

# Cisco IPv6 Eğitimi İçeriği

**Öngereksinimler:** İleri düzey network bilgisi ve Cisco IOS kullanım tecrübesi.

<http://www.cliguru.com/CCNA>

## Kurs Tanımı:

Cisco tarafından hazırlanan ileri düzey IPv6 eğitimi, IPv6 temellerinin yanında Network üzerindeki geçişler ve IPv6 Servislerinin kavranmasına yönelik bir eğitimidir.

## Cisco IPv6

### Kurs İçeriği:

- **Introduction to IPv6**
  - Explaining the Rationale for IPv6
  - Evaluating IPv6 Features and Benefits
  - Understanding Market Drivers
- **IPv6 Operations**
  - Understanding the IPv6 Addressing Architecture
  - Describing the IPv6 Header Format
  - Enabling IPv6 on Hosts
  - Enabling IPv6 on Cisco Routers
  - Using ICMPv6 and Neighbor Discovery
  - Troubleshooting IPv6
- **IPv6 Services**
  - IPv6 Mobility
  - Describing DNS in an IPv6 Environment
  - Understanding DHCPv6 Operations
  - Understanding QoS Support in an IPv6 Environment
  - Using Cisco IOS Software Features
- **IPv6-Enabled Routing Protocols**
  - Routing with RIPng
  - Examining OSPFv3
  - Examining Integrated IS-IS
  - Examining EIGRP for IPv6
  - Understanding MP-BGP
  - Configuring IPv6 Policy-Based Routing
  - Configuring FHRP for IPv6
  - Configuring Route Redistribution
- **IPv6 Multicast Services**
  - Implementing Multicast in an IPv6 Network
  - Using IPv6 MLD
- **IPv6 Transition Mechanisms**
  - Implementing Dual-Stack
  - Describing IPv6 Tunneling Mechanisms

- **IPv6 Security**
  - Configuring IPv6 ACLs
  - Using IPsec, IKE, and VPNs
  - Discussing Security Issues in an IPv6 Transition Environment
  - Understanding IPv6 Security Practices
  - Configuring Cisco IOS Firewall for IPv6
- **Deploying IPv6**
  - Examining IPv6 Address Allocation
  - Understanding the IPv6 Multihoming Issue
  - Identifying IPv6 Enterprise Deployment Strategies
- **IPv6 and Service Providers**
  - Identifying IPv6 Service Provider Deployment
  - Understanding Support for IPv6 in MPLS
  - Understanding 6VPE
  - Understanding IPv6 Broadband Access Services
- **IPv6 Case Studies**
  - Planning and Implementing IPv6 in Enterprise Networks
  - Planning and Implementing IPv6 in Service Provider Networks
  - Planning and Implementing IPv6 in Branch Networks