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## IPv6-Related Topics about DNS

3.4 Implementation of IPv6 DNS Resolver  
3.5 IPv6 DNS Operation with BIND; Chapter 4 DHCPv6; 4.1 Introduction; 4.2 Overview of the DHCPv6 Protocol; 4.3 Code Introduction; 4.4 Client Implementation; 4.5 Server Implementation; 4.6 Relay Agent Implementation; 4.7 Implementation of DHCPv6 Authentication; 4.8 DHCPv6 Operation; Chapter 5 Mobile IPv6; 5.1 Introduction; 5.2 Mobile IPv6 Overview; 5.3 Header Extension; 5.4 Procedure of Mobile IPv6; 5.5 Route Optimization; 5.6 Movement Detection; 5.7 Dynamic Home Agent Address Discovery; 5.8 Mobile Prefix Solicitation/Advertisement  
5.9 Relationship with IPsec  
5.10 Code Introduction; 5.11 Mobile IPv6 Related Structures; 5.12 Macro and Type Definitions; 5.13 Global Variables; 5.14 Utility Functions; 5.15 Common Mobility Header Processing; 5.16 Home Agent and Correspondent Node; 5.17 Mobile Node; 5.18 Mobile IPv6 Operation; 5.19 Appendix; Chapter 6 IPv6 and IP Security; 6.1 Introduction; 6.2 Authentication Header; 6.3 Encapsulating Security Payload; 6.4 Transport Mode and Tunnel Mode; 6.5 Security Association Database; 6.6 IPsec Traffic Processing; 6.7 SPD and SAD Management; 6.8 Manual Configuration  
6.9 Internet Security Association and Key Management Protocol (ISAKMP) Overview  
6.10 Racoon Operation; 6.11 Scenarios; References; Index

### Sommario/riassunto

This book is the second installment of a two-volume series on IPv6 and the KAME implementation. This book discusses those protocols that are found in more capable IPv6 devices, are commonly deployed in more complex IPv6 network environments, or are not specific to IPv6 but are extended to support IPv6. Specifically, this book engages the readers in advanced topics such as routing, multicasting, DNS, DHCPv6, mobility, and security. This two-volume series covers a wide spectrum of the IPv6 technology, help the readers establish solid and empirical understanding on IPv6 and the KAME refere