this Bluecat is to unleash the latent potential of DNS that actually people where have touched or configured DNS like for an organization not necessarily represent.

The best of our field engagement team because corporate some sort of significant curious. Vice president of marketing at bluecat network and well pretty exciting we are doing the DMS Space that represent field engagement team because we wanted to bring a lot of prospective on what our customers are looking forward to this conversation because drivers our innovations in our roadmap. The DNS is an always on ubiquitous service and that occupies a critical space and the networking things is the first hop, so from the network more you can unlock pervasive automation in conjunction with other critical infrastructure.

## Why Should I Learn Bluecat?

Bluecat is the latest trending hybrid cloud network, solution provider. This is one of the most widely used enterprise network solutions which can gear your career path to heights. Networking solutions are high in demand everywhere.

Companies like Sony, Bell, Burberry, Cigna, and many more giants are the reputed clients of Bluecat. Bluecat DNS skills will enhance your capability to serve the wider range of industry demand resulting in your skill, never going out or market.

A certified Bluecat professional salary can range between 8LPA to 9 LPA depending upon the company size and reputation. An average network engineer having BlueCat skills draws an average salary of 4LPA to 6 LPA as per the Glassdoor data.

## Bluecat Course Overview

Bluecat Online Course is defined to build an excellent networking professional focused on current industry trends required for trained Bluecat skill sets. This Bluecat Certification Course is enabled to provide the best network expert and professional as per industry requirement, who can deliver adaptive DNS configurations, Open, Secure, Digitally transformed network architecture.

HKR transformers students and IT professionals to manage DNS, DHCP with IP address space through Address Manager. Online Bluecat Course guide students/IT professional to manage and optimise IP space

## Bluecat Course Content

To make you competent in the industry we had designed the industry oriented bluecat training course from the expert ideas. Each and every concept of this bluecat certification course is covered in depth in an effective manner. Lets have a close look at these sections.

# The BlueCat training curriculum

## BlueCat Integrity Fundamentals

Focuses on the administration of the BlueCat Address Manager solution and the core network services provided by the BlueCat DNS/DHCP Server™

**Topics Covered:**

- Introduction to Integrity
- Managing the IP space
- Managing DHCP
- Managing DNS
- Server administration
- IP Discovery and reconciliation
- Crossover high availability
- DNS security

**Who is this for?** Networking professionals and DDI administrators with a good understanding of TCP/IP, DNS and DHCP

**Format and length:** Available as a four-day instructor-led program and 10 hours of self-guided eLearning modules

**Certification Exam:** BlueCat Fundamentals Certified Professional

# BlueCat Security and Advanced Configuration

Focuses on DNS security, advanced IP address management, and how to implement security configurations on virtual machines through a series of lab exercises

## Topics Covered:

- Securing BlueCat systems
- Using IPv4 modelling tools
- Securing DNS
- Querylogging and logging channels
- DNS attacks and mitigation strategies
- Optimal DNS architectures

- How to configure DNSSEC
- How to configure DNS Threat Protection

**Who is this for?** DDI administrators with a general understanding of networking concepts, TCP/IP protocols, and a strong grasp of DNS, DHCP and IPv4 addressing

**Prerequisite:** Integrity Fundamentals

**Format and length:** Available as a one-day instructor-led program

**Certification Exam:** BlueCat Advanced Certified Professional

## BlueCat Support Provider Fundamentals

Focuses on advanced troubleshooting and management of BlueCat Address Manager and BlueCat DNS/DHCP Server

### Topics Covered:

- Linux toolbox Level 1
- Supporting DNS/DHCP server
- Supporting Address Manager
- Providing support with DataRake diagnostics
- Linux toolbox Level 2
- Working with Customer Success

**Who is this for?** Advanced DDI administrators with extensive experience working with BlueCat Integrity

**Prerequisite:** Integrity Fundamentals, Security and Advanced Configuration

**Format and length:** 4 hours of self-guided eLearning modules

**Certification Exam:** BlueCat Advanced Certified Support Professional

## BlueCat Edge Fundamentals

Focuses on administration of DNS Edge, policy management, and forensic investigation

**Topics Covered:**

- Edge concepts
- Navigation and user management
- Filtering Edge data
- Edge namespace and sites
- Working with policies

**Who is this for?** Security teams and DDI administrators with a general familiarity with TCP/IP, DNS, and Linux

**Prerequisite:** Integrity Fundamentals

**Format and length:** Available as a two-day instructor-led program and 4 hours of self-guided eLearning modules

## BlueCat Gateway Fundamentals

Focuses on configuration of BlueCat DNS automation tools, managing BlueCat certified automation workflows, and customizing automation settings

**Topics Covered:**

- Gateway concepts
- Gateway basics
- Customizing Gateway
- Gateway workflows
- Extending Gateway
- Troubleshooting Gateway

**Who is this for?** DDI administrators and network automation teams with a general familiarity with TCP/IP, DNS, and Linux

**Prerequisite:** Integrity Fundamentals (experience with Address Manager and

Python recommended)

**Format and length:** Available as a two-day instructor-led program and 4 hours of self-guided eLearning modules

# DHCP 101

An engaging overview of DHCP fundamentals based on RFC definitions. Learn the foundations of the DHCP protocol from what it is and why it is important to how it works.

## Topics Covered:

- What is DHCP?
- DHCP in the enterprise space
- History of DHCP
- How DHCP works (components, DORA process, leasing)
- DHCP message format
- DHCP options
- Scopes, reservations and exclusions, relay agents
- DHCP server configuration file, leases file

**Who is this for?** Networking professionals, DDI administrators, or anyone interested in learning the basics of DHCP

**Format and length:** 1 hour of self-guided eLearning modules

## Bluecat Training Highlights

*30 Hrs Instructor-Led Training*

*Learn On Your Own Timeline*

*Master Your Craft*

*Real-World & Project Based Learning*

*Lifetime LMS & Faculty Access*

*24/7 Online Expert Support*

*Access To An Online Community Forum*

*Customised Course Creation*

## *Bluecat Training Advantages*

*This Technology Offers Excellent Career Opportunities Worldwide.*

*Salaries Offered For Certified Professionals Is Very High And More Number Of People Started Learning This Course.*

*It Has A Great Learning Scope*

*Streamlined Work Process Helps You Execute All Complex Tasks Easily.*

*Fast Track Your Career Growth With Bluecat Training Certification Course.*

## *Bluecat Online Training Objectives*

### [About Bluecat](#)

*Bluecat is an advanced DNS and DHCP provider with multi-domain existence into the networking of the organisation. In today's hybrid cloud era, Bluecat is the best solution provider to simplify the complexity of cloud based network infrastructures.*



### **What is the learning focus on Bluecat Online Training?**

HKR offers well structured and full clustered study sessions available to you at an ease of your location. You will get advanced hybrid networking solutions based on DNS, DHCP, and IP space management handled by the address manager. Our experts will guide you to the right path to lead your networking career with the best possibility of skill sets.

### **What are the Job Roles You can apply in industry through Online Bluecat Training Course?**

- Network Engineer
- Senior Network Analyst
- Network Administrator
- Networking Consultant
- Network Computing Analyst
- Networking Business Analyst
- Domain Network Expert

### **What are the key requirements to get Bluecat Online Certification?**

Either you are a student/ professional, you need to have advanced DNS, DHCP, IP configuration and Space optimization skill set to get beginners certification. Similarly you are required to have an advanced skills set to become a professionally certified Bluecat engineer.

### **What is the study background needed to understand the course structure?**

You need to have a basic understanding of networking and DNS terminologies. Strong analytical skills are needed to understand the complexity of cloud based network architectures. Basics of IP addressing and distribution will make the journey easier for you. Having an engineering background such as Btech or other computer stream is the mandatory educational qualification to get the complex understanding of Bluecat technology. If you're a working professional in the network domain it's easy for you to grab the certification.

### **Why is Bluecat so much in demand?**

Bluecat provides high level networking DNS, DHCP, and IP spacing resolutions to the hybrid network architecture. Organizations hold and process huge data sets over the cloud through their application, resulting in complexity for the network infrastructure to support hosting and other networking needs.

Bluecat is multi-domain network service providers, that reduce the network complexity caused over domain and transitional IP. Bluecat simplifies and serves every day need of the business by its highly scalable and reliable services.

#### **What is the prime purpose of the Online Bluecat Course?**

The prime purpose of the course is to produce highly skilled certified bluecat professionals through the business practices. HKR offers expert training sessions truly customized by a team of expert knowledge providers to help you stand in the industry

## **FAQ' s**

#### **What if I miss a Class?**

Each and every class is recorded so if you missed any class you can review the recordings and clarify any doubts with the trainer in next class.

#### **Will I get placement assistent?**

Yes, we don't assure 100% placement assistance. We are tied up with some corporate companies so when they have a requirement we send your profiles to them.

#### **Can I attend a demo session before enrollment?**

Yes, we provide demo before starting any training in which you can clear all your doubts before starting training.

#### **Who are the Trainers at HKR Trainings?**

Our trainers are real time experts who are presently working on particular platform on which they are providing training.

### **What if I have more queries?**

You can call our customer care 24/7

### **What if I am not satisfied with training provided?**

Max of the students get satisfied with our training, if you are not then we provide a specialised training in return.

## **What is IPAM?**

The IPAM nothing but IP Address Management, the overview of environment of windows server 2016, this coming to functionality of IBM and important about IP address management and how you get benefits of IP address management at short functionalities and the components. Mainly we have to focus on deployment of IPAM and the other requirements, to manage IP address space by using IPod so the complexity of modern networks can make the management of technologies such as DHCP it means dynamic host configuration protocol.

## **Why it is IPAM Essentials:**

The IPAM is to manage DNS System and the enterprise a difficult task so managing these components and the way basically work with your windows internal database (WID) the requirements of the IPAM Deployment are to ensure a successful Implementation. The domain name controller to install.

## **What is DHCP? And how it works ?**

It is known as **Dynamic Configuration Protocol** and it is used to assign TCP/IP suppose you boots up your laptop and connect it to the internet if you try to visit the websites and you would not able to connect it because your machine has not connected to an IP Address like you cannot receive a mail at a house without a delivery address similarly on your Machine cannot download a webpage without an IP Address that i.e. you cannot access internet until your machine has a IP Address.

Make sure when you are accessing internet accessible IP Address is also needs to be assigned to your device by the network administrator or it can be done automatically and manually. The Network administrator configures one special host which runs services to Least IP addresses to all

of the connected 250 devices and this special host is called a DHCP server so in general we are using a router in our home it supports and embedded DHCP server.

### DORA Process:

A laptop with automatic IP Settings enabled is connected to the internet the left operands DHCP Protocol as a result DHCP server assigns an IP Address to your laptop hence you are connected internet and you can access any web address without any issues. there four obtaining the an IP Address from the DHCP Server by the client.

The DHCP Server involves the transmission of 4 DHCP Messages including like

- Discover
- Offer
- Request
- Acknowledgement

### **The infrastructure of SRV Service Location Records in DDI:**

*A domain Controller in Service location (SRV) locator resource recorder for These four categories software defined everything cloud automation and security the growth rate in these areas is rampant holds back these initiatives it actually operates as break, this traditional space this legacy DDI Space market and the technology has not caught up and managing it is difficult and its controlled by small handful of what we consider*

- SD-WAN
- CLOUD
- AUTOMATION
- SECURITY

**BLUECAT TRAINING**





## Introduction to Bluecat Training:

The DDI is a DNS , DHCP and IPAM acronyms as you can only do in the network technology in its DNS DHCP & IP Address management that is the space the Bluecat has been in from last 18 years and now it's going to through a big transformation and we are part of the transformation and coming to the company we are actually get the second token Canadian company were founded, It is an Enterprise DNS Software solution the main aim of this Bluecat is to unleash the latent potential of DNS that actually people where have touched or configured DNS like for an organization not necessarily represent.

The best of our field engagement team because corporate some sort of significant curious. Vice president of marketing at bluecat network and well pretty exciting we are doing the DNS Space that represent field engagement team because we wanted to bring a lot of prospective on what our customers are looking forward to this conversation because drivers our innovations in our roadmap. The DNS is an always on ubiquitous service and that occupies a critical space and the networking things is the first hop, so from the network more you can unlock pervasive automation in conjunction with other critical infrastructure.

### Prerequisites:

- Networking Concepts
- Strong Knowledge on DDI, DNS, DHCP, IPAM and IPv4 Addressing

### Bluecat Training support provider level 1 DHCP

- Visibility And Control
- Pervasive Automation
- Cloud Agility
- Enhanced Security

## **Overview of Bluecat Training:**

### **What is IPAM?**

The IPAM nothing but IP Address Management, the overview of environment of windows server 2016, this coming to functionality of IBM and important about IP address management and how you get benefits of IP address management at short functionalities and the components. Mainly we have to focus on deployment of IPAM and the other requirements, to manage IP address space by using IPod so the complexity of modern networks can make the management of technologies such as DHCP it means dynamic host configuration protocol.

### **Why it is IPAM Essentials:**

The IPAM is to manage DNS System and the enterprise a difficult task so managing these components and the way basically work with your windows internal database (WID) the requirements of the IPAM Deployment are to ensure a successful Implementation. The domain name controller to install.

### **What is DHCP? And how it works ?**

It is known as **Dynamic Configuration Protocol** and it is used to assign TCP/IP suppose you boots up your laptop and connect it to the internet if you try to visit the websites and you would not able to connect it because your machine has not connected to an IP Address like you cannot receive a mail at a house without a delivery address similarly on your Machine cannot download a webpage without an IP Address that i.e. you cannot access internet until your machine has a IP Address.

Make sure when you are accessing internet accessible IP Address is also needs to be assigned to your device by the network administrator or it can be done automatically and manually. The Network administrator configures one special host which runs services to Least IP addresses to all of the connected 250 devices and this special host is called a DHCP server so in general we are using a router in our home it supports and embedded DHCP server.

### **DORA Process:**

A laptop with automatic IP Settings enabled is connected to the internet the left operands DHCP Protocol as a result DHCP server assigns an IP Address to your laptop hence you are connected internet and you can access any web address without any issues. there four obtaining the an IP Address from the DHCP Server by the client.

The DHCP Server involves the transmission of 4 DHCP Messages including like

- Discover
- Offer
- Request
- Acknowledgement

### **The infrastructure of SRV Service Location Records in DDI:**

A domain Controller in Service location (SRV) locator resource recorder for These four categories software defined everything cloud automation and security the growth rate in these areas is rampant holds back these initiatives it actually operates as break, this traditional space this legacy DDI Space market and the technology has not caught up and managing it is difficult and its controlled by small handful of what we consider

- SD-WAN
- CLOUD
- AUTOMATION
- SECURITY

E-learning is perfect for your busy schedule people like who are currently working so they can manage flexibility around cloud multi cloud, hybrid cloud deployment as computer the data set to out the cloud and back and finally enhance the security which everyone mind what can we do to enhance the DNS security

Bluecat gateway Fundamentals: it is deals with address manager solution and Also Core Network services provided by DNS and DHCP servers, the share amount of value & volume that's represent by DNS queries of customer to manage to understand to analyze to interpret.

### **Nslookup:**



This is a command-line tool that displays information and DNS Troubleshooting tool nslookup this is a great tool for querying and testing from the non authoritative source most likely from a DNS cache DNS resolution and related issues in the DNS from command prompt enter in nslookup followed by Google will be transferred Authoritative DNS server on the internet and this DNS records for Google.com DNS records essentially comes from an authoritative DNS server even though they had to pass through another DNS Server in order to get workstation was run the couple of times so DNS records are transferred the copy of the workstation it doesn't need the copy of the workstation and contact the authoritative servers as it had the DNS records in the cache on the second run it had the extra line in the output indicating the DNS.

### **The Administration console (CLI) in Bluecat training:**

Actually those who have experience to work with the console so they are very familiar using this CLI and in this *Command Line Interface* where the commands will be issued and then command will be respective output will be obtained so this is a minimum interface software can provide to user. Depending upon the Operating System (OS) we know there are different types of commands are there and each and every command as differ in syntax depending upon the platform, the command is text based set of Instruction like user will operate in a script methods like macros , scripts it will make easy to understand for a user operations. The Administrator so these are command prompt Ls commands are going to executing the commands where Outputs are coming having with multiple different columns it's a single console.

### **Conclusion to Bluecat Training:**

Bluecat Training plays a very important role in the network technology. Many companies are looking for the candidates who are having a good and practical knowledge on Bluecat and they are ready to pay huge salaries. The responsibility of the Bluecat Training employee is to prepare the DNS System and the enterprise a difficult task data massing and the data coming from the different sources.

You can get the knowledge on Bluecat Training from Global Online Trainings with experienced trainers at a reasonable price. So to maintain all these responsibilities the candidate should have a practical knowledge. We provide online training as well as corporate training according to the client requirement. After the completion of Bluecat Training we also provide BI Publisher Job Support. Our team is available for 24/7 and always feels free to contact.

### **Prerequisites:**

- Networking Concepts
- Strong Knowledge on DDI, DNS, DHCP, IPAM and IPv4 Addressing

### **Bluecat Training support provider level 1 DHCP**

- Visibility And Control
- Pervasive Automation
- Cloud Agility
- Enhanced Security

Bluecat Training

About my self working as software trainer in HKR Trainings at Hyderabad, TS, India

For all courses click the below link

<https://hkrtrainings.com/allcourses>

And presently I am teach below link

Bluecat **HKR Training Link**

<https://hkrtrainings.com/bluecat-training>

Let get in touch USA & India

## **Training in cities in India: Hyderabad | Bangalore | Mumbai | Chennai**

### **Contact Info:**

Located at Near bus stop, Gouri Shankar Nagar Colony, Mehdipatnam  
Hyderabad, Telangana, 500034, INDIA

India : [+91 7036587777](tel:+917036587777)

[info@hkrtrainings.com](mailto:info@hkrtrainings.com)

Located at 40640 High Street Fremont Illinois Chicago. USA

USA : [+1 \(872\) 231 0447](tel:+18722310447)

Website : <https://hkrtrainings.com>