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## Application & Content Networking System Operation and Configuration

**Duration: 5 Days**    **Course Code: ACNS**

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### Overview:

This is a 5-day technical course and provides an intensive lecture and hands-on training experience with Cisco's Application and Content Networking System 5.1 products.

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### Target Audience:

It is intended for technical audiences involved in the installation, configuration and maintenance of Cisco's ACNS products and for those delegates working towards the Cisco Content Networking Specialisation

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### Objectives:

- Define ACNS 5.1 Terms & Definitions
  - Configure Transparent Caching & WCCP
  - Configure Explicit & Reverse Proxy Caching
  - Manage ACNS 5.1 Using the Configuration Management Subsystem (CMS)
  - Configure ACNS 5.1 Acquisition and Distribution
  - Configure ACNS 5.1 Request Routing & DNS
  - Configure an ACNS 5.1 Coverage Zone File
  - Configure a Manifest File
  - Manage Usage Logs and Licenses
  - Configure Streaming
  - Define and Configure IPTV 5.1 with ACNS 5.1
  - Configure Multicast Distribution
  - Configure DNS, FTP & HTTPS Services
  - Configure ACL, Websense 5.0, ICAP
  - Configure TFTP Gateway
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### Prerequisites:

Delegates are required to meet the following prerequisites:

TCP/IP, HTTP and IP Routing

### Testing and Certification

Recommended as preparation for exam(s):

642-342 Content Networking Specialist

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### Follow-on-Courses:

CSSOC – Content Services Switch 11000 Series Operation and Configuration

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## Content:

- Introduction and Terms
- Distribution Strategies
- Playback Edge Intercept ; Hybrid Routing
- CMS Centralized Management System
- Caching Concepts Introduction
- Benefits of Caching
- Enterprise ; Service Provider Challenges
- Dynamic Content
- Product Hardware Overview
- Performance Options
- Simultaneous Streams
- Storage Solutions
- Transparent Caching WCCP ; GUI
- Transparent Caching
- WCCP Overview
- Dynamic Load Distribution
- Explicit ; Reverse Proxy Caching
- Proxy Caching
- Content Engine Configuration
- GUI Cache ; Configuration
- Configuration Management Subsystem
- Configuration Management System (CMS)
- Customizable Role Base Security
- Domain Management
  - Acquisition and Distribution
- Concepts
  - Levels, Locations and Location Leaders
  - Protocol Usage in ContextBest Practices
  - CE HTTP Performance ; Sizing
  - Performance Testing Methods
  - Accelerated Applications
  - Request Routing ; DNS
  - Edge Intercept ; Request Routing
  - CE Table Manager
  - Configuring DNS for Content Routing
  - Coverage Zone File Overview
  - Coverage Zone File defined
  - Global Assignment Coverage Zone File
  - Coverage Zone and NAT Firewall
  - Manifest File Overview
  - Manifest File Basics
  - Manifest Syntax
  - Manifest Option List
  - Monitoring Usage Logs and Licences
- Centralized CDN and Cache Management
  - CDM Scalability ; Guidelines
  - Licensing Streaming
- Streaming Media ; Standards
  - RTP Session and RTCP
  - WMT Support
  - IPTV ; ACNS
  - IPTV Hardware
  - ACNS Integration
  - Program Manager
  - Multicast Distribution
  - Primary ; Backup Sender Config
  - Intelligent Carousel
  - Multicast Distribution CLI Commands
  - DNS, FTP and HTTPS Services
  - ACNS DNS Cache
  - Native FTP Proxy Cache
  - HTTPS Caching ACL WebSense 5.0. ICAP
  - IP ACL User Interface
  - Configuring ACL's through CDM GUI
  - ICAP Configuration TFTP Gateway
  - TFTP Gateways
  - TFTP Workflow
  - CLI Config Mode Commands

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## Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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