INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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BlueCat Fundamental

Introduction to BlueCat Networks

- Overview of BlueCat Networks: History, mission, and core products
- BlueCat Product Portfolio: DNS/DHCP/IPAM (DDI) solutions and their role in enterprise networks
- Industry Applications: Use cases in large-scale network environments

DNS Fundamentals

- Introduction to DNS: Basics of domain names, DNS resolution process
- DNS Record Types: A, AAAA, CNAME, MX, PTR, etc.
- DNS Zones: Forward and reverse zones, zone delegation, and zone transfer

DHCP Fundamentals

- DHCP Overview: DHCP lease process, client-server communication
- DHCP Options: Configuration parameters and options
- DHCP Relay Agents: Role in multi-subnet environments

IP Address Management (IPAM)

- IPAM Overview: Managing IP address spaces, subnetting, and address allocation

- IP Address Assignment Methods: Static vs. dynamic IP assignment
- IP Address Tracking and Audit: Maintaining IP address inventory and compliance

BlueCat Address Manager (BAM)

- BAM Features and Capabilities: Centralized IPAM management
- Configuring IP Blocks and Subnets: Creating and managing IP address ranges
- Integration with DNS and DHCP: Automating DNS record updates and DHCP configurations

BlueCat DNS/DHCP Server (Adonis)

- Adonis Server Architecture: Role in DNS resolution and DHCP service
- Configuring DNS Zones and Records: Creating and managing DNS zones and records
- DHCP Server Configuration: Setting up DHCP scopes, options, and relay agents

BlueCat Gateway

- Gateway Overview: DNS forwarding and DNS security features
- Configuring DNS Policies: Implementing DNS filtering, DNSSEC, and DNS views
- Integrating with External DNS Providers: Hybrid DNS environments and cloud DNS integration

BlueCat DNS Integrity

- DNS Integrity Overview: Monitoring DNS traffic, detecting anomalies
- DNS Security Best Practices: DNS firewall rules, threat intelligence integration
- DNS Troubleshooting: Resolving DNS-related issues and performance tuning

Advanced Topics in BlueCat DDI Solutions

- High Availability and Disaster Recovery: Implementing failover and redundancy
- API and Automation: Using BlueCat APIs for provisioning and configuration management
- Customizing Reports and Analytics: Generating IPAM and DNS performance reports

Hands-on Labs and Practical Exercises

- Setting up BlueCat DDI solutions in a lab environment
- Configuring DNS zones, DHCP scopes, and IP address assignments
- Troubleshooting scenarios: Resolving common issues and optimizing performance

BlueCat Certification Preparation

- Overview of BlueCat Certification Tracks: Administrator, Professional levels
- Certification Exam Tips and Resources: Study guides, practice exams, and preparation strategies
- Career Development in BlueCat Technology: Advancing skills and exploring career opportunities